



NV

Armando Martinez
Operations Lead, Portfolio Operations Central

October 20, 2021

Bradford Billings
New Mexico Oil Conservation Division
5200 Oakland Avenue, N.E. Suite 100
Albuquerque, New Mexico 87113

**Re: Buckeye Compressor Station Site
2020 Annual Groundwater Monitoring Report
Abatement Plan AP-104
Lea County, New Mexico**

Dear Mr. Billings,

Please find enclosed the following report:

Buckeye Compressor Station Site – 2020 Annual Groundwater Monitoring Report, Section 36 – Township 17 South – Range 34 East, Lea County New Mexico.

The Report was prepared by Arcadis U.S., Inc. (Arcadis), on behalf of Chevron Environmental Management Company (CEMC) to document on-going groundwater monitoring and remediation activities throughout 2020 at the Site.

Should you have any questions or require additional information please contact Scott Foord with Arcadis at (713) 953-4853 or myself at (505) 690 5408 or you can reach me via email at amarti@chevron.com. Please note that I am the new Project Manager for this site.

Respectfully,

A handwritten signature in blue ink, appearing to read "Armando Martinez".

Armando Martinez
Operations Lead

Encl. Buckeye Compressor Station Site – 2020 Annual Groundwater Monitoring Report

Armando Martinez
Operations Lead Central
Portfolio Operations - Central
354 State Highway 38, Questa, NM 87556-0469
Tel 575 586 7639 Mobile 505 690 5408 Fax 575 586 0811
amarti@chevron.com



Chevron Environmental Management Company

2020 Annual Groundwater Monitoring Report

**Buckeye Compressor Station
Abatement Plan AP-104
Lea County, New Mexico**

September 2021

2020 Annual Groundwater Monitoring Report

2020 Annual Groundwater Monitoring Report

Buckeye Compressor Station

Abatement Plan AP-104

Lea County, New Mexico

September 2021

Prepared By:

Arcadis U.S., Inc.

10205 Westheimer Road, Suite 800

Houston

Texas 77042

Phone: 713 953 4800

Fax: 713 977 4620

Prepared For:

Armando Martinez

Operations Lead Central

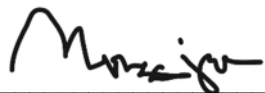
Chevron Environmental Management Company

P.O. Box 469

Questa, New Mexico 87556

Our Ref:

30088252



Morgan Jordan

Scientist II



Scott Foord, PG

Project Manager

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2020 Buckeye Compressor Station Annual GWMR_mj_Final

2020 Annual Groundwater Monitoring Report

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2020 Annual Groundwater Monitoring Report

1 Introduction

Arcadis U.S., Inc. (Arcadis) has prepared this report, on behalf of Chevron Environmental Management Company (CEMC), summarizing groundwater monitoring activities conducted at the Buckeye Compressor Station (Site) during 2020. Data presented in this report was collected during one groundwater monitoring event conducted in April 2020. The second 2020 semi-annual groundwater sampling was not conducted. The Site is under Abatement Plan (AP) 104 of the New Mexico Oil Conservation Division (NMOCD).

The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye, Lea County, New Mexico. The Site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates: 32.784532, -103.508311.

A Site Location Map is presented as **Figure 1**. A Site Detail Map is presented as **Figure 2**. Additional Site background information is included in **Appendix A**.

A Proposed Groundwater Monitoring and LNAPL Operation and Maintenance (O&M) Reduction Workplan was submitted to NMOCD in July 2020 which proposed:

- One semi-annual monitoring event (full site) that included sampling and gauging all site wells (twenty- six monitoring wells) and two monitor wells, associated with the adjacent Vacuum Grayburg San Andres Unit No. 58 (VGSAU #58) to the south.
- A second semi-annual sampling event that includes sampling thirteen monitoring wells (MW-1, MW-2, MW-4, MW-6, MW-12 through MW-14, MW-17, MW-18, MW-21, MW-22, TW-11 and TW-13).
- Site monitoring wells with chemicals of concern (COC) concentrations reported below New Mexico Water Quality Control Commission (NMWQCC) exceedance standards for two consecutive years or longer will not be gauged or sampled during the second semi-annual monitoring event. Total Petroleum Hydrocarbon (TPH) analysis was also deferred for all wells sampled during the reduced semi-annual sampling event. Additionally, the frequency of LNAPL gauging and hand-bailing activities was reduced from bi-weekly to quarterly gauging only (no hand-bailing) for one year (through August 2021) to allow the current LNAPL conditions at the Site to equilibrate so that a more practical/efficient LNAPL recovery method could be evaluated. Quarterly gauging only (no hand-bailing) was initiated in July 2020.

The Workplan submitted to NMOCD in July 2020 is presented in **Appendix B**. Activities at the Site have been conducted in accordance with the Workplan since its submittal.

2 Groundwater Monitoring Results

Groundwater at the Site is typically monitored semi-annually from a network of twenty-six monitoring wells. A Site Details Map is presented as **Figure 2**. Field monitoring methodologies are detailed in **Appendix C**.

Wells TW-11 and TW-13, associated with the adjacent Vacuum Grayburg San Andres Unit No. 58 (VGSAU #58) site (Buckeye Vacuum Field Unit) located south of Texas Camp Road (**Figure 2**), are included in the groundwater monitoring program to monitor dissolved phase impacts to the southeast of the Site.

2.1 Groundwater Gauging Data

Groundwater and light non-aqueous phase liquid (LNAPL) measurements collected during the April 2020 event indicate:

2020 Annual Groundwater Monitoring Report

- Groundwater elevations ranged from 3853.01 feet above mean sea level (ft. MSL) (MW-22) to 3859.43 ft. MSL (MW-25) during the event.
- The calculated gradient was 0.003 ft/ft for the April 2020 gauging event.
- The groundwater elevations during the 2020 period are consistent with historical levels, with groundwater flow generally to the east.

Potentiometric elevation data for the sampling event is presented in **Table 1**. The groundwater potentiometric surface map for the April 2020 gauging event is presented on **Figure 3**. A cumulative summary of groundwater potentiometric elevation data is presented in **Appendix D**.

2.2 LNAPL Occurrence and Recovery

LNAPL was present in five monitoring wells (MW-3, MW-8, MW-9, MW-19, and EW-1) during the April 2020 monitoring event. LNAPL thickness was gauged on a biweekly basis in association with LNAPL bailing activities through May 2020. Quarterly gauging only (no hand-bailing) was initiated in July 2020. LNAPL thicknesses gauged in 2020 are included in **Table 1** and are also included with historical data in **Appendix D**. The distribution and extent of LNAPL during the April 2020 monitoring event is presented on **Figure 4**.

The ranges of LNAPL thicknesses gauged during the April 2020 event are summarized below:

- 0.14 feet in MW-3,
- 2.31 feet in MW-8,
- 3.20 feet in MW-9,
- 3.73 feet in MW-19, and
- 3.34 feet in EW-1

2.2.1 LNAPL Bailing

Approximately 79 gallons of LNAPL were collectively recovered from bailing events conducted during 2020. LNAPL and groundwater bailed during each recovery event are stored in a 520-gallon double walled stainless steel tank onsite. Secondary containment features consist of a 1,000-gallon fiberglass tank and an earthen berm. Volumes of LNAPL and groundwater recovered during 2020 are included in **Table 1**. Historical gauging data and volumes of recovered fluids are provided in **Appendix D**. Since 2011, approximately 1,256 gallons of LNAPL have been cumulatively bailed from the wells. An additional 330 gallons of LNAPL were recovered during two MDPE events performed in 2015. Charts showing historical trends of LNAPL thickness in wells of the main plume are provided in **Appendix F**.

2.3 Groundwater Analytical Results

Groundwater was sampled in all existing wells at the Site during 2020 except those containing LNAPL and MW-21 due to access restrictions. Wells TW-11 and TW-13 of the adjacent former VGSAU #58 site were also sampled. As previously reported, MW-11 was destroyed during pipeline replacement activities in late 2012.

Groundwater analytical results for benzene, toluene, ethylbenzene, and xylenes (BTEX), and TPH as gasoline range organic (GRO) and as diesel range organics (DRO) were compared to the NMWQCC Groundwater Standards. A summary of the groundwater sample analytical results is presented in **Table 2**.

2020 Annual Groundwater Monitoring Report

The distribution of constituents, LNAPL occurrence, and approximate extent of the hydrocarbon plume for the event is displayed on **Figure 4**. The extent of the dissolved phase hydrocarbon plume is fully delineated. A summary of historical groundwater analytical results is provided in **Appendix E**. Charts showing trends of historical concentrations of benzene through time are provided in **Appendix G**.

Copies of the certified analytical reports and chain-of-custody documentation from Eurofins TestAmerica are provided in **Appendix H**.

Results of the monitoring event in reference to NMWQCC standards are summarized below. NMWQCC standards do not include TPH. The analytical results are further summarized below.

2.3.1 April 2020 Event

- Benzene exceeded the 0.01 milligram per liter (mg/L) standard in 3 of the 23 wells sampled (MW-1, MW-4, and MW-17);
- Benzene exceedances ranged from 0.45 mg/L (MW-1) to 7.3 mg/L (MW-17); and
- TPH was detected in 4 of the 23 wells sampled at concentrations ranging from 0.304 mg/L (MW-14) to 19 mg/L (MW-17).

3 Summary

Findings of groundwater monitoring events conducted at the Site in 2020 are summarized below:

- All accessible site wells were gauged and sampled during the 2020 groundwater monitoring event, including the 2 wells associated with the former VGSAU #58 site to the South. MW-21 was not sampled due to access restrictions;
- Potentiometric surface conditions were consistent with historical results, with groundwater flow to the east;
- LNAPL was present in five wells during the 2020 event;
- The LNAPL plumes are delineated and appear to be stable with no evidence of migration;
- Approximately 79 gallons of LNAPL were recovered during 2020; and
- Benzene exceeded the 0.01 mg/L standard in three wells (MW-1, MW-4, and MW-17) during the 2020 event.

4 2021 Activities

The following future actions are proposed for the Site:

- LNAPL abatement activities (gauging and hand bailing) were reinitiated in September 2021. Arcadis will assess findings from the LNAPL gauging data to evaluate LNAPL recovery system alternatives.
- The first semi-annual groundwater sampling event was performed during the second quarter of 2021 and the second semi-annual groundwater sampling event is scheduled for the fourth quarter of 2021 in accordance with the previously submitted Reduction Workplan.

Tables

TABLE 1
2020 POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well	TOC elev ¹	Well Diameter (inches)	Screen Interval (bgs ³)	Casing Elevation	Date	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL	LNAPL Thickness	Product Removed	Corrected Groundwater Elevation (ft above MSL ²)
			ft toc	ft msl		ft toc	ft toc	ft toc	ft	gallons	ft msl
MW-1	3990.85	7 7/8"	122.47 - 142.09	3990.85	04/06/20	142.38	134.80	--	--	--	3856.05
MW-2	3991.08	7 7/8"	123.27 - 142.89	3991.08	01/30/20	143.76	135.18	--	--	--	3855.90
MW-3	3991.75	7 7/8"	123.72 - 143.34	3991.75	04/06/20	142.80	135.30	--	--	--	3855.78
					01/30/20		136.98	135.61	1.37	0.50	3855.80
					02/12/20		136.18	135.72	0.46	0.25	3855.92
					02/27/20		136.14	135.86	0.28	0.25	3855.82
					03/13/20		136.11	135.93	0.18	0.50	3855.78
					03/27/20		136.17	136.03	0.14	0.10	3855.69
					04/06/20	137.36	136.08	135.94	0.14	0.10	3855.78
					04/07/20		136.08	135.94	0.14	0.10	3855.78
					04/23/20		136.22	136.00	0.22	0.10	3855.70
					05/12/20		136.38	135.80	0.58	0.25	3855.81
MW-4	3991.57	7 7/8"	122.47 - 142.09	3991.57	04/06/20	143.54	136.82	--	--	--	3854.75
MW-5	3992.12	7 7/8"	125.97 - 142.59	3992.12	04/06/20	144.98	136.68	--	--	--	3855.44
MW-6	3991.94	7 7/8"	122.37 - 141.99	3991.94	04/06/20	143.40	136.10	--	--	--	3855.84
MW-7	3992.89	7 7/8"	122.17 - 141.79	3992.89	04/06/20	141.94	136.47	--	--	--	3856.42
MW-8	3991.27	7 7/8"	123.57 - 143.19	3991.27	01/30/20		137.06	134.64	2.42	0.50	3856.03
					02/12/20		137.03	134.60	2.43	1.50	3856.07
					02/27/20		137.06	134.68	2.38	1.00	3856.00
					03/13/20		137.13	134.71	2.42	2.00	3855.96
					03/27/20		137.17	134.78	2.39	1.00	3855.90
					04/06/20	143.43	137.04	134.73	2.31	1.00	3855.97
					04/07/20		137.08	134.73	2.35	1.00	3855.96
					04/23/20		137.14	134.80	2.34	1.00	3855.89
					05/12/20		136.95	134.75	2.20	1.50	3855.97
MW-9	3990.40	2"	123 - 145	3990.40	01/30/20		137.34	134.13	3.21	5.00	3855.47
					02/12/20		137.38	134.13	3.25	2.50	3855.46
					02/27/20		137.44	134.19	3.25	2.00	3855.40
					03/13/20		--	--	--	--	--
					03/27/20		137.49	134.30	3.19	2.00	3855.31
					04/06/20	148.15	137.50	134.30	3.20	2.00	3855.31
					04/07/20		137.50	134.30	3.20	2.00	3855.31
					04/23/20		137.51	134.30	3.21	2.00	3855.30
					05/12/20		137.38	134.18	3.20	2.50	3855.43
MW-10	3992.85	2"	123 - 145	3992.85	04/06/20	147.51	136.38	--	--	--	3856.47
MW-12	3989.62	2"	123 - 145	3989.62	04/06/20	139.55	133.27	--	--	--	3856.35
MW-13	3990.60	2"	123 - 145	3990.60	04/06/20	144.72	135.16	--	--	--	3855.44
MW-14	3991.27	2"	123 - 145	3991.27	04/06/20	147.20	136.06	--	--	--	3855.21
MW-15	3992.42	2"	124 - 146	3992.42	04/06/20	147.94	136.76	--	--	--	3855.66
MW-16	3989.17	2"	122 - 145	3989.17	04/06/20	139.95	135.49	--	--	--	3853.68
MW-17	3989.92	2"	122 - 145	3989.92	04/06/20	146.00	136.05	--	--	--	3853.87
MW-18	3989.96	2"	124.49 - 144.49	3989.96	04/06/20	145.22	135.63	--	--	--	3854.33
MW-19	3991.32	2"	124.49 - 144.49	3991.32	01/30/20		137.95	134.18	3.77	1	3856.21
					02/12/20		137.96	134.15	3.81	1.5	3856.23
					02/27/20		138.01	134.19	3.82	2	3856.18
					03/13/20		138.00	134.24	3.76	2	3856.15
					03/27/20		138.08	134.26	3.82	2	3856.11
					04/06/20	147.42	137.95	134.22	3.73	2	3856.17
					04/07/20		137.95	134.22	3.73	2	3856.17
					04/23/20		138.02	134.30	3.72	2	3856.10
					05/12/20		137.92	134.25	3.67	2.5	3856.16
MW-20	3992.62	2"	124.49 - 144.49	3992.62	04/06/20	146.15	136.07	--	--	--	3856.55
MW-21	3993.71	2"	124.49 - 144.49	3993.71	04/06/20	--	--	--	--	--	--
MW-22	3989.01	2"	115 - 145	3989.01	04/06/20	148.70	136.00	--	--	--	3853.01
MW-23	3989.77	2"	115 - 145	3989.77	04/06/20	149.21	136.74	--	--	--	3853.03
MW-24	3997.05	2"	115 - 145	3997.05	04/06/20	148.62	138.46	--	--	--	3858.59
MW-25	3991.88	2"	120 - 150	3991.88	04/06/20	149.90	132.45	--	--	--	3859.43
MW-26	3991.13	2"	120 - 150	3991.13	04/06/20	151.89	134.70	--	--	--	3856.43

TABLE 1
2020 POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well	TOC elev ¹	Well Diameter (inches)	Screen Interval (bgs ³)	Casing Elevation	Date	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL	LNAPL Thickness	Product Removed	Corrected Groundwater Elevation (ft above MSL ²)
			ft toc	ft msl		ft toc	ft toc	ft toc	ft	gallons	ft msl
EW-1	3987.79	4"	120 - 145	3987.79	01/30/20		134.25	130.71	3.54	5.00	3856.20
					02/12/20		134.24	130.76	3.48	4.00	3856.17
					02/27/20		134.16	130.77	3.39	3.00	3856.18
					03/13/20		134.24	130.81	3.43	3.00	3856.13
					03/27/20		134.28	130.84	3.44	3.00	3856.10
					04/06/20	143.86	134.14	130.80	3.34	3.00	3856.16
					04/07/20		134.14	130.80	3.34	3.00	3856.16
					04/23/20		134.23	130.90	3.33	2.00	3856.06
					05/12/20		134.20	130.85	3.35	3.00	3856.11
TW-11	3989.11			3989.11	04/06/20	188.22	131.05	--	--	--	3858.06
TW-13	3988.73			3988.73	04/06/20	176.65	133.84	--	--	--	3854.89

NOTES:

ft msl ' indicates feet above mean sea level.

ft toc' indicates feet below top of casing.

'LNAPL' indicates light non-aqueous-phase liquid.

'--' indicates not applicable (e.g., no data or '0').

Water elevations were corrected using an estimated LNAPL specific gravity of 0.752.

TABLE 2
2020 GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Sample I.D. No.	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standards, mg/L		0.01	0.75	0.75	0.62	--	--	--	250	1,000
MW-1	4/10/2020	0.45	<0.00020	<0.00021	<0.00037	1.6	0.091 J	1.69	--	--
MW-2	4/10/2020	0.0051	<0.00020	<0.00021	<0.00037	0.035 J	<0.045	0.035 J	--	--
MW-3	4/7/2020	----- LNAPL -----								
MW-4	4/9/2020	3.4	0.0048 J	0.017	0.0056 J	13	0.055 J	13.6	--	--
Dup	4/9/2020	3.2	0.0045 J	0.016	<0.00037	12	0.055 J	12.6	--	--
MW-5	4/9/2020	<0.00018	<0.00020	<0.00021	<0.00037	0.036 J	<0.048	0.036 J	--	--
MW-6	4/9/2020	0.0073	<0.00020	<0.00021	<0.00037	0.064	<0.046	0.064	--	--
MW-7	4/9/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15	--	--
MW-8	4/9/2020	----- LNAPL -----								
MW-9	4/9/2020	----- LNAPL -----								
MW-10	4/10/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.045	<0.023	--	--
MW-12	4/7/2020	<0.00018	0.00022 J	<0.00021	<0.00037	<0.023	<0.047	<0.023	--	--
MW-13	4/9/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.023	--	--
MW-14	4/9/2020	<0.00018	<0.00020	<0.00021	<0.00037	0.064	0.24J	0.304	--	--
MW-15	4/8/2020	0.00027 J	<0.00020	<0.00021	<0.00037	<0.023	<0.045	<0.023	--	--
MW-16	4/7/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.023	--	--
MW-17	4/8/2020	7.3	<0.00020	0.0014	0.0015 J	19	<0.047	19	--	--
MW-18	4/9/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	0.13 J	0.13 J	--	--
MW-19	4/9/2020	----- LNAPL -----								
MW-20	4/7/2020	0.00027 J	0.0012	0.00032 J	<0.00037	<0.023	<0.046	<0.023	--	--
MW-21	4/7/2020	--	--	--	--	--	--	--	--	--
MW-22	4/8/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.043	<0.023	--	--
MW-23	4/10/2020	0.00033 J	<0.00020	<0.00021	<0.00037	<0.023	<0.047	<0.023	--	--
MW-24	4/7/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.023	--	--
MW-25	4/7/2020	<0.00018	0.00028 J	0.00021 J	<0.00037	<0.023	<0.045	<0.023	--	--
MW-26	4/9/2020	0.00045 J	<0.00020	<0.00021	<0.00037	<0.023	<0.048	<0.023	--	--
EW-1	4/7/2020	----- LNAPL -----								
TW-11	4/7/2020	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.047	<0.023	--	--
TW-13	4/9/2020	<0.00018	<0.00020	<0.00021	<0.00037	0.026 J	<0.047	0.026 J	--	--

NOTES:

NMWQCC - New Mexico Water Quality Control Commission

'mg/L' indicates milligrams per liter

Bold and Italicise cells indicate that concentration exceeds NMWQCC standard.

'LNAPL' indicates Light Non-Aqueous Phase Liquids.

'J' indicates an estimated concentration detected below the quantitation limit.

'NS' indicates Not sampled

'--' indicates Not Analyzed or Not Applicable

Data from TAL Laboratories Reports: 600-203586-1 and 600-203723-1

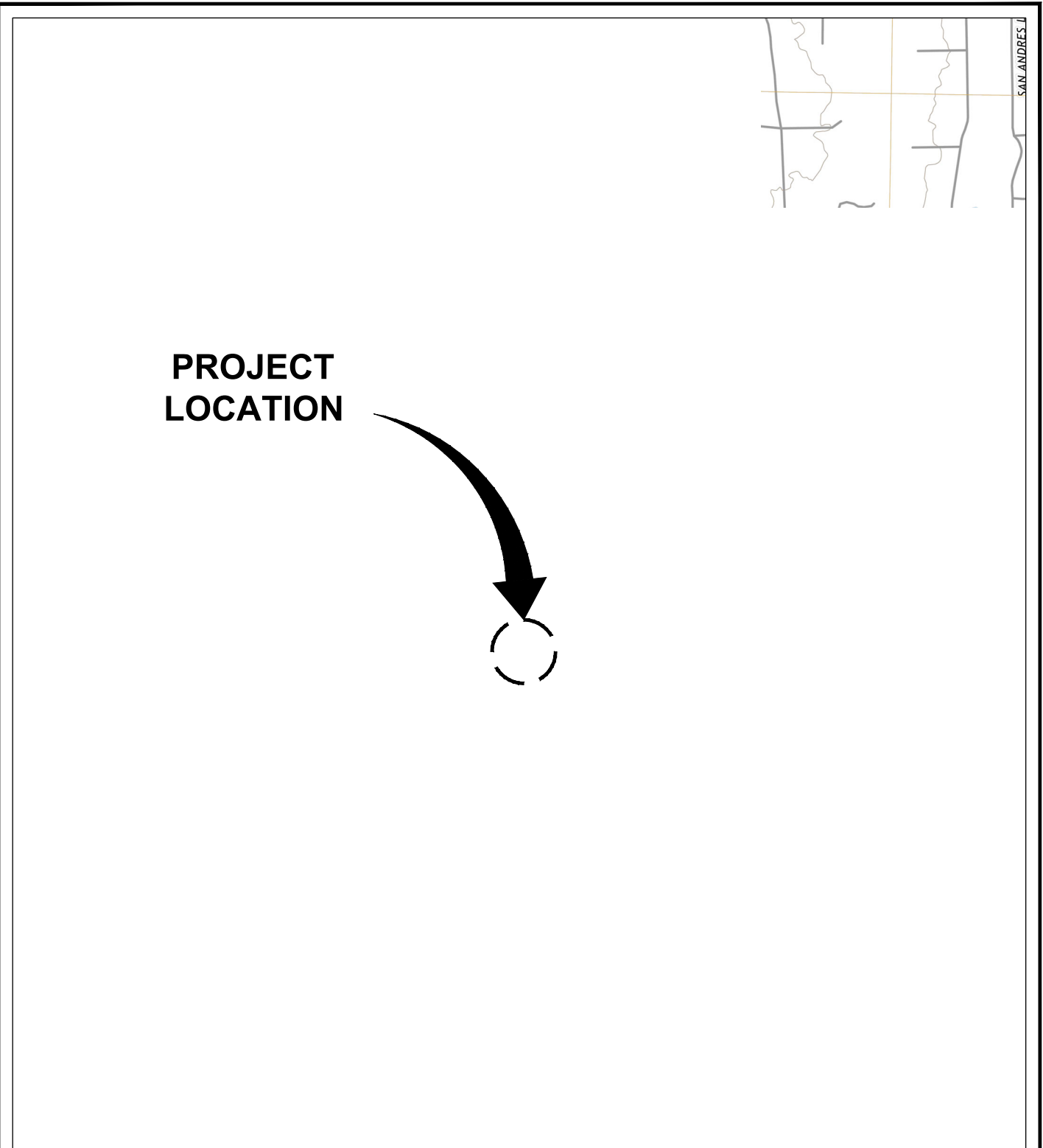
< Indicates that the results are less than the sample detection limit

TPH GRO indicates Total Petroleum Hydrocarbons Gasoline Range Organics

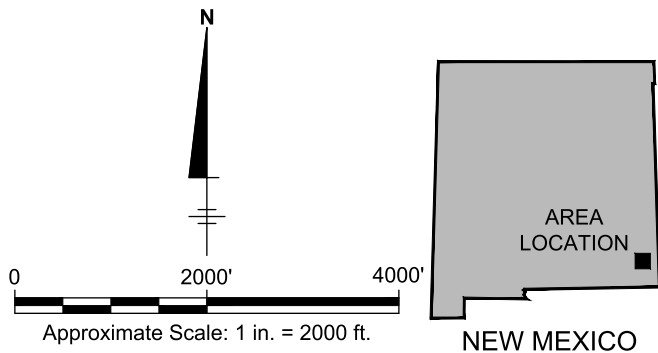
TPH DRO indicates Total Petroleum Hydrocarbons Diesel Range Organics

Figures

C:\Users\salatagn7692\OneDrive\Arcadis\US-CHEVRON-LEA COUNTY-BUCKEYE COMPRESSOR STATION\LEA COUNTY New Mexico\Project Files\2021\01-In Progress\01-DWG\GEN-F01-SITE LOCATION.dwg LAYOUT: 1 SAVED: 5/20/2021 7:59 PM ACADVER: 24.05 (LMS TECH) PAGES: 14 OF 209 PLOTSTYLETABLE: PLT\FULL.CTB PLOTTED: 5/21/2021 11:13 AM BY: SALOTAGI, NANDITHA



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., BUCKEYE AND LOVINGTON SW, NEW MEXICO, 2020, NAD83.



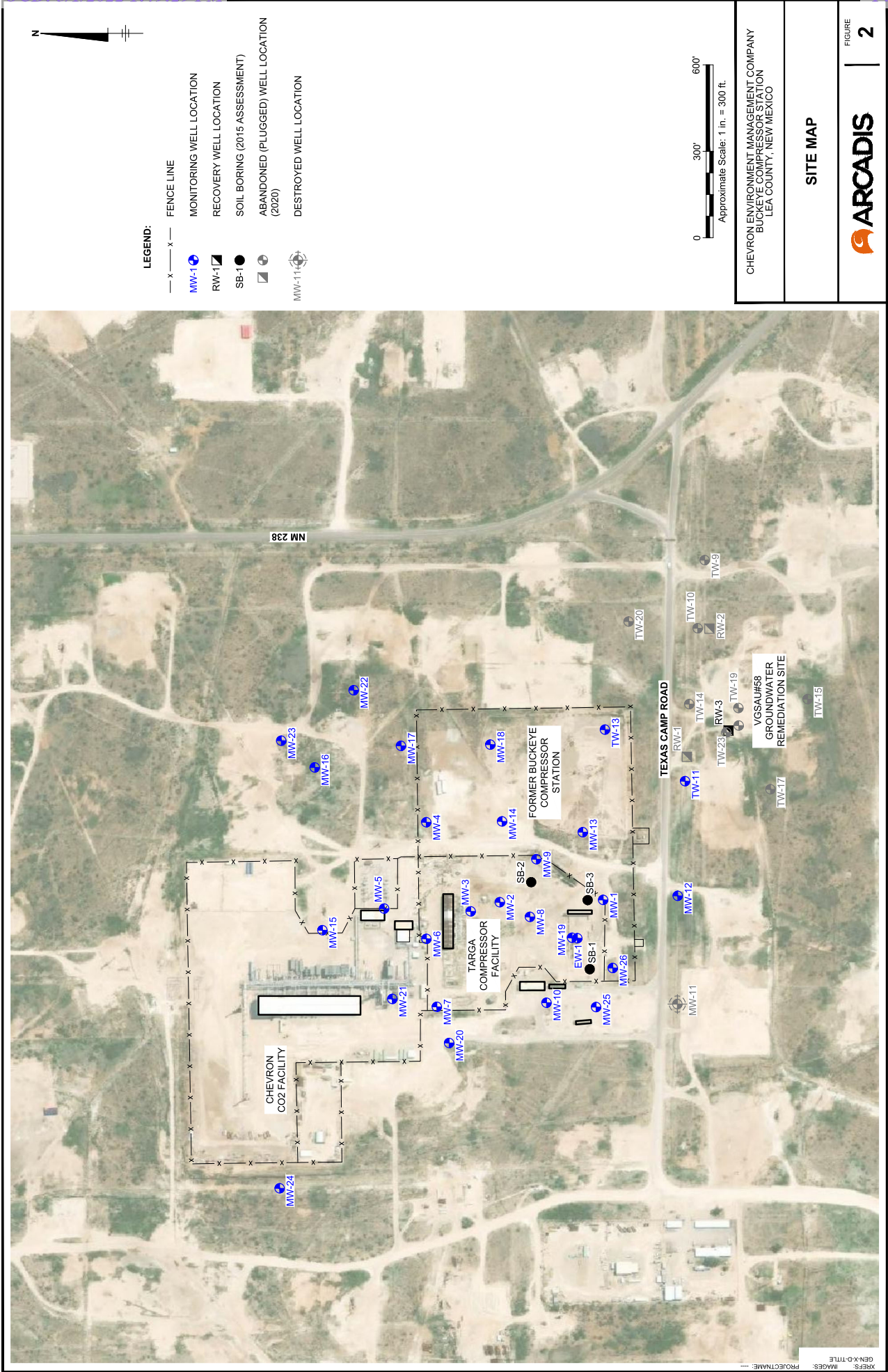
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

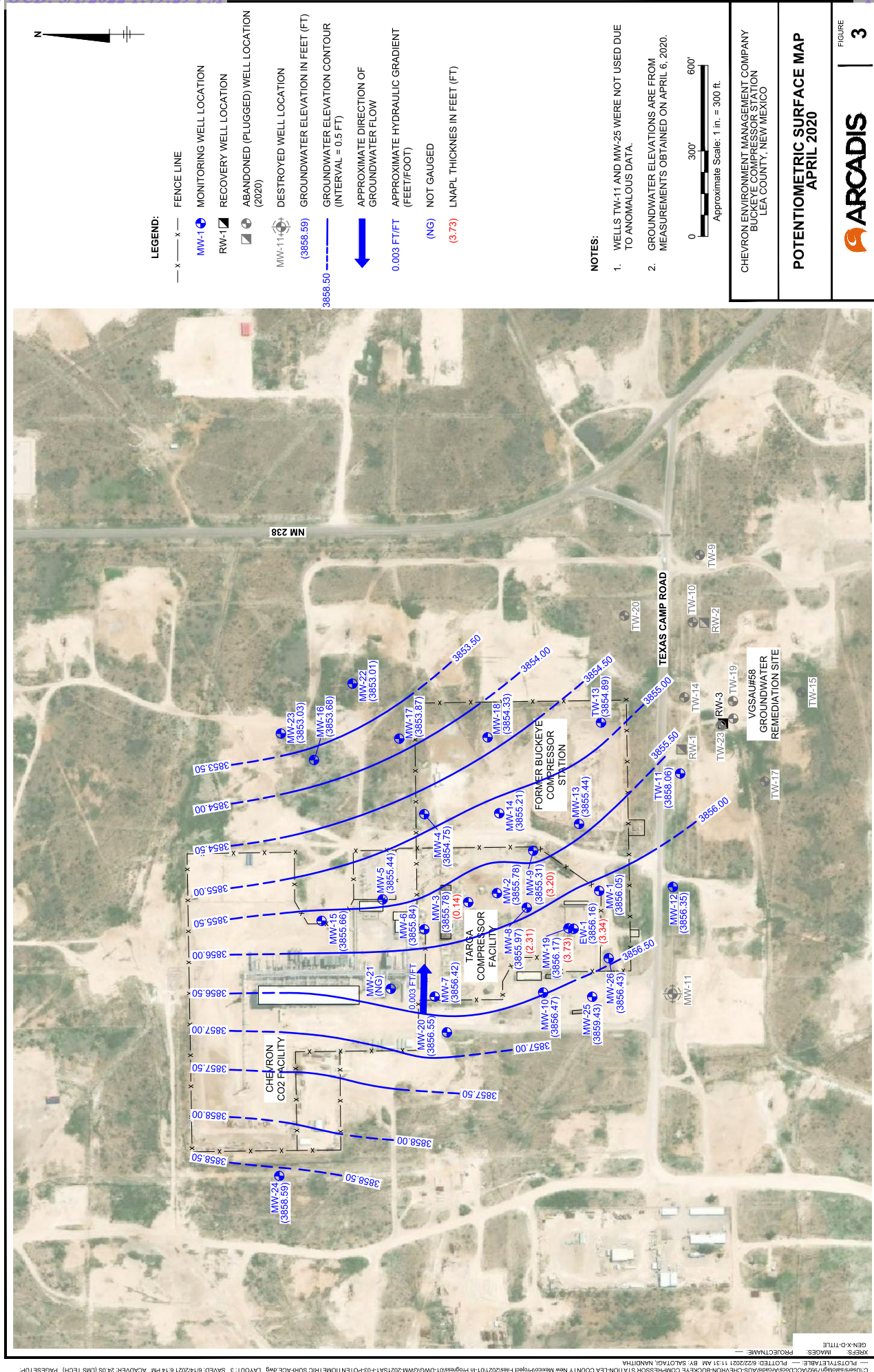
SITE LOCATION MAP

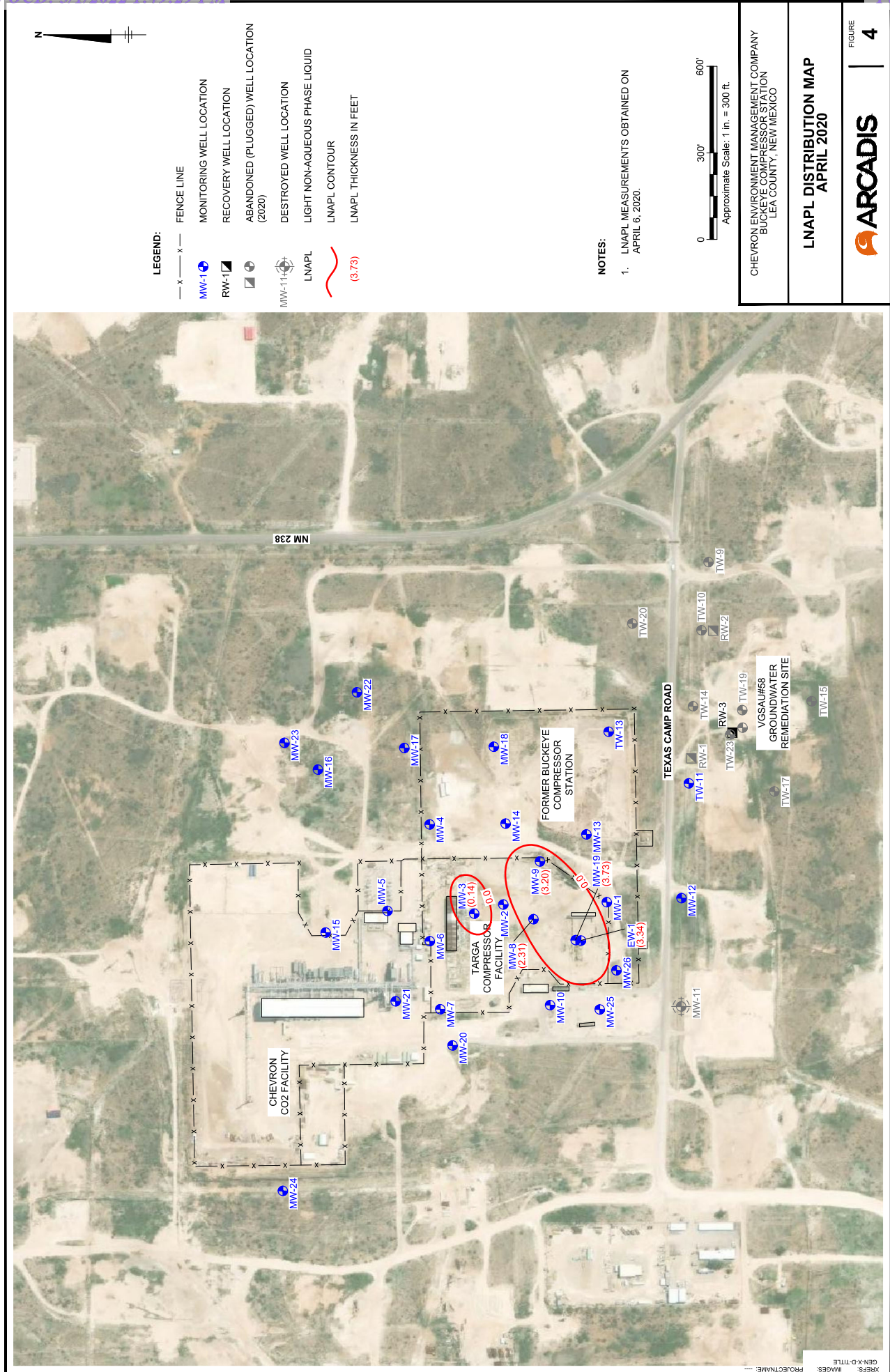


FIGURE

1









Appendix A

Site Background



REGULATORY BACKGROUND

The Site is located within the gas compression facility currently owned and operated by Targa Resources, LLC. The facility was originally owned by Texaco Exploration and Production, Inc. (Texaco). Previous investigations were conducted by Texaco to identify the source and extent of groundwater impacts observed in the non-potable water well at the Site. These investigations have included the advancement of 17 soil borings and installation of 24 monitoring wells from 2002 to 2007. Light non-aqueous phase liquid (LNAPL) was first discovered in May 2008 within monitoring well MW-19, which is located proximate to a former "slop oil" tank. LNAPL has not been observed in MW-1 or MW-13 (located down gradient from MW-19). The primary chemical of concern (COC) in groundwater was identified as benzene. Fluid levels and concentrations of dissolved benzene, toluene, ethylbenzene, and total xylenes (BTEX) have been monitored on an annual or semi-annual basis since the monitoring wells were installed.

In order to determine the source of LNAPL in MW 19 and dissolved benzene in monitoring well MW 4, Stantec Inc. installed extraction well EW-1 and drilled five soil borings in May 2010. Soil results from borings SB-3, SB-4 and EW-1 (located adjacent to MW-19) exhibited BTEX and/or total petroleum hydrocarbons (TPH) concentrations at depths extending from 124 to 128 feet below ground surface (ft. bgs) that exceeded applicable New Mexico Oil Conservation Division (NMOCD) action levels. LNAPL has been present in EW-1 since its installation adjacent to MW-19 in 2010. LNAPL subsequently appeared in MW-8 and MW-9 in 2011, and in MW-3 in 2012.

GHD Services, Inc. (GHD) managed the project beginning in November 2010 and has conducted semiannual monitoring events since 2011. Arcadis assumed responsibility of the semiannual monitoring events in 2019. As part of free product recovery efforts, LNAPL has been bailed from MW-8, MW-9, MW-19, and EW-1 since 2011. LNAPL from MW-3 has been bailed since 2017. An approximate biweekly bailing schedule was implemented in 2012 and continued through 2019.

Although LNAPL thicknesses have fluctuated in wells, there has been no evidence of additional LNAPL migration since the appearance of LNAPL in MW-3 during 2012. Prior results do not indicate surface or shallow subsurface soil impacts in wells containing LNAPL.

The potential source of LNAPL in MW-8 and MW-9 was further evaluated in March and April 2015, and the results were presented in the 2015 Annual Groundwater Monitoring Report dated March 2016. The investigation involved five soil borings which were advanced to depths of 130 ft. bgs with the objective to further assess the possible source of the LNAPL. The results indicated no hydrocarbon impacts in soil down to the total depths of the borings. As such, the source of LNAPL was not identified. Two of the soil borings were deepened to 150 ft. bgs and converted to monitoring wells (MW-25 and MW-26).

The combined recoveries during two mobile dual-phase extraction (MDPE) events performed in August and December 2015 were approximately 425 gallons of LNAPL and 14,442 gallons of water. The August event resulted in the total LNAPL recovery of 210 gallons (liquid and vapor) followed by 215 gallons in the December event. Although these results demonstrated that MDPE was a viable LNAPL recovery method for the Site, it was determined that biweekly hand bailing would continue due to the lower costs and apparent stability of the LNAPL and dissolved phase plumes.

Analysis of chloride in groundwater was discontinued after 2012 in all wells except MW-21 because the historical results indicated that it was not a concern in other wells. Subsequent chloride results in MW-22 indicated an isolated exceedance in October 2014 and two consecutive exceedances during 2017.

In July 2017, LNAPL was sampled from MW-3 and MW-19 and analyzed by PIANO (Paraffins, Isoparaffins, Aromatics, Napthenes, and Olefins) analysis. Conclusions from results of the analysis of the two samples determined they were both of nearly identical compositional configuration, carbon distribution, and compositional make up (i.e., believed from the same source). Both samples were also determined relatively fresh with minimal weathering.

REGULATORY FRAMEWORK

The NMOCD provides guidance for remediation of contaminants of oil field wastes or products 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 20.6.2.3103. NMWQCC standards for BTEX are listed below, and do not include TPH.

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

Note: mg/L = milligrams per liter

GROUNDWATER SAMPLING AND ANALYSIS

The Site currently includes 26 active monitoring wells (MW-1 through MW-10, MW-12 through MW-26, and EW-1) (Figure 2). The first semiannual groundwater monitoring event was conducted in April 2020, the second semiannual monitoring event was not conducted in 2020. Monitoring well MW-11, located southwest of the dissolved phase plume, has not been gauged or sampled since October 2008 because the casing collapsed in late 2008 or early 2009. The consent of the NMOCD to exclude MW-11 as a monitoring well was requested at the time. Subsequent pipeline replacement activities in late 2012 destroyed MW-11, as was noted in the 2013 Annual Groundwater Monitoring Report dated March 14, 2014. The dissolved-phase plume was already delineated in the area north and east of MW-11 as evidenced by monitoring results in MW-10 and MW-12 (and subsequently by MW-25 and MW-26).

Wells TW-11 and TW-13, associated with the adjacent Vacuum Grayburg San Andres Unit No. 58 (VGSAU #58) site (Buckeye Vacuum Field Unit) located south of Texas Camp Road (Figure 2), are included in the groundwater monitoring program in order to monitor dissolved phase contaminants to the southeast of the Site. Based on historical analytical results of on-site well MW-13, the southeastern side of the dissolved phase plume has remained delineated within the facility area.

GEOLOGY/HYDROGEOLOGY ASSESSMENT

Site Setting

The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye, Lea County, New Mexico. The general vicinity is shown on Figure 1 and Site details are presented on Figure 2. The Site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates: 32.784532, -103.50831.

Land in the vicinity of the Site is utilized primarily for livestock ranching and oil and gas production, and has areas of undeveloped rangeland vegetated with indigenous grass. An injection well facility, operated by Resaca Resources, LLC (Resaca), is located adjacent to the Site. No active Chevron U.S.A. Inc. (Chevron) operations are present in the area.

Regional Geologic Conditions

The region is characterized by a surface cover of up to 200 feet of unconsolidated to semi-lithified sediments of the Ogallala Formation consisting of sand, clay, and fluvial gravel. The upper portion of the Ogallala Formation has been heavily cemented by caliche. The Tertiary-aged sediments are underlain by the Triassic-aged Dockum Group shale ("red beds").

Site Geology

The subsurface stratigraphy typically included the following:

- A thick sand (0 to 163 feet) layer of unconsolidated fine sand containing trace caliche nodules. Sand grains gradually increasing to fine to medium grained at 140 feet,
- A fine sand layer typically ranging from 3 feet to 30 feet,
- A sandy clay layer typically ranging from 2 feet to 11 feet directly above the upper Dockum "redbeds", and
- Red and gray weathered shale and mudstone "redbeds" of the Triassic Dockum Group that form the underlying confining layer.

Hydrogeologic Conditions

Regional groundwater flow in the Ogallala Aquifer is controlled by the slope of the land surface to the south with localized eastward flow into the valley of Monument Draw. The aquifer typically behaves as an unconfined aquifer. Monument Draw is an intermittent stream that contains water only after heavy rains (Texas Water Development Board [TWDB], 2008)¹. The Dockum Group Shale is considered the underlying aquitard for the Ogallala Aquifer.

Appendix B

Groundwater Monitoring and LNAPL O&M Reduction Workplan



Jason Michelson
Project Manager

**Chevron Environmental
Management Company**
1500 Louisiana Street, #38116
Houston, Texas 77002
Work: 832-854-5601
Cell: 281-660-8564
jmichelson@chevron.com

July 27, 2020

EMNRD/OCD
5200 Oakland, NE, Suite 100
Albuquerque, NM 87113

**Re: Buckeye Compressor Station
Case No. AP-104
Proposed Groundwater Monitoring and LNAPL O&M Reduction Workplan
Lea County, New Mexico**

Dear whom it concerns,

Please find enclosed for your files, copies of the following Workplan:

- Buckeye Compressor Station Proposed Groundwater Monitoring and LNAPL O&M Reduction Workplan

The submittal was prepared by Arcadis on behalf of Chevron Environmental Management Company (CEMC).

Please do not hesitate to call Scott Foord with Arcadis U.S., Inc., the current consultant, at 713-953-4853 or myself at 832-854-5601, should you have any questions.

Sincerely,

Jason Michelson
Jason Michelson

Encl. Buckeye Compressor Station AP-104 Proposed Groundwater Monitoring and LNAPL O&M Reduction Workplan



Mr. Bradford Billings
Project Manager
EMNRD/OCD
5200 Oakland, NE, Suite 100
Albuquerque, NM 87113

Arcadis U.S., Inc.
10205 Westheimer Road
Suite 800
Houston
Texas 77042
Tel 713 953 4800
Fax 713 977 4620
www.arcadis.com

Subject:

Proposed Groundwater Monitoring and LNAPL O&M Reduction Workplan
Chevron Environmental Management Company
Buckeye Compressor Station (AP-104)
Lea County, New Mexico

ENVIRONMENT

Date:
July 16, 2020

Contact:
Scott Foord

Phone:
713.953.4853

Email:
William.foord@arcadis.com

ARCADIS U.S., Inc.
TX Engineering License # F-533
Geoscientist License # 50158

Dear Mr. Billings:

At the request of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis) is providing this workplan to request the reduction of groundwater monitoring frequency and a reduction of light non-aqueous phase liquid (LNAPL) recovery event frequency for the Buckeye Compressor Station site (Site).

The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye, Lea County, New Mexico. The Site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates 32° 47' 3.93"N, 103° 30' 30.08"W.

Groundwater monitoring began at the Site in June 2002 and the Site is currently monitored semi-annually from a network of 28 monitoring wells. The Site groundwater flow is generally to the east. Five monitoring wells currently contain LNAPL, and bi-weekly LNAPL gauging and hand-bailing activities are currently conducted. All monitoring wells without LNAPL are currently sampled during both sampling events. The constituents of concern (COCs) in groundwater include benzene, ethylbenzene, toluene, and xylenes (BTEX); total petroleum hydrocarbons (TPH); chloride and total dissolved solid.

For additional site-specific background information please refer to the GHD, 2018 Groundwater Monitoring Report, dated May 22, 2019. The 2019 Groundwater Monitoring Report will be submitted by the end of the third quarter 2020.

Mr. Bradford Billings
EMNRD/OCD
July 16, 2020

PROPOSED REDUCED SAMPLING PLAN

The following Workplan outlines the specifics of the proposed reduced sampling plan for select monitoring wells and the methodology for the selection of those monitoring wells. One semi-annual monitoring event will include sampling all site wells as currently conducted. The second semi-annual sampling event will be reduced to only sampling select monitoring wells based on the following proposed sampling methodology. The groundwater sampling frequency will be assessed yearly based on the results of the sampling events for the lifespan of the project and will increase to quarterly for a minimum of eight consecutive quarters prior to closure request for the Site.

CEMC also request to defer TPH analysis for all wells sampled during the reduced semi-annual sampling event as concentration trends have been established and there are currently no New Mexico Water Quality Control Commission (NMWQCC) standards for these constituents.

Additionally, CEMC requests that the current LNAPL gauging and hand-bailing activities schedule be reduced from bi-weekly to quarterly gauging only (no hand-bailing) for one year to allow the current LNAPL conditions at the Site to equilibrate so that a more practical/efficient LNAPL recovery method can be evaluated and initiated.

The following sections provide specifics for the proposed reduced groundwater monitoring plan:

Sampling Reduction for Non-Impacted Monitoring Wells

Site monitoring wells with COC concentrations reported below NMWQCC exceedance standards for two consecutive years or longer will not be gauged or sampled during the second semi-annual monitoring event.

The Site wells currently selected for reduction from the second semi-annual sampling event include: MW-5, MW-7, MW-10, MW-15, MW-16, MW-20, MW-23, MW-24, MW-25, and MW-26.

The previously referenced wells have been evaluated based on historical concentration trends, historical concentration trends of nearby monitoring wells, potential receptors, and the groundwater gradient.

The proposed reduction list of monitoring wells and associated laboratory analysis for the second semi-annual event are presented on attached **Table 1** (Sampling and Analysis Plan).

The proposed Site monitoring wells that will be sampled during the reduced event are presented on **Figure 1** (Potentiometric Surface Map) and are presented with current groundwater constituent concentrations on **Figure 2** (Proposed Groundwater Monitoring Reduction Plan).

The Summary of Historical Groundwater Analytical Results is presented in **Table 2**.

Request to Reduce LNAPL Recovery and Gauging

As stated previously, CEMC additionally requests reduction of the current bi-weekly LNAPL gauging and hand-bailing activities to quarterly gauging only (no hand-bailing) for one year (through August 2021), to allow the current LNAPL conditions at the Site to equilibrate so that a more practical/efficient LNAPL recovery method can be evaluated and initiated. CEMC will assess findings from the LNAPL gauging data collected through August 2021 to evaluate the need for additional LNAPL source determination

Mr. Bradford Billings
EMNRD/OCD
July 16, 2020

assessment activities at the Site. The data will also be further evaluated to determine more practical and effective LNAPL recovery system alternatives.

CONTACT

Arcadis is prepared to initiate the scope of work immediately. If you have any questions or comments, please contact either Scott Foord by phone at 713 953 4853 or by e-mail at william.foord@arcadis.com or Greg Cutshall by phone at 859 327 4626 or by email at greg.cutshall@arcadis.com.

Sincerely,

Arcadis U.S., Inc.



Scott Foord
Project Manager

Copies:
Greg Cutshall, Program Manager

Enclosures:

Tables

- 1 Sampling and Analysis Plan
- 2 Summary of Historical Groundwater Analytical Results

Figures

- 1 Potentiometric Surface Map
- 2 Proposed Groundwater Monitoring Reduction Plan

TABLES

Table 1
Sampling and Analysis Plan
Chevron Environmental Management Company
Buckeye Compressor Station (AP-104)
Lea County, New Mexico



Well ID	First Semi-Annual Monitoring Event			Second Semi-Annual Monitoring Event	
	BTEX	TPH DRO/GRO	Chloride and TDS	BTEX	Chloride and TDS
MW-1	X	X	--	X	--
MW-2	X	X	--	X	--
MW-3	--	--	--	--	--
MW-4	X	X	--	X	--
MW-5	X	X	--	--	--
MW-6	X	X	--	X	--
MW-7	X	X	--	--	--
MW-8	--	--	--	--	--
MW-9	--	--	--	--	--
MW-10	X	X	--	--	--
MW-12	X	X	--	X	--
MW-13	X	X	--	X	--
MW-14	X	X	--	X	--
MW-15	X	X	--	--	--
MW-16	X	X	--	--	--
MW-17	X	X	--	X	--
MW-18	X	X	--	X	--
MW-19	--	--	--	--	--
MW-20	X	X	--	--	--
MW-21	X	X	--	X	--
MW-22	X	X	X	X	X
MW-23	X	X	--	--	--
MW-24	X	X	--	--	--
MW-25	X	X	--	--	--
MW-26	X	X	--	--	--
EW-1	--	--	--	--	--
TW-11	X	X	--	X	--
TW-13	X	X	--	X	--

Notes:

USEPA = United States Environmental Protection Agency

X = Data will be collected at monitoring well during respective event

-- = Data will not be collected at monitoring well during event

Bold = LNAPL currently in well

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₁₀	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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	4.0	<0.0040	0.0045 J	<0.012						
MW-1	10/7/10	3.3	0.0032 J	0.0013 J	0.0031 J						
MW-1	4/26/11	8.8	<0.0010	0.0022	0.0039	18.2	<0.050		62.5		
MW-1	10/20/11	6.2	<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	<0.020	<0.010	<0.010	<1.50	<1.50		64.1		
MW-1	4/25/13	6.21	<0.100	<0.050	<0.050	6.57	<1.50				
MW-1	10/24/13	6.19	<0.0400	<0.0200	<0.0200	6.62	<1.50	6.62			
MW-1	2/14/14	7.25	<0.1000	<0.0500	<0.0500	5.00	<1.50	5.00			
MW-1	10/30/14	6.59	<0.0500	<0.2500	<0.0250	10.00	<1.48	10.00			
MW-1	3/3/15	5.56	<0.05000	<0.0250	<0.0250	6.58	<1.50	6.58			
MW-1	10/29/15	1.49	<0.040000	<0.020000	<0.0200	2.07	<1.41	2.07			
MW-1	3/3/16	1.50	<0.0400	<0.0200	<0.0200	2.24	<1.41	2.24			
MW-1	8/23/16	3.59	<0.0200	<0.0200	<0.0200	1.99	<1.50	1.99			
MW-1	3/3/17	0.0978	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-1	8/31/17	2.34	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-1	4/5/18	1.65	<0.00200	<0.00200	<0.00200	3.08	<1.50	3.08			
MW-1	8/29/18	2.94	<0.00200	<0.00200	<0.00200	4.00	<1.50	4.00			
MW-1	1/29/19	2.02	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-1	12/17/19	0.84	<0.00020	<0.00021	<0.00037	3	<1.50	3			
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	
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-2	4/25/13	0.294	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-2	10/24/13	0.583	<0.0100	<0.00500	<0.00500	<1.50	<1.50	<1.50			
MW-2	2/13/14	0.174	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/30/14	0.0281	<0.0020	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-2	3/3/15	0.0712	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/29/15	0.00325	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-2	3/3/16	0.00216	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-2	8/23/16	0.0622	<0.00200	<0.00200	<0.00200	1.99	<1.50	<1.50			
MW-2	3/3/17	0.0447	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/31/17	0.757	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	4/5/18	0.315	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/29/18	0.249	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	1/29/19	0.0061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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		
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-3	4/26/13	11.70	0.884	0.289	0.301	13.0	<1.50				
MW-3	10/22/13										NS--LNAPL
MW-3	2/11/14										NS--LNAPL
MW-3	10/27/14										NS--LNAPL
MW-3	2/24/15										NS--LNAPL
MW-3	10/28/15										NS--LNAPL
MW-3	2/29/16										NS--LNAPL
MW-3	8/23/16	6.60	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW-3	3/3/17										NS--LNAPL
MW-3	8/30/17										NS--LNAPL
MW-3	4/5/18										NS--LNAPL
MW-3	8/29/18										NS--LNAPL
MW-3	1/29/19										NS--LNAPL
MW-3	12/20/19										NS--LNAPL
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	25.0	0.490	0.470	0.220 J						
MW-4	10/7/10	20.0	0.500	0.370	0.200						
MW-4	4/26/11	39.0	0.170	0.230	0.130	75.7	0.360		86.4		

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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-4	4/26/13	20.5	<0.200	<0.100	<0.100	18.8	<1.50				
MW-4	10/24/13	19.6	<0.100	0.167	0.0595	21.7	<1.50	21.7			
MW-4	2/14/14	19.9	<0.100	0.070	0.0500	30.5	<1.50	30.5			
MW-4	10/29/14	26.2	<0.200	0.202	<0.100	34.0	<1.48	34.0			
MW-4	3/3/15	23.4	<0.20001	0.177	<0.100	24.6	<1.50	24.6			
MW-4	10/28/15	9.52	0.141	0.051	0.0550	15.7	<1.41	15.7			
MW-4	3/3/16	5.77	0.0201	0.0450	0.0297	6.26	<1.41	6.26			
MW-4	8/24/16	6.81	<0.100	<0.100	<0.100	5.88	<1.50	5.88			
MW-4	3/1/17	4.20	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	8/31/17	6.19	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	4/4/18	12.80	<0.00200	0.00294	<0.00200	21.1	<1.50	21.1			
MW-4	8/28/18	9.76	<0.20000	<0.20000	<0.20000	13.7	<1.50	13.7			
MW-4	1/29/19	6.92	<0.20000	0.00228	0.00113	9.64	<1.50	<1.50			
MW-4	12/19/19	11.00	0.004	0.044	0.030 J	28.00	<1.50	28			
MW-4	12/19/19	12.00	0.004	0.044	0.030 J	33.00	<1.50	33			
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		
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-5	4/25/13	0.00819	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-5	10/23/13	0.0176	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	2/13/14	0.0574	<0.00200	<0.00100	0.00267	<1.50	<1.50	<1.50			
MW-5	10/29/14	0.0031	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-5	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-5	3/3/16										NS - construction
MW-5	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	3/2/17	0.00223	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	8/31/17	0.0609	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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		

Table 2- Historical Groundwater Analytical Results

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₁₀	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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						
MW-6	10/7/10	0.460	0.0051	0.0015	0.0063						
MW-6	4/21/11	0.800	0.0031	<0.0020	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	<0.02000	<0.01000	<0.01000	<1.50	<1.50		52.1		
MW-6	4/26/13	0.628	<0.01000	<0.00500	<0.00500	<1.50	<1.50				
MW-6	10/24/13	1.04	<0.0100	<0.00500	<0.00500	2.10	<1.50	2.10			
MW-6	2/13/14	0.23	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/30/14	0.0392	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-6	3/3/15	0.0355	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/29/15	0.132	<0.0020	<0.00100	<0.00100	<1.51	<1.41	<1.51			
MW-6	3/3/16	0.0177	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-6	8/24/16	0.208	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	3/3/17	0.0275	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	4/6/18	0.109	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	8/29/18	0.480	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-6	1/29/19	0.0188	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	12/20/19	0.013	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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-7	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-7	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/14	0.00408	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-7	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	3/3/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	9/1/17	1.05	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	1/29/19	0.00061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

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LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWWQC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-7	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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						
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	0.0085	0.120	0.067				42.8		
MW-8	4/6/10	2.9	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-8	4/23/13										NS--LNAPL
MW-8	10/22/13										NS--LNAPL
MW-8	2/11/14										NS--LNAPL
MW-8	10/27/14										NS--LNAPL
MW-8	2/24/15										NS--LNAPL
MW-8	10/26/15										NS--LNAPL
MW-8	2/29/16										NS--LNAPL
MW-8	8/22/16										NS--LNAPL
MW-8	3/3/17										NS--LNAPL
MW-8	8/31/17	3.25	2.92	0.728	1.11	24.5	8.17	35.6			
MW-8	4/3/18										NS--LNAPL
MW-8	8/29/18	3.62	1.37	0.292	0.40	24.8	2.85	27.7			
MW-8	1/29/19	1.67	0.0147	0.0618	0.0886	6.77	1.02	7.79			
MW-8	12/16/19										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		
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-9	4/23/13										NS--LNAPL
MW-9	10/22/13										NS--LNAPL
MW-9	2/11/14										NS--LNAPL
MW-9	10/27/14										NS--LNAPL
MW-9	2/24/15										NS--LNAPL

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-9	10/26/15										NS--LNAPL
MW-9	2/29/16										NS--LNAPL
MW-9	8/22/16										NS--LNAPL
MW-9	3/3/17										NS--LNAPL
MW-9	8/30/17										NS--LNAPL
MW-9	4/3/18										NS--LNAPL
MW-9	8/29/18										NS--LNAPL
MW-9	1/29/19										NS--LNAPL
MW-9	12/19/19										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-10	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-10	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-10	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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						
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		

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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		
MW-12	4/23/13										NS--well damaged
MW-12	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-12	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	6.32	6.32			
MW-12	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		529	
MW-12	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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-13	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-13	10/24/13	0.0192	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-13	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/27/15	<0.00100	<0.00200	<0.00100		<1.41	<1.41	<1.41			
MW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	4/4/18	0.00202	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

Table 2- Historical Groundwater Analytical Results

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.000237	<1.50	<1.50	<1.50			
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		
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-14	4/25/13	0.203	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-14	10/24/13	0.162	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	2/13/14	0.128	<0.00200	<0.00100	0.00300	<1.50	<1.50	<1.50			
MW-14	10/29/14	0.00813	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-14	3/2/15	0.0194	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	10/28/15	0.0186	<0.00200	<0.00100	<0.00100	<1.41	<2.13	<2.13			
MW-14	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	1.9	<1.41	1.9			
MW-14	8/24/16	0.00676	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	4/4/18	0.00766	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	1/30/19	0.00904	<0.00200	<0.00200	<0.00200	0.002	<1.50	<1.50			
MW-14	12/19/19	0.001	<0.00020	<0.00021	0.00080 J	<1.50	<1.50	<1.50			
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		
MW-15	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-15	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	2/12/14	0.00134	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-15	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

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Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-15	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-15	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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-16	4/24/13	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50				
MW-16	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	2/12/14	0.00431	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-16	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-17	10/23/03	<0.001	<0.001	<0.001	<0.001				292	1,090	
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		
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-17	4/25/13	6.980	<0.20000	<0.10000	<0.10000	<8.20	<1.50				

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-17	10/24/13	12.1	<0.100	<0.0500	0.0710	11.1	<1.50	<11.10			
MW-17	2/14/14	19.8	<0.100	<0.0500	0.0500	20.9	<1.50	20.9			
MW-17	10/30/14	22.3	<0.200	<0.100	<0.100	24.7	<1.48	24.7			
MW-17	3/3/15	23.8	<0.200	<0.100	<0.101	29.9	<1.50	29.9			
MW-17	10/28/15	18.8	<0.100	<0.128	0.5890	27.4	<1.41	27.4			
MW-17	3/2/16	0.279	<0.00200	<0.00100	<0.00100	13.9	<1.41	13.9			
MW-17	8/24/16	0.0927	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	3/1/17	0.336	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	8/30/17	4.32	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-17	4/4/18	2.50	<0.00200	<0.00200	<0.00200	5.23	<1.50	5.23			
MW-17	9/4/18	0.463	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-17	1/31/19	2.22	0.00041	<0.00200	0.00071	4.00	<1.50	<1.50			
MW-17	12/19/19	6.9	0.00040	0.0076 J	0.016 J	23.00	<1.50	23			
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-18	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-18	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-18	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	4/4/18	0.00506	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	1/29/19	0.00043	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-19	10/22/03	1.99	0.334	0.089	0.115				62.0	554	
MW-19	8/9/04	11.7	2.9	0.408	0.387				44.3	492	
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

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWWQC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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-19	4/23/13										NS--LNAPL
MW-19	10/22/13										NS--LNAPL
MW-19	2/11/14										NS--LNAPL
MW-19	10/27/14										NS--LNAPL
MW-19	2/24/15										NS--LNAPL
MW-19	10/26/15										NS--LNAPL
MW-19	2/29/16										NS--LNAPL
MW-19	8/22/16										NS--LNAPL
MW-19	3/3/17										NS--LNAPL
MW-19	8/30/17										NS--LNAPL
MW-19	4/3/18										NS--LNAPL
MW-19	8/27/18										NS--LNAPL
MW-19	1/29/19										NS--LNAPL
MW-19	12/19/19										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						
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-20	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-20	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-20	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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		

Table 2- Historical Groundwater Analytical Results

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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-21	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-21	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-21	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	252	683	
MW-21	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	263	972	
MW-21	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50	240 B	1100	
MW-22	10/23/07	0.0005 J	<0.0002	<0.0002	<0.0006				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		
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-22	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		116		
MW-22	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	164		
MW-22	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	242		
MW-22	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48	350		
MW-22	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	85.8	452	
MW-22	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	253	792	
MW-22	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	753	2420	
MW-22	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		836	
MW-22	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-23	10/23/07	0.0002 J	<0.0002	<0.0002	<0.0006				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		

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-23	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		151		
MW-23	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-23	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	2/12/14	0.01970	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-23	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-24	10/22/07	0.0026	<0.0002	<0.0002	<0.0006				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		
MW-24	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-24	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-24	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	4/4/18	0.00289	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-25	6/4/15	<0.00100	<0.00200	<0.00100	<0.00100	--	--	<0			
MW-25	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-26	6/4/15	0.11200	<0.00200	<0.00149	<0.00900	--	--	<0			
MW-26	10/29/15	0.03420	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	3/2/17	0.01580	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	8/30/17	0.00639	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-26	1/30/19	0.00112	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
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
EW-1	4/23/13										NS--LNAPL
EW-1	10/22/13										NS--LNAPL
EW-1	2/11/14										NS--LNAPL
EW-1	10/27/14										NS--LNAPL
EW-1	2/24/15										NS--LNAPL
EW-1	10/26/15										NS--LNAPL
EW-1	2/29/16										NS--LNAPL
EW-1	8/23/16	0.451	0.0108	0.0342	0.0694	2.29	2.11	4.40			
EW-1	3/3/17	0.379	0.00957	0.0202	0.0384	3.93	2.98	6.91			
EW-1	8/30/17										NS--LNAPL
EW-1	4/3/18										NS--LNAPL
EW-1	8/27/18										NS--LNAPL
EW-1	1/29/19										NS--LNAPL
EW-1	12/19/19										NS--LNAPL
TW-11	4/5/10	<0.00020	<0.0002	<0.0002	<0.0006						
TW-11	10/5/10	<0.00020	<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-11	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-11	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
TW-11	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-13	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
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-13	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-13	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	4/4/18	0.00292	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	1/29/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
TW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-20	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		53.5		
TW-20	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-20	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-20	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-20	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-20	Plugged & Abandon- April 2020										
Dup-1 (MW-24)	4/16/09	0.077	0.0009 J	0.0028	0.0022 J				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						
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	<0.00100	<0.250	<0.250	15.7			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						
Dup-1 (MW-10)											
Dup-2 (MW-1)											
Dup-1	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup-2	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup03	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-10)	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-1)	10/24/13	6.10	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Trip Blank	10/24/13	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-13)	2/10/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-5)	2/12/14	0.05590	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW-17)	2/14/14	18.80000	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Trip Blank	2/14/14	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-18)	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dup2 (MW-17)	10/30/14	23.4	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dup1 (MW-16)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-7)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW-2)	3/3/15	0.0922	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-7)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup1 (MW-16)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
DUP-2 (MW-26)	10/29/15	0.0397	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-1 (MW-23)	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-2 (MW-26)	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-3 (MW-1)	3/3/16	1.23	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
Dup-1 (MW-23)	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-2 (MW-20)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-3 (MW-25)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-1 (MW-23)	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-2 (MW-24)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-3 (MW-12)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-5)	8/31/17	0.0993	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-6)	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (TW-20)	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-15)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-25)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-7)	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-7)	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-15)	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-24)	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-4)	12/19/19	12.00	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dup (MW-14)	1/30/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (MW-23)	2/1/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (TW-20)	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			

NOTES:

NMWQCC - New Mexico Water Quality Control Commission

mg/L - milligrams per liter

NA - Not Analyzed

J - Reported as an estimate

Cells shaded yellow indicate that concentration exceeds NMWQCC standard. Not sampled due to presence of LNAPL.

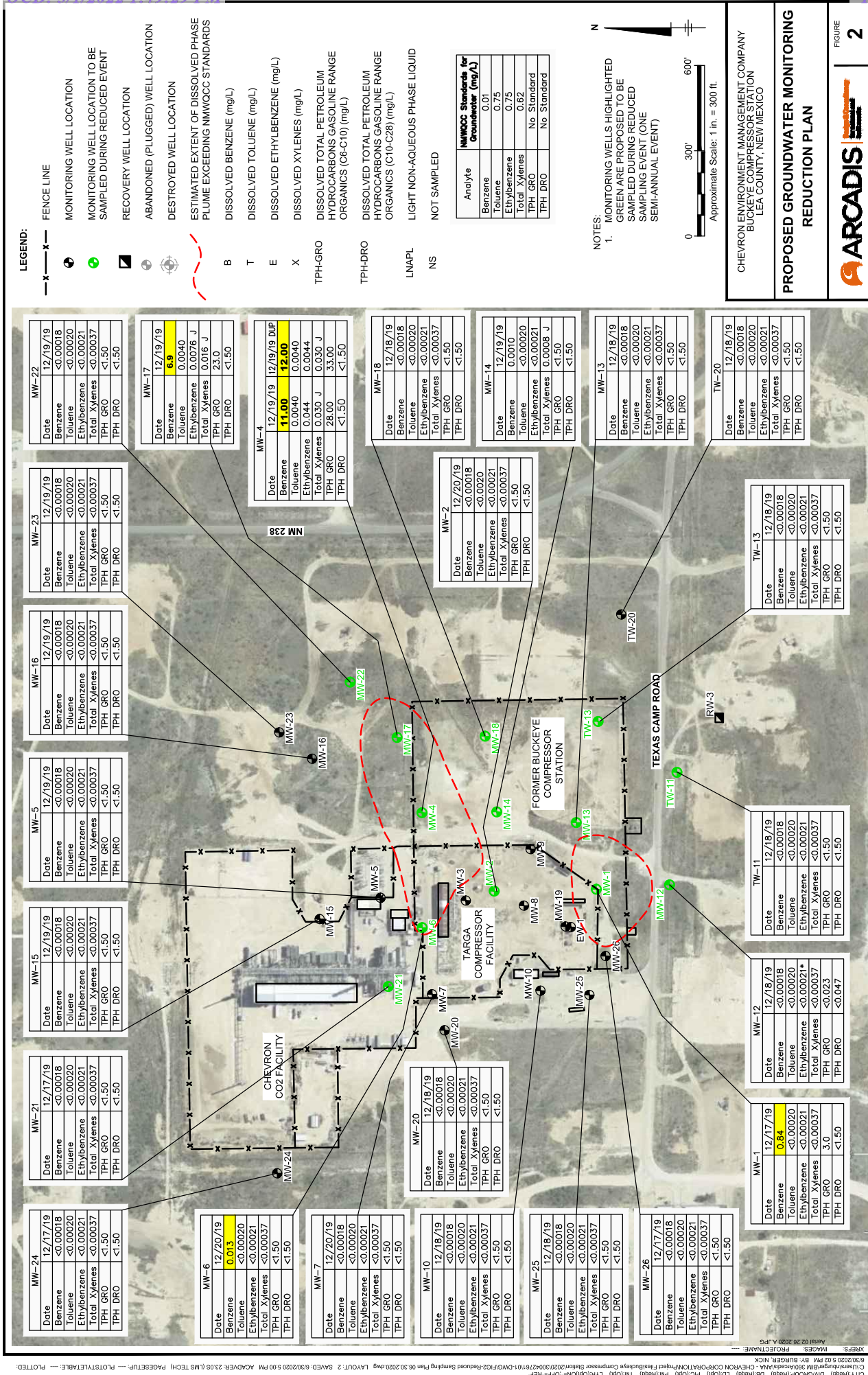
LNAPL - low density non-aqueous liquids.

NS - Not sampled

FIGURES







Appendix C

Field Methodology



FIELD METHODOLOGY

Groundwater Sampling

Field equipment was decontaminated with an Alconox™ wash and distilled water rinse before beginning field activities and between wells. Prior to sampling, static fluid levels were measured to the nearest hundredth of a foot with an electronic oil-water interface probe on the first day of each monitoring event. The 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.

Wells were sampled using low-flow methodology. During purging, the flow rate was adjusted in order to achieve minimal drawdown from the static water level. Temperature, oxidation reduction potential (ORP), pH, conductivity, and dissolved oxygen (DO) were monitored during purging, which continued until at least three of these parameters were stabilized within a 10 percent range for three consecutive measurements. Samples were then collected, labeled, recorded on a chain of custody form, and placed on ice in an insulated cooler to maintain a temperature of approximately 4°C (40°F).

Groundwater samples were submitted by Arcadis under chain-of-custody (COC) protocol to Eurofins Test America Laboratories in Houston, Texas for analysis of BTEX by EPA Method 8021B and TPH diesel range organics (DRO)/ gasoline range organics (GRO) by Method SW8015B. Chain of custody documentation was maintained throughout the sample collection and delivery process. Analyses were completed within required holding times.

Appendix D

Cumulative Summary of Groundwater Potentiometric Elevation Data



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-1	06/19/02	7 7/8"	122.47 - 142.09	140	3990.85	132.49	3858.36	--	--	--	--
MW-1	07/29/02	7 7/8"	122.47 - 142.09	140	3990.85	132.55	3858.30	--	--	--	--
MW-1	10/08/02	7 7/8"	122.47 - 142.09	140	3990.85	132.26	3858.59	--	--	--	--
MW-1	08/11/03	7 7/8"	122.47 - 142.09	140	3990.85	130.33	3860.52	--	--	--	--
MW-1	02/16/05	7 7/8"	122.47 - 142.09	140	3990.85	129.06	3861.79	--	--	--	--
MW-1	04/07/06	7 7/8"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--	--
MW-1	06/29/06	7 7/8"	122.47 - 142.09	140	3990.85	----- not gauged -----					
MW-1	10/12/06	7 7/8"	122.47 - 142.09	140	3990.85	130.37	3860.48	--	--	--	--
MW-1	04/26/07	7 7/8"	122.47 - 142.09	140	3990.85	130.26	3860.59	--	--	--	--
MW-1	10/18/07	7 7/8"	122.47 - 142.09	140	3990.85	130.24	3860.61	--	--	--	--
MW-1	05/21/08	7 7/8"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--	--
MW-1	10/16/08	7 7/8"	122.47 - 142.09	140	3990.85	130.38	3860.47	--	--	--	--
MW-1	04/09/09	7 7/8"	122.47 - 142.09	140	3990.85	130.82	3860.03	--	--	--	--
MW-1	09/29/09	7 7/8"	122.47 - 142.09	140	3990.85	131.30	3859.55	--	--	--	--
MW-1	04/05/10	7 7/8"	122.47 - 142.09	140	3990.85	131.56	3859.29	--	--	--	--
MW-1	10/04/10	7 7/8"	122.47 - 142.09	140	3990.85	131.73	3859.12	--	--	--	--
MW-1	04/18/11	7 7/8"	122.47 - 142.09	140	3990.85	132.15	3858.70	--	--	--	--
MW-1	10/18/11	7 7/8"	122.47 - 142.09	140	3990.85	132.23	3858.62	--	--	--	--
MW-1	04/23/12	7 7/8"	122.47 - 142.09	140	3990.85	132.08	3858.77	--	--	--	--
MW-1	11/05/12	7 7/8"	122.47 - 142.09	140	3990.85	131.74	3859.11	--	--	--	--
MW-1	04/23/13	7 7/8"	122.47 - 142.09	140	3990.85	131.80	3859.05	--	--	--	--
MW-1	10/21/13	7 7/8"	122.47 - 142.09	140	3990.85	132.97	3857.88	--	--	--	--
MW-1	02/11/14	7 7/8"	122.47 - 142.09	140	3990.85	132.76	3858.09	--	--	--	--
MW-1	10/27/14	7 7/8"	122.47 - 142.09	140	3990.85	133.56	3857.29	--	--	--	--
MW-1	02/24/15	7 7/8"	122.47 - 142.09	140	3990.85	133.55	3857.30	--	--	--	--
MW-1	10/26/15	7 7/8"	122.47 - 142.09	140	3990.85	133.88	3856.97	--	--	--	--
MW-1	02/29/16	7 7/8"	122.47 - 142.09	140	3990.85	134.31	3856.54	--	--	--	--
MW-1	08/22/16	7 7/8"	122.47 - 142.09	140	3990.85	134.14	3856.71	--	--	--	--
MW-1	02/28/17	7 7/8"	122.47 - 142.09	140	3990.85	133.50	3857.35	--	--	--	--
MW-1	08/28/17	7 7/8"	122.47 - 142.09	140	3990.85	133.12	3857.73	--	--	--	--
MW-1	04/03/18	7 7/8"	122.47 - 142.09	140	3990.85	133.10	3857.75	--	--	--	--
MW-1	08/27/18	7 7/8"	122.47 - 142.09	140	3990.85	133.62	3857.23	--	--	--	--
MW-1	01/28/19	7 7/8"	122.47 - 142.09	140	3990.85	134.36	3856.49	--	--	--	--
MW-1	12/16/19	7 7/8"	122.47 - 142.09	140.00	3990.85	134.74	3856.11	--	--	--	--
MW-1	04/06/20	7 7/8"	122.47 - 142.09	142.38	3990.85	134.80	3856.05	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-2	06/19/02	7 7/8"	123.27 - 142.89	140	3991.08	132.87	3858.21	--	--	--	--
MW-2	07/29/02	7 7/8"	123.27 - 142.89	140	3991.08	132.92	3858.16	--	--	--	--
MW-2	10/08/02	7 7/8"	123.27 - 142.89	140	3991.08	132.46	3858.62	--	--	--	--
MW-2	08/11/03	7 7/8"	123.27 - 142.89	140	3991.08	130.71	3860.37	--	--	--	--
MW-2	02/16/05	7 7/8"	123.27 - 142.89	140	3991.08	129.43	3861.65	--	--	--	--
MW-2	04/07/06	7 7/8"	123.27 - 142.89	140	3991.08	130.77	3860.31	--	--	--	--
MW-2	06/29/06	7 7/8"	123.27 - 142.89	140	3991.08	131.86	3859.22	--	--	--	--
MW-2	10/12/06	7 7/8"	123.27 - 142.89	140	3991.08	130.85	3860.23	--	--	--	--
MW-2	04/26/07	7 7/8"	123.27 - 142.89	140	3991.08	130.71	3860.37	--	--	--	--
MW-2	10/18/07	7 7/8"	123.27 - 142.89	140	3991.08	130.68	3860.40	--	--	--	--
MW-2	05/21/08	7 7/8"	123.27 - 142.89	140	3991.08	130.68	3860.40	--	--	--	--
MW-2	10/16/08	7 7/8"	123.27 - 142.89	140	3991.08	130.81	3860.27	--	--	--	--
MW-2	04/09/09	7 7/8"	123.27 - 142.89	140	3991.08	131.21	3859.87	--	--	--	--
MW-2	09/29/09	7 7/8"	123.27 - 142.89	140	3991.08	131.68	3859.40	--	--	--	--
MW-2	04/05/10	7 7/8"	123.27 - 142.89	140	3991.08	131.91	3859.17	--	--	--	--
MW-2	10/04/10	7 7/8"	123.27 - 142.89	140	3991.08	132.13	3858.95	--	--	--	--
MW-2	04/18/11	7 7/8"	123.27 - 142.89	140	3991.08	132.55	3858.53	--	--	--	--
MW-2	10/18/11	7 7/8"	123.27 - 142.89	140	3991.08	132.59	3858.49	--	--	--	--
MW-2	04/23/12	7 7/8"	123.27 - 142.89	140	3991.08	132.41	3858.67	--	--	--	--
MW-2	11/05/12	7 7/8"	123.27 - 142.89	140	3991.08	132.20	3858.88	--	--	--	--
MW-2	04/23/13	7 7/8"	123.27 - 142.89	140	3991.08	132.29	3858.79	--	--	--	--
MW-2	10/21/13	7 7/8"	123.27 - 142.89	140	3991.08	133.11	3857.97	--	--	--	--
MW-2	02/11/14	7 7/8"	123.27 - 142.89	140	3991.08	133.11	3857.97	--	--	--	--
MW-2	10/27/14	7 7/8"	123.27 - 142.89	140	3991.08	133.92	3857.16	--	--	--	--
MW-2	02/24/15	7 7/8"	123.27 - 142.89	140	3991.08	133.84	3857.24	--	--	--	--
MW-2	10/26/15	7 7/8"	123.27 - 142.89	140	3991.08	134.32	3856.76	--	--	--	--
MW-2	02/29/16	7 7/8"	123.27 - 142.89	140	3991.08	134.58	3856.50	--	--	--	--
MW-2	08/22/16	7 7/8"	123.27 - 142.89	140	3991.08	134.45	3856.63	--	--	--	--
MW-2	02/28/17	7 7/8"	123.27 - 142.89	140	3991.08	133.80	3857.28	--	--	--	--
MW-2	08/28/17	7 7/8"	123.27 - 142.89	140	3991.08	133.22	3857.86	--	--	--	--
MW-2	04/03/18	7 7/8"	123.27 - 142.89	140	3991.08	133.46	3857.62	--	--	--	--
MW-2	08/27/18	7 7/8"	123.27 - 142.89	140	3991.08	134.00	3857.08	--	--	--	--
MW-2	01/28/19	7 7/8"	123.27 - 142.89	140	3991.08	134.43	3856.65	--	--	--	--
MW-2	12/16/19	7 7/8"	123.27 - 142.89	140	3991.08	135.81	3855.27	--	--	--	--
MW-2	01/30/20	7 7/8"	123.27 - 142.89	143.76	3991.08	135.18	3855.90	--	--	--	--
MW-2	04/06/20	7 7/8"	123.27 - 142.89	142.80	3991.08	135.30	3855.78	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-3	06/19/02	7 7/8"	123.72 - 143.34	140	3991.75	133.52	3858.23	--	--	--	--
MW-3	07/29/02	7 7/8"	123.72 - 143.34	140	3991.75	133.58	3858.17	--	--	--	--
MW-3	10/08/02	7 7/8"	123.72 - 143.34	140	3991.75	133.19	3858.56	--	--	--	--
MW-3	08/11/03	7 7/8"	123.72 - 143.34	140	3991.75	131.36	3860.39	--	--	--	--
MW-3	02/16/05	7 7/8"	123.72 - 143.34	140	3991.75	not gauged		not gauged			
MW-3	04/07/06	7 7/8"	123.72 - 143.34	140	3991.75	131.45	3860.30	--	--	--	--
MW-3	06/29/06	7 7/8"	123.72 - 143.34	140	3991.75	not gauged		not gauged			
MW-3	10/12/06	7 7/8"	123.72 - 143.34	140	3991.75	131.59	3860.16	--	--	--	--
MW-3	04/26/07	7 7/8"	123.72 - 143.34	140	3991.75	131.42	3860.33	--	--	--	--
MW-3	10/18/07	7 7/8"	123.72 - 143.34	140	3991.75	131.43	3860.32	--	--	--	--
MW-3	05/20/08	7 7/8"	123.72 - 143.34	140	3991.75	131.39	3860.36	--	--	--	--
MW-3	10/08/08	7 7/8"	123.72 - 143.34	140	3991.75	131.51	3860.24	--	--	--	--
MW-3	04/09/09	7 7/8"	123.72 - 143.34	140	3991.75	132.94	3858.81	--	--	--	--
MW-3	09/29/09	7 7/8"	123.72 - 143.34	140	3991.75	132.40	3859.35	--	--	--	--
MW-3	04/05/10	7 7/8"	123.72 - 143.34	140	3991.75	132.65	3859.10	--	--	--	--
MW-3	10/04/10	7 7/8"	123.72 - 143.34	140	3991.75	132.82	3858.93	--	--	--	--
MW-3	04/18/11	7 7/8"	123.72 - 143.34	140	3991.75	133.25	3858.50	--	--	--	--
MW-3	10/18/11	7 7/8"	123.72 - 143.34	140	3991.75	133.42	3858.33	--	--	--	--
MW-3	04/23/12	7 7/8"	123.72 - 143.34	140	3991.75	133.15	3858.62	133.12	0.03	--	--
MW-3	11/05/12	7 7/8"	123.72 - 143.34	140	3991.75	133.01	3858.74	--	--	--	--
MW-3	04/15/13	7 7/8"	123.72 - 143.34	140	3991.75	132.77	3858.98	--	--	--	--
MW-3	04/23/13	7 7/8"	123.72 - 143.34	140	3991.75	132.89	3858.86	--	--	--	--
MW-3	10/21/13	7 7/8"	123.72 - 143.34	140	3991.75	133.90	3857.87	133.88	0.02	--	--
MW-3	10/27/14	7 7/8"	123.72 - 143.34	140	3991.75	134.69	3857.17	134.55	0.14	--	--
MW-3	02/11/14	7 7/8"	123.72 - 143.34	140	3991.75	133.87	3857.99	133.73	0.14	--	--
MW-3	10/27/14	7 7/8"	123.72 - 143.34	140	3991.75	134.69	3857.17	134.55	0.14	--	--
MW-3	02/24/15	7 7/8"	123.72 - 143.34	140	3991.75	134.54	3857.24	134.50	0.04	--	--
MW-3	10/26/15	7 7/8"	123.72 - 143.34	140	3991.75	135.19	3856.57	135.18	0.01	--	--
MW-3	01/14/16	7 7/8"	123.72 - 143.34	140	3991.75	135.32	3856.43	--	--	--	--
MW-3	02/29/16	7 7/8"	123.72 - 143.34	140	3991.75	135.21	3856.55	135.20	0.01	--	--
MW-3	08/22/16	7 7/8"	123.72 - 143.34	140	3991.75	135.08	3856.67	--	--	--	--
MW-3	02/28/17	7 7/8"	123.72 - 143.34	140	3991.75	135.10	3857.40	134.10	1.00	--	--
MW-3	06/12/17	7 7/8"	123.72 - 143.34	140	3991.75	134.25	3857.90	133.72	0.53	0.5	--
MW-3	06/26/17	7 7/8"	123.72 - 143.34	140	3991.75	134.04	3858.03	133.62	0.42	0.3	--
MW-3	07/24/17	7 7/8"	123.72 - 143.34	140	3991.75	134.27	3857.97	133.62	0.65	0.5	--
MW-3	08/07/17	7 7/8"	123.72 - 143.34	140	3991.75	--	--	--	--	0.1	--
MW-3	08/28/17	7 7/8"	123.72 - 143.34	140	3991.75	134.36	3857.92	133.66	0.70	0.1	--
MW-3	09/20/17	7 7/8"	123.72 - 143.34	140	3991.75	133.20	3858.55	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-3	10/16/17	7 7/8"	123.72 - 143.34	140	3991.75	134.43	3857.91	133.65	0.78	0.1	--
MW-3	10/31/17	7 7/8"	123.72 - 143.34	140	3991.75	134.56	3857.91	133.60	0.96	0.5	--
MW-3	11/13/17	7 7/8"	123.72 - 143.34	140	3991.75	134.55	3857.88	133.64	0.91	0.5	--
MW-3	11/27/17	7 7/8"	123.72 - 143.34	140	3991.75	134.73	3857.83	133.65	1.08	0.3	--
MW-3	12/11/17	7 7/8"	123.72 - 143.34	140	3991.75	134.65	3857.87	133.63	1.02	0.8	--
MW-3	01/02/18	7 7/8"	123.72 - 143.34	140	3991.75	134.85	3857.76	133.70	1.15	0.5	--
MW-3	01/08/18	7 7/8"	123.72 - 143.34	140	3991.75	134.77	3857.84	133.62	1.15	1.0	--
MW-3	01/24/18	7 7/8"	123.72 - 143.34	140	3991.75	135.01	3857.64	133.81	1.20	0.5	--
MW-3	02/05/18	7 7/8"	123.72 - 143.34	140	3991.75	134.85	3857.93	133.58	1.37	0.3	--
MW-3	02/23/18	7 7/8"	123.72 - 143.34	140	3991.75	134.70	3857.94	133.51	1.19	0.6	--
MW-3	03/05/18	7 7/8"	123.72 - 143.34	140	3991.75	135.15	3857.65	133.75	1.40	1.0	--
MW-3	04/03/18	7 7/8"	123.72 - 143.34	140	3991.75	135.29	3857.61	133.76	1.53	--	--
MW-3	04/16/18	7 7/8"	123.72 - 143.34	140	3991.75	135.20	3857.69	133.69	1.51	0.5	--
MW-3	04/30/18	7 7/8"	123.72 - 143.34	140	3991.75	135.57	3858.22	132.86	2.71	0.4	--
MW-3	05/14/18	7 7/8"	123.72 - 143.34	140	3991.75	135.47	3857.50	133.85	1.62	0.2	--
MW-3	06/01/18	7 7/8"	123.72 - 143.34	140	3991.75	134.54	3857.73	133.85	0.69	0.5	--
MW-3	06/11/18	7 7/8"	123.72 - 143.34	140	3991.75	134.59	3857.69	133.89	0.70	0.5	--
MW-3	06/25/18	7 7/8"	123.72 - 143.34	140	3991.75	136.05	3857.17	134.10	1.95	--	--
MW-3	07/09/18	7 7/8"	123.72 - 143.34	140	3991.75	136.06	3857.13	134.15	1.91	0.3	--
MW-3	07/23/18	7 7/8"	123.72 - 143.34	140	3991.75	136.02	3857.13	134.16	1.86	0.4	--
MW-3	08/06/18	7 7/8"	123.72 - 143.34	140	3991.75	135.84	3857.06	134.31	1.53	0.6	--
MW-3	08/20/18	7 7/8"	123.72 - 143.34	140	3991.75	135.74	3857.07	134.33	1.41	0.1	--
MW-3	08/27/18	7 7/8"	123.72 - 143.34	140	3991.75	135.48	3857.08	134.40	1.08	--	--
MW-3	10/01/18	7 7/8"	123.72 - 143.34	140	3991.75	135.77	3857.18	134.18	1.59	0.75	--
MW-3	10/15/18	7 7/8"	123.72 - 143.34	140	3991.75	135.84	3857.12	134.23	1.61	0.60	--
MW-3	11/13/18	7 7/8"	123.72 - 143.34	140	3991.75	136.16	3857.06	134.21	1.95	0.60	--
MW-3	12/03/18	7 7/8"	123.72 - 143.34	140	3991.75	136.20	3856.94	134.35	1.85	1.00	--
MW-3	12/11/18	7 7/8"	123.72 - 143.34	140	3991.75	135.48	3856.92	134.61	0.87	--	--
MW-3	01/28/19	7 7/8"	123.72 - 143.34	140	3991.75	135.71	3856.68	134.86	0.85	--	--
MW-3	3/5/19	7 7/8"	123.72 - 143.34	140	3991.75	135.45	3856.32	135.42	0.03	--	--
MW-3	3/18/19	7 7/8"	123.72 - 143.34	140	3991.75	135.68	3856.09	135.66	0.02	--	--
MW-3	4/5/19	7 7/8"	123.72 - 143.34	140	3991.75	135.78	3856.03	135.70	0.08	--	--
MW-3	4/18/19	7 7/8"	123.72 - 143.34	140	3991.75	135.97	3855.87	135.85	0.12	--	--
MW-3	4/29/19	7 7/8"	123.72 - 143.34	140	3991.75	135.97	3856.15	135.48	0.49	--	--
MW-3	5/29/19	7 7/8"	123.72 - 143.34	140	3991.75	136.72	3857.63	133.26	3.46	0.30	--
MW-3	6/10/19	7 7/8"	123.72 - 143.34	140	3991.75	136.76	3855.96	135.47	1.29	0.20	--
MW-3	6/24/19	7 7/8"	123.72 - 143.34	140	3991.75	136.75	3856.24	135.10	1.65	0.33	--
MW-3	7/12/19	7 7/8"	123.72 - 143.34	140	3991.75	137.15	3855.92	135.40	1.75	0.40	0.6



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-3	7/22/19	7 7/8"	123.72 - 143.34	140	3991.75	136.94	3855.83	135.58	1.36	0.50	--
MW-3	8/5/19	7 7/8"	123.72 - 143.34	140	3991.75	136.63	3855.91	135.58	1.05	0.10	0.2
MW-3	8/19/19	7 7/8"	123.72 - 143.34	140	3991.75	136.81	3855.83	135.63	1.18	0.20	0.1
MW-3	9/6/19	7 7/8"	123.72 - 143.34	140	3991.75	136.60	3855.89	135.62	0.98	0.10	0.1
MW-3	9/16/19	7 7/8"	123.72 - 143.34	140	3991.75	136.54	3855.98	135.52	1.02	0.10	--
MW-3	9/30/19	7 7/8"	123.72 - 143.34	140	3991.75	136.58	3855.76	135.79	0.79	0.10	--
MW-3	12/16/19	7 7/8"	123.72 - 143.34	140	3991.75	136.74	3855.80	135.69	1.05	--	--
MW-3	01/30/20	7 7/8"	123.72 - 143.34	140	3991.75	136.98	3855.80	135.61	1.37	0.50	--
MW-3	02/12/20	7 7/8"	123.72 - 143.34	140	3991.75	136.18	3855.92	135.72	0.46	<0.25	--
MW-3	02/27/20	7 7/8"	123.72 - 143.34	140	3991.75	136.14	3855.82	135.86	0.28	<0.25	--
MW-3	03/13/20	7 7/8"	123.72 - 143.34	140	3991.75	136.11	3855.78	135.93	0.18	0.50	--
MW-3	03/27/20	7 7/8"	123.72 - 143.34	140	3991.75	136.17	3855.69	136.03	0.14	--	--
MW-3	04/06/20	7 7/8"	123.72 - 143.34	137.36	3991.75	136.08	3855.78	135.94	0.14	--	--
MW-3	04/07/20	7 7/8"	123.72 - 143.34	140	3991.75	136.08	3855.78	135.94	0.14	<0.1	--
MW-3	04/23/20	7 7/8"	123.72 - 143.34	140	3991.75	136.22	3855.70	136.00	0.22	--	--
MW-3	05/12/20	7 7/8"	123.72 - 143.34	140	3991.75	136.38	3855.81	135.80	0.58	--	--
MW-4	06/19/02	7 7/8"	122.47 - 142.09	140	3991.57	134.35	3857.22	--	--	--	--
MW-4	07/29/02	7 7/8"	122.47 - 142.09	140	3991.57	134.25	3857.32	--	--	--	--
MW-4	10/08/02	7 7/8"	122.47 - 142.09	140	3991.57	133.83	3857.74	--	--	--	--
MW-4	08/11/03	7 7/8"	122.47 - 142.09	140	3991.57	131.78	3859.79	--	--	--	--
MW-4	02/16/05	7 7/8"	122.47 - 142.09	140	3991.57	130.25	3861.32	--	--	--	--
MW-4	04/07/06	7 7/8"	122.47 - 142.09	140	3991.57	132.14	3859.43	--	--	--	--
MW-4	06/29/06	7 7/8"	122.47 - 142.09	140	3991.57	132.22	3859.35	--	--	--	--
MW-4	10/12/06	7 7/8"	122.47 - 142.09	140	3991.57	132.61	3858.96	--	--	--	--
MW-4	04/26/07	7 7/8"	122.47 - 142.09	140	3991.57	131.97	3859.60	--	--	--	--
MW-4	10/18/07	7 7/8"	122.47 - 142.09	140	3991.57	131.95	3859.62	--	--	--	--
MW-4	05/19/08	7 7/8"	122.47 - 142.09	140	3991.57	131.88	3859.69	--	--	--	--
MW-4	10/20/08	7 7/8"	122.47 - 142.09	140	3991.57	132.02	3859.55	--	--	--	--
MW-4	04/09/09	7 7/8"	122.47 - 142.09	140	3991.57	132.45	3859.12	--	--	--	--
MW-4	09/29/09	7 7/8"	122.47 - 142.09	140	3991.57	132.90	3858.67	--	--	--	--
MW-4	04/05/10	7 7/8"	122.47 - 142.09	140	3991.57	133.19	3858.38	--	--	--	--
MW-4	10/04/10	7 7/8"	122.47 - 142.09	140	3991.57	133.45	3858.12	--	--	--	--
MW-4	04/18/11	7 7/8"	122.47 - 142.09	140	3991.57	133.85	3857.72	--	--	--	--
MW-4	10/18/11	7 7/8"	122.47 - 142.09	140	3991.57	133.92	3857.65	--	--	--	--
MW-4	04/23/12	7 7/8"	122.47 - 142.09	140	3991.57	133.49	3858.08	--	--	--	--
MW-4	11/05/12	7 7/8"	122.47 - 142.09	140	3991.57	133.20	3858.37	--	--	--	--
MW-4	04/23/13	7 7/8"	122.47 - 142.09	140	3991.57	133.28	3858.29	--	--	--	--
MW-4	10/21/13	7 7/8"	122.47 - 142.09	140	3991.57	134.27	3857.30	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-4	02/11/14	7 7/8"	122.47 - 142.09	140	3991.57	134.44	3857.13	--	--	--	--
MW-4	10/27/14	7 7/8"	122.47 - 142.09	140	3991.57	135.40	3856.17	--	--	--	--
MW-4	02/24/15	7 7/8"	122.47 - 142.09	140	3991.57	135.41	3856.16	--	--	--	--
MW-4	10/26/15	7 7/8"	122.47 - 142.09	140	3991.57	136.01	3855.56	--	--	--	--
MW-4	02/29/16	7 7/8"	122.47 - 142.09	140	3991.57	136.05	3855.52	--	--	--	--
MW-4	08/22/16	7 7/8"	122.47 - 142.09	140	3991.57	135.60	3855.97	--	--	--	--
MW-4	02/28/17	7 7/8"	122.47 - 142.09	140	3991.57	134.90	3856.67	--	--	--	--
MW-4	08/28/17	7 7/8"	122.47 - 142.09	140	3991.57	134.22	3857.35	--	--	--	--
MW-4	04/03/18	7 7/8"	122.47 - 142.09	140	3991.57	134.64	3856.93	--	--	--	--
MW-4	08/27/18	7 7/8"	122.47 - 142.09	140	3991.57	135.09	3856.48	--	--	--	--
MW-4	01/28/19	7 7/8"	122.47 - 142.09	140	3991.57	135.81	3855.76	--	--	--	--
MW-4	12/16/19	7 7/8"	122.47 - 142.09	140	3991.57	136.80	3854.77	--	--	--	--
MW-4	04/06/20	7 7/8"	122.47 - 142.09	143.54	3991.57	136.82	3854.75	--	--	--	--
MW-5	06/19/02	7 7/8"	125.97 - 142.59	143	3992.12	134.05	3858.07	--	--	--	--
MW-5	07/29/02	7 7/8"	125.97 - 142.59	143	3992.12	134.06	3858.06	--	--	--	--
MW-5	10/08/02	7 7/8"	125.97 - 142.59	143	3992.12	133.73	3858.39	--	--	--	--
MW-5	08/11/03	7 7/8"	125.97 - 142.59	143	3992.12	131.91	3860.21	--	--	--	--
MW-5	02/16/05	7 7/8"	125.97 - 142.59	143	3992.12	130.86	3861.26	--	--	--	--
MW-5	04/07/06	7 7/8"	125.97 - 142.59	143	3992.12	132.04	3860.08	--	--	--	--
MW-5	06/29/06	7 7/8"	125.97 - 142.59	143	3992.12	132.18	3859.94	--	--	--	--
MW-5	10/12/06	7 7/8"	125.97 - 142.59	143	3992.12	132.13	3859.99	--	--	--	--
MW-5	04/26/07	7 7/8"	125.97 - 142.59	143	3992.12	132.00	3860.12	--	--	--	--
MW-5	10/18/07	7 7/8"	125.97 - 142.59	143	3992.12	132.04	3860.08	--	--	--	--
MW-5	05/20/08	7 7/8"	125.97 - 142.59	143	3992.12	131.98	3860.14	--	--	--	--
MW-5	10/20/08	7 7/8"	125.97 - 142.59	143	3992.12	131.96	3860.16	--	--	--	--
MW-5	04/09/09	7 7/8"	125.97 - 142.59	143	3992.12	132.36	3859.76	--	--	--	--
MW-5	09/29/09	7 7/8"	125.97 - 142.59	143	3992.12	132.90	3859.22	--	--	--	--
MW-5	04/05/10	7 7/8"	125.97 - 142.59	143	3992.12	133.08	3859.04	--	--	--	--
MW-5	10/04/10	7 7/8"	125.97 - 142.59	143	3992.12	133.30	3858.82	--	--	--	--
MW-5	04/18/11	7 7/8"	125.97 - 142.59	143	3992.12	133.67	3858.45	--	--	--	--
MW-5	10/18/11	7 7/8"	125.97 - 142.59	143	3992.12	133.73	3858.39	--	--	--	--
MW-5	04/23/12	7 7/8"	125.97 - 142.59	143	3992.12	133.55	3858.57	--	--	--	--
MW-5	11/05/12	7 7/8"	125.97 - 142.59	143	3992.12	133.24	3858.88	--	--	--	--
MW-5	04/23/13	7 7/8"	125.97 - 142.59	143	3992.12	133.33	3858.79	--	--	--	--
MW-5	10/21/13	7 7/8"	125.97 - 142.59	143	3992.12	134.08	3858.04	--	--	--	--
MW-5	02/11/14	7 7/8"	125.97 - 142.59	143	3992.12	134.24	3857.88	--	--	--	--
MW-5	10/27/14	7 7/8"	125.97 - 142.59	143	3992.12	135.13	3856.99	--	--	--	--
MW-5	02/24/15	7 7/8"	125.97 - 142.59	143	3992.12	135.11	3857.01	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-5	10/26/15	7 7/8"	125.97 - 142.59	143	3992.12	135.61	3856.51	--	--	--	--
MW-5	02/29/16	7 7/8"	125.97 - 142.59	143	3992.12	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----
MW-5	08/22/16	7 7/8"	125.97 - 142.59	143	3992.12	135.42	3856.70	--	--	--	--
MW-5	02/28/17	7 7/8"	125.97 - 142.59	143	3992.12	134.90	3857.22	--	--	--	--
MW-5	08/28/17	7 7/8"	125.97 - 142.59	143	3992.12	134.20	3857.92	--	--	--	--
MW-5	04/03/18	7 7/8"	125.97 - 142.59	143	3992.12	134.49	3857.63	--	--	--	--
MW-5	08/27/18	7 7/8"	125.97 - 142.59	143	3992.12	135.70	3856.42	--	--	--	--
MW-5	01/28/19	7 7/8"	125.97 - 142.59	143	3992.12	135.63	3856.49	--	--	--	--
MW-5	12/16/19	7 7/8"	125.97 - 142.59	143	3992.12	136.59	3855.53	--	--	--	--
MW-5	04/06/20	7 7/8"	125.97 - 142.59	144.98	3992.12	136.68	3855.44	--	--	--	--
MW-6	06/19/02	7 7/8"	122.37 - 141.99	140	3991.94	133.58	3858.36	--	--	--	--
MW-6	07/29/02	7 7/8"	122.37 - 141.99	140	3991.94	133.61	3858.33	--	--	--	--
MW-6	10/08/02	7 7/8"	122.37 - 141.99	140	3991.94	132.29	3859.65	--	--	--	--
MW-6	08/11/03	7 7/8"	122.37 - 141.99	140	3991.94	131.59	3860.35	--	--	--	--
MW-6	02/16/05	7 7/8"	122.37 - 141.99	140	3991.94	130.35	3861.59	--	--	--	--
MW-6	04/07/06	7 7/8"	122.37 - 141.99	140	3991.94	131.57	3860.37	--	--	--	--
MW-6	06/29/06	7 7/8"	122.37 - 141.99	140	3991.94	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----
MW-6	10/12/06	7 7/8"	122.37 - 141.99	140	3991.94	131.69	3860.25	--	--	--	--
MW-6	04/26/07	7 7/8"	122.37 - 141.99	140	3991.94	131.58	3860.36	--	--	--	--
MW-6	10/18/07	7 7/8"	122.37 - 141.99	140	3991.94	131.60	3860.34	--	--	--	--
MW-6	05/20/08	7 7/8"	122.37 - 141.99	140	3991.94	131.52	3860.42	--	--	--	--
MW-6	10/16/08	7 7/8"	122.37 - 141.99	140	3991.94	131.67	3860.27	--	--	--	--
MW-6	04/09/09	7 7/8"	122.37 - 141.99	140	3991.94	132.00	3859.94	--	--	--	--
MW-6	09/29/09	7 7/8"	122.37 - 141.99	140	3991.94	132.40	3859.54	--	--	--	--
MW-6	04/05/10	7 7/8"	122.37 - 141.99	140	3991.94	132.16	3859.78	--	--	--	--
MW-6	10/04/10	7 7/8"	122.37 - 141.99	140	3991.94	132.84	3859.10	--	--	--	--
MW-6	04/18/11	7 7/8"	122.37 - 141.99	140	3991.94	133.20	3858.74	--	--	--	--
MW-6	10/18/11	7 7/8"	122.37 - 141.99	140	3991.94	133.34	3858.60	--	--	--	--
MW-6	04/23/12	7 7/8"	122.37 - 141.99	140	3991.94	133.21	3858.73	--	--	--	--
MW-6	11/05/12	7 7/8"	122.37 - 141.99	140	3991.94	132.25	3859.69	--	--	--	--
MW-6	04/23/13	7 7/8"	122.37 - 141.99	140	3991.94	132.97	3858.97	--	--	--	--
MW-6	10/21/13	7 7/8"	122.37 - 141.99	140	3991.94	133.68	3858.26	--	--	--	--
MW-6	02/11/14	7 7/8"	122.37 - 141.99	140	3991.94	133.80	3858.14	--	--	--	--
MW-6	10/27/14	7 7/8"	122.37 - 141.99	140	3991.94	134.62	3857.32	--	--	--	--
MW-6	02/24/15	7 7/8"	122.37 - 141.99	140	3991.94	134.55	3857.39	--	--	--	--
MW-6	10/26/15	7 7/8"	122.37 - 141.99	140	3991.94	135.00	3856.94	--	--	--	--
MW-6	02/29/16	7 7/8"	122.37 - 141.99	140	3991.94	135.24	3856.70	--	--	--	--
MW-6	08/22/16	7 7/8"	122.37 - 141.99	140	3991.94	135.10	3856.84	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-6	02/28/17	7 7/8"	122.37 - 141.99	140	3991.94	134.90	3857.04	--	--	--	--
MW-6	08/28/17	7 7/8"	122.37 - 141.99	140	3991.94	133.88	3858.06	--	--	--	--
MW-6	04/03/18	7 7/8"	122.37 - 141.99	140	3991.94	134.21	3857.73	--	--	--	--
MW-6	08/27/18	7 7/8"	122.37 - 141.99	140	3991.94	134.65	3857.29	--	--	--	--
MW-6	01/28/19	7 7/8"	122.37 - 141.99	140	3991.94	135.10	3856.84	--	--	--	--
MW-6	12/16/19	7 7/8"	122.37 - 141.99	140	3991.94	136.10	3855.84	--	--	--	--
MW-6	04/06/20	7 7/8"	122.37 - 141.99	143.40	3991.94	136.10	3855.84	--	--	--	--
MW-7	06/19/02	7 7/8"	122.17 - 141.79	140	3992.89	133.94	3858.95	--	--	--	--
MW-7	07/29/02	7 7/8"	122.17 - 141.79	140	3992.89	134.03	3858.86	--	--	--	--
MW-7	10/08/02	7 7/8"	122.17 - 141.79	140	3992.89	133.81	3859.08	--	--	--	--
MW-7	08/11/03	7 7/8"	122.17 - 141.79	140	3992.89	132.26	3860.63	--	--	--	--
MW-7	02/16/05	7 7/8"	122.17 - 141.79	140	3992.89	130.91	3861.98	--	--	--	--
MW-7	04/07/06	7 7/8"	122.17 - 141.79	140	3992.89	132.06	3860.83	--	--	--	--
MW-7	06/29/06	7 7/8"	122.17 - 141.79	140	3992.89	----- not gauged -----					
MW-7	10/12/06	7 7/8"	122.17 - 141.79	140	3992.89	132.22	3860.67	--	--	--	--
MW-7	04/26/07	7 7/8"	122.17 - 141.79	140	3992.89	132.14	3860.75	--	--	--	--
MW-7	10/18/07	7 7/8"	122.17 - 141.79	140	3992.89	132.19	3860.70	--	--	--	--
MW-7	05/20/08	7 7/8"	122.17 - 141.79	140	3992.89	132.16	3860.73	--	--	--	--
MW-7	10/15/08	7 7/8"	122.17 - 141.79	140	3992.89	132.25	3860.64	--	--	--	--
MW-7	04/09/09	7 7/8"	122.17 - 141.79	140	3992.89	132.58	3860.31	--	--	--	--
MW-7	09/29/09	7 7/8"	122.17 - 141.79	140	3992.89	133.01	3859.88	--	--	--	--
MW-7	04/05/10	7 7/8"	122.17 - 141.79	140	3992.89	133.16	3859.73	--	--	--	--
MW-7	10/04/10	7 7/8"	122.17 - 141.79	140	3992.89	133.34	3859.55	--	--	--	--
MW-7	04/18/11	7 7/8"	122.17 - 141.79	140	3992.89	133.75	3859.14	--	--	--	--
MW-7	10/18/11	7 7/8"	122.17 - 141.79	140	3992.89	133.77	3859.12	--	--	--	--
MW-7	04/23/12	7 7/8"	122.17 - 141.79	140	3992.89	133.74	3859.15	--	--	--	--
MW-7	11/05/12	7 7/8"	122.17 - 141.79	140	3992.89	133.48	3859.41	--	--	--	--
MW-7	04/23/13	7 7/8"	122.17 - 141.79	140	3992.89	133.64	3859.25	--	--	--	--
MW-7	10/21/13	7 7/8"	122.17 - 141.79	140	3992.89	134.18	3858.71	--	--	--	--
MW-7	02/11/14	7 7/8"	122.17 - 141.79	140	3992.89	134.28	3858.61	--	--	--	--
MW-7	10/27/14	7 7/8"	122.17 - 141.79	140	3992.89	134.95	3857.94	--	--	--	--
MW-7	02/24/15	7 7/8"	122.17 - 141.79	140	3992.89	134.89	3858.00	--	--	--	--
MW-7	10/26/15	7 7/8"	122.17 - 141.79	140	3992.89	135.33	3857.56	--	--	--	--
MW-7	02/29/16	7 7/8"	122.17 - 141.79	140	3992.89	135.55	3857.34	--	--	--	--
MW-7	08/22/16	7 7/8"	122.17 - 141.79	140	3992.89	135.53	3857.36	--	--	--	--
MW-7	02/28/17	7 7/8"	122.17 - 141.79	140	3992.89	134.85	3858.04	--	--	--	--
MW-7	08/28/17	7 7/8"	122.17 - 141.79	140	3992.89	134.46	3858.43	--	--	--	--
MW-7	04/03/18	7 7/8"	122.17 - 141.79	140	3992.89	134.79	3858.10	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-7	08/27/18	7 7/8"	122.17 - 141.79	140	3992.89	135.15	3857.74	--	--	--	--
MW-7	01/28/19	7 7/8"	122.17 - 141.79	140	3992.89	135.49	3857.40	--	--	--	--
MW-7	12/16/19	7 7/8"	122.17 - 141.79	140	3992.89	136.50	3856.39	--	--	--	--
MW-7	04/06/20	7 7/8"	122.17 - 141.79	141.94	3992.89	136.47	3856.42	--	--	--	--
MW-8	06/19/02	7 7/8"	123.57 - 143.19	140	3991.27	132.81	3858.46	--	--	--	--
MW-8	07/29/02	7 7/8"	123.57 - 143.19	140	3991.27	132.93	3858.34	--	--	--	--
MW-8	10/08/02	7 7/8"	123.57 - 143.19	140	3991.27	132.20	3859.07	--	--	--	--
MW-8	08/11/03	7 7/8"	123.57 - 143.19	140	3991.27	130.78	3860.49	--	--	--	--
MW-8	02/16/05	7 7/8"	123.57 - 143.19	140	3991.27	129.53	3861.74	--	--	--	--
MW-8	04/07/06	7 7/8"	123.57 - 143.19	140	3991.27	130.80	3860.47	--	--	--	--
MW-8	06/29/06	7 7/8"	123.57 - 143.19	140	3991.27	130.88	3860.39	--	--	--	--
MW-8	10/12/06	7 7/8"	123.57 - 143.19	140	3991.27	130.89	3860.38	--	--	--	--
MW-8	04/26/07	7 7/8"	123.57 - 143.19	140	3991.27	130.75	3860.52	--	--	--	--
MW-8	10/18/07	7 7/8"	123.57 - 143.19	140	3991.27	130.73	3860.54	--	--	--	--
MW-8	05/21/08	7 7/8"	123.57 - 143.19	140	3991.27	130.22	3861.05	--	--	--	--
MW-8	10/16/08	7 7/8"	123.57 - 143.19	140	3991.27	130.84	3860.43	--	--	--	--
MW-8	04/09/09	7 7/8"	123.57 - 143.19	140	3991.27	131.28	3859.99	--	--	--	--
MW-8	09/29/09	7 7/8"	123.57 - 143.19	140	3991.27	131.75	3859.52	--	--	--	--
MW-8	04/05/10	7 7/8"	123.57 - 143.19	140	3991.27	131.96	3859.31	--	--	--	--
MW-8	10/04/10	7 7/8"	123.57 - 143.19	140	3991.27	135.46	3855.81	--	--	--	--
MW-8	03/30/11	7 7/8"	123.57 - 143.19	140	3991.27	135.80	3858.73	131.47	4.33	2.5	0.50
MW-8	04/07/11	7 7/8"	123.57 - 143.19	140	3991.27	134.37	3858.65	132.04	2.33	0.5	1.00
MW-8	04/13/11	7 7/8"	123.57 - 143.19	140	3991.27	133.85	3858.59	132.30	1.55	0.3	0.75
MW-8	04/18/11	7 7/8"	123.57 - 143.19	140	3991.27	not gauged					--
MW-8	05/03/11	7 7/8"	123.57 - 143.19	140	3991.27	135.70	3858.61	131.66	4.04	1.2	0.10
MW-8	05/10/11	7 7/8"	123.57 - 143.19	140	3991.27	134.68	3858.58	132.04	2.64	0.5	1.00
MW-8	05/17/11	7 7/8"	123.57 - 143.19	140	3991.27	134.24	3858.64	132.10	2.14	0.8	0.25
MW-8	05/24/11	7 7/8"	123.57 - 143.19	140	3991.27	134.17	3858.57	132.21	1.96	--	--
MW-8	06/28/11	7 7/8"	123.57 - 143.19	140	3991.27	133.69	3858.50	132.47	1.22	0.1	0.50
MW-8	08/24/11	7 7/8"	123.57 - 143.19	140	3991.27	135.84	3858.44	131.84	4.00	2.5	0.50
MW-8	08/25/11	7 7/8"	123.57 - 143.19	140	3991.27	134.54	3858.38	132.34	2.20	1.3	0.25
MW-8	10/18/11	7 7/8"	123.57 - 143.19	140	3991.27	134.64	3858.23	132.51	2.13	2.0	0
MW-8	02/01/12	7 7/8"	123.57 - 143.19	140	3991.27	135.77	3858.62	131.62	4.15	1.8	0.2
MW-8	02/16/12	7 7/8"	123.57 - 143.19	140	3991.27	135.43	3858.82	131.47	3.96	1.5	0
MW-8	02/28/12	7 7/8"	123.57 - 143.19	140	3991.27	135.49	3858.75	131.54	3.95	1.5	0.5
MW-8	03/12/12	7 7/8"	123.57 - 143.19	140	3991.27	135.63	3858.67	131.60	4.03	1.5	0
MW-8	03/29/12	7 7/8"	123.57 - 143.19	140	3991.27	135.63	3858.70	131.56	4.07	1.0	0.5
MW-8	04/10/12	7 7/8"	123.57 - 143.19	140	3991.27	135.59	3858.75	131.51	4.08	1.0	0.5



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-8	04/23/12	7 7/8"	123.57 -143.19	140	3991.27	135.47	3858.73	131.58	3.89	--	--
MW-8	05/08/12	7 7/8"	123.57 -143.19	140	3991.27	135.38	3858.79	131.52	3.86	1.2	0
MW-8	05/21/12	7 7/8"	123.57 -143.19	140	3991.27	135.23	3858.90	131.43	3.80	1.8	0.2
MW-8	06/04/12	7 7/8"	123.57 -143.19	140	3991.27	135.14	3858.86	131.51	3.63	1.5	0
MW-8	06/18/12	7 7/8"	123.57 -143.19	140	3991.27	135.04	3858.93	131.45	3.59	2.0	0.5
MW-8	07/03/12	7 7/8"	123.57 -143.19	140	3991.27	135.21	3858.86	131.49	3.72	2.0	1
MW-8	07/16/12	7 7/8"	123.57 -143.19	140	3991.27	135.10	3858.93	131.43	3.67	4.0	0
MW-8	08/02/12	7 7/8"	123.57 -143.19	140	3991.27	134.88	3858.95	131.48	3.40	3.5	0
MW-8	08/17/12	7 7/8"	123.57 -143.19	140	3991.27	134.83	3858.97	131.47	3.36	0.0	0
MW-8	08/28/12	7 7/8"	123.57 -143.19	140	3991.27	134.69	3859.11	131.33	3.36	2.5	0
MW-8	09/21/12	7 7/8"	123.57 -143.19	140	3991.27	134.70	3859.14	131.28	3.42	1.5	0.5
MW-8	09/24/12	7 7/8"	123.57 -143.19	140	3991.27	134.58	3859.21	131.23	3.35	1.6	0.6
MW-8	10/08/12	7 7/8"	123.57 -143.19	140	3991.27	134.65	3859.15	131.29	3.36	1.5	0
MW-8	10/22/12	7 7/8"	123.57 -143.19	140	3991.27	134.79	3859.09	131.32	3.47	1.5	0
MW-8	11/05/12	7 7/8"	123.57 -143.19	140	3991.27	134.66	3859.13	131.31	3.35	0.0	0
MW-8	11/20/12	7 7/8"	123.57 -143.19	140	3991.27	134.82	3859.02	131.40	3.42	2.5	0
MW-8	01/08/13	7 7/8"	123.57 -143.19	140	3991.27	134.89	3859.84	130.29	4.60	2.5	0
MW-8	01/21/13	7 7/8"	123.57 -143.19	140	3991.27	134.85	3859.32	131.00	3.85	1.5	0
MW-8	01/30/13	7 7/8"	123.57 -143.19	140	3991.27	134.36	3859.23	131.28	3.08	1.0	--
MW-8	02/13/13	7 7/8"	123.57 -143.19	140	3991.27	134.68	3859.21	131.19	3.49	--	--
MW-8	02/18/13	7 7/8"	123.57 -143.19	140	3991.27	135.05	3859.01	131.34	3.71	1.5	0.4
MW-8	03/04/13	7 7/8"	123.57 -143.19	140	3991.27	134.81	3859.31	131.02	3.79	--	--
MW-8	03/18/13	7 7/8"	123.57 -143.19	140	3991.27	135.05	3859.07	131.26	3.79	2.3	0.25
MW-8	04/01/13	7 7/8"	123.57 -143.19	140	3991.27	134.70	3859.13	131.29	3.41	1.5	0.1
MW-8	04/15/13	7 7/8"	123.57 -143.19	140	3991.27	134.98	3859.16	131.17	3.81	1.8	0.25
MW-8	04/23/13	7 7/8"	123.57 -143.19	140	3991.27	135.37	3858.99	131.26	4.11	--	--
MW-8	04/29/13	7 7/8"	123.57 -143.19	140	3991.27	134.97	3859.19	131.13	3.84	2.0	0.25
MW-8	05/15/13	7 7/8"	123.57 -143.19	140	3991.27	135.08	3859.13	131.17	3.91	1.8	0.25
MW-8	05/28/13	7 7/8"	123.57 -143.19	140	3991.27	135.22	3859.07	131.21	4.01	1.8	0.25
MW-8	06/12/13	7 7/8"	123.57 -143.19	140	3991.27	135.24	3859.07	131.20	4.04	2.5	--
MW-8	06/26/13	7 7/8"	123.57 -143.19	140	3991.27	135.32	3859.01	131.25	4.07	2.5	0.25
MW-8	07/24/13	7 7/8"	123.57 -143.19	140	3991.27	135.70	3858.79	131.42	4.28	2.0	0
MW-8	08/06/13	7 7/8"	123.57 -143.19	140	3991.27	135.91	3858.67	131.51	4.40	2.0	0.5
MW-8	08/21/13	7 7/8"	123.57 -143.19	140	3991.27	135.94	3858.44	131.81	4.13	2.5	--
MW-8	09/03/13	7 7/8"	123.57 -143.19	140	3991.27	135.91	3858.43	131.83	4.08	2.5	--
MW-8	09/18/13	7 7/8"	123.57 -143.19	140	3991.27	135.96	3858.44	131.80	4.16	2.5	--
MW-8	09/23/13	7 7/8"	123.57 -143.19	140	3991.27	135.82	3858.18	132.19	3.63	--	--
MW-8	09/23/13	7 7/8"	123.57 -143.19	140	3991.27	133.29	3858.30	132.87		--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-8	10/02/13	7 7/8"	123.57 -143.19	140	3991.27	134.73	3858.13	132.62	2.11	1.5	--
MW-8	10/16/13	7 7/8"	123.57 -143.19	140	3991.27	134.73	3858.02	132.76	1.97	1.0	--
MW-8	10/21/13	7 7/8"	123.57 -143.19	140	3991.27	134.13	3858.12	132.83	1.30	--	--
MW-8	10/30/13	7 7/8"	123.57 -143.19	140	3991.27	134.53	3857.94	132.94	1.59	1.0	--
MW-8	11/13/13	7 7/8"	123.57 -143.19	140	3991.27	134.38	3858.05	132.84	1.54	1.0	--
MW-8	12/04/13	7 7/8"	123.57 -143.19	140	3991.27	134.63	3858.14	132.63	2.00	1.5	--
MW-8	12/12/13	7 7/8"	123.57 -143.19	140	3991.27	134.90	3858.05	132.66	2.24	2.0	--
MW-8	12/30/13	7 7/8"	123.57 -143.19	140	3991.27	134.74	3858.12	132.62	2.12	0.8	--
MW-8	02/11/14	7 7/8"	123.57 -143.19	140	3991.27	135.20	3858.09	132.51	2.69	--	--
MW-8	02/12/14	7 7/8"	123.57 -143.19	140	3991.27	135.25	3858.09	132.50	2.75	--	--
MW-8	02/25/14	7 7/8"	123.57 -143.19	140	3991.27	134.91	3857.89	132.88	2.03	0.8	0.5
MW-8	03/13/14	7 7/8"	123.57 -143.19	140	3991.27	134.73	3857.95	132.86	1.87	1.0	NA
MW-8	03/27/14	7 7/8"	123.57 -143.19	140	3991.27	135.09	3857.77	132.98	2.11	1.0	--
MW-8	04/10/14	7 7/8"	123.57 -143.19	140	3991.27	135.64	3857.74	132.84	2.80	1.0	--
MW-8	04/24/14	7 7/8"	123.57 -143.19	140	3991.27	135.91	3857.62	132.90	3.01	1.5	--
MW-8	05/08/14	7 7/8"	123.57 -143.19	140	3991.27	136.01	3857.66	132.82	3.19	1.5	--
MW-8	06/19/14	7 7/8"	123.57 -143.19	140	3991.27	136.04	3857.62	132.86	3.18	1.5	--
MW-8	07/03/14	7 7/8"	123.57 -143.19	140	3991.27	136.03	3857.61	132.88	3.15	1.5	--
MW-8	08/01/14	7 7/8"	123.57 -143.19	140	3991.27	135.90	3857.63	132.90	3.00	1.5	--
MW-8	08/28/14	7 7/8"	123.57 -143.19	140	3991.27	135.88	3857.55	133.01	2.87	1.0	--
MW-8	09/11/14	7 7/8"	123.57 -143.19	140	3991.27	135.42	3857.38	133.38	2.04	2.0	--
MW-8	09/25/14	7 7/8"	123.57 -143.19	140	3991.27	135.91	3857.31	133.32	2.59	1.8	--
MW-8	10/24/14	7 7/8"	123.57 -143.19	140	3991.27	135.96	3857.27	133.36	2.60	1.5	--
MW-8	10/27/14	7 7/8"	123.57 -143.19	140	3991.27	135.86	3856.96	133.80	2.06	--	--
MW-8	01/13/15	7 7/8"	123.57 -143.19	140	3991.27	136.21	3857.19	133.38	2.83	1.0	--
MW-8	01/29/15	7 7/8"	123.57 -143.19	140	3991.27	136.72	3857.31	133.05	3.67	1.5	--
MW-8	02/10/15	7 7/8"	123.57 -143.19	140	3991.27	135.75	3857.17	133.55	2.20	1.0	--
MW-8	02/24/15	7 7/8"	123.57 -143.19	140	3991.27	135.70	3857.37	133.30	2.40	1.0	0.25
MW-8	03/12/15	7 7/8"	123.57 -143.19	140	3991.27	136.13	3857.09	133.54	2.59	1.0	--
MW-8	03/26/15	7 7/8"	123.57 -143.19	140	3991.27	136.26	3857.01	133.60	2.66	2.2	--
MW-8	04/09/15	7 7/8"	123.57 -143.19	140	3991.27	136.26	3857.04	133.56	2.70	1.0	--
MW-8	04/21/15	7 7/8"	123.57 -143.19	140	3991.27	136.23	3857.03	133.58	2.65	0.5	--
MW-8	05/06/15	7 7/8"	123.57 -143.19	140	3991.27	136.22	3857.07	133.53	2.69	2.0	--
MW-8	05/21/15	7 7/8"	123.57 -143.19	140	3991.27	136.14	3857.02	133.63	2.51	1.3	--
MW-8	06/04/15	7 7/8"	123.57 -143.19	140	3991.27	136.24	3857.04	133.57	2.67	0.8	--
MW-8	07/02/15	7 7/8"	123.57 -143.19	140	3991.27	136.39	3856.91	133.69	2.70	1.5	--
MW-8	07/16/15	7 7/8"	123.57 -143.19	140	3991.27	136.57	3856.82	133.75	2.82	1.5	--
MW-8	07/30/15	7 7/8"	123.57 -143.19	140	3991.27	134.73	3856.80	134.38		0.2	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-8	08/27/15	7 7/8"	123.57 -143.19	140	3991.27	136.58	3856.80	133.78	2.80	23.6	1620
MW-8	09/10/15	7 7/8"	123.57 -143.19	140	3991.27	135.40	3856.69	134.31		0.3	--
MW-8	09/25/15	7 7/8"	123.57 -143.19	140	3991.27	136.36	3856.75	133.91	2.45	2.9	--
MW-8	10/08/15	7 7/8"	123.57 -143.19	140	3991.27			not gauged		--	--
MW-8	10/26/15	7 7/8"	123.57 -143.19	140	3991.27	136.20	3856.95	133.70	2.50	--	--
MW-8	11/05/15	7 7/8"	123.57 -143.19	140	3991.27	136.56	3856.74	133.86	2.70	1.0	--
MW-8	12/10/15	7 7/8"	123.57 -143.19	140	3991.27	136.78	3857.02	133.41	3.37	8.1	2340
MW-8	01/14/16	7 7/8"	123.57 -143.19	140	3991.27	135.20	3856.07	134.40		0.5	--
MW-8	02/25/16	7 7/8"	123.57 -143.19	140	3991.27	136.05	3856.42	134.45	1.60	0.5	--
MW-8	02/29/16	7 7/8"	123.57 -143.19	140	3991.27	136.05	3856.42	134.45	1.60	--	--
MW-8	03/10/16	7 7/8"	123.57 -143.19	140	3991.27	135.74	3856.46	134.50	1.24	0.3	--
MW-8	03/22/16	7 7/8"	123.57 -143.19	140	3991.27	135.75	3856.46	134.50	1.25	0.5	--
MW-8	04/04/16	7 7/8"	123.57 -143.19	140	3991.27	135.28	3856.34	134.82	0.46	0.3	--
MW-8	04/21/16	7 7/8"	123.57 -143.19	140	3991.27	135.27	3856.36	134.79	0.48	0.2	--
MW-8	05/20/16	7 7/8"	123.57 -143.19	140	3991.27	135.65	3856.32	134.72	0.93	0.3	--
MW-8	06/02/16	7 7/8"	123.57 -143.19	140	3991.27	136.21	3856.43	134.39	1.82	0.3	--
MW-8	06/16/16	7 7/8"	123.57 -143.19	140	3991.27	136.74	3856.24	134.47	2.27	1.0	--
MW-8	06/30/16	7 7/8"	123.57 -143.19	140	3991.27	136.19	3856.30	134.57	1.62	1.5	--
MW-8	07/14/16	7 7/8"	123.57 -143.19	140	3991.27	136.53	3856.42	134.30	2.23	1.0	--
MW-8	07/25/16	7 7/8"	123.57 -143.19	140	3991.27	136.05	3856.58	134.24	1.81	1.0	--
MW-8	08/22/16	7 7/8"	123.57 -143.19	140	3991.27	135.58	3856.72	134.21	1.37	--	--
MW-8	09/09/16	7 7/8"	123.57 -143.19	140	3991.27	135.59	3856.74	134.18	1.41	--	--
MW-8	09/22/16	7 7/8"	123.57 -143.19	140	3991.27	135.78	3856.63	134.27	1.51	1.0	--
MW-8	10/06/16	7 7/8"	123.57 -143.19	140	3991.27	135.25	3856.74	134.29	0.96	1.0	--
MW-8	10/20/16	7 7/8"	123.57 -143.19	140	3991.27	134.82	3856.95	134.16	0.66	0.1	--
MW-8	11/03/16	7 7/8"	123.57 -143.19	140	3991.27	134.43	3857.10	134.08	0.35	0.4	--
MW-8	11/16/16	7 7/8"	123.57 -143.19	140	3991.27	134.00	3857.33	133.92	0.08	0.1	--
MW-8	11/28/16	7 7/8"	123.57 -143.19	140	3991.27	134.32	3857.15	134.05	0.27	--	--
MW-8	12/15/16	7 7/8"	123.57 -143.19	140	3991.27	134.31	3857.14	134.07	0.24	--	--
MW-8	02/28/17	7 7/8"	123.57 -143.19	140	3991.27	133.85	3857.44	133.83	0.02	--	--
MW-8	03/08/17	7 7/8"	123.57 -143.19	140	3991.27	133.75	3857.52	--	--	--	--
MW-8	03/25/17	7 7/8"	123.57 -143.19	140	3991.27	133.70	3857.57	--	--	--	--
MW-8	04/13/17	7 7/8"	123.57 -143.19	140	3991.27	133.55	3857.72	--	--	--	--
MW-8	05/01/17	7 7/8"	123.57 -143.19	140	3991.27	133.45	3857.82	--	--	--	--
MW-8	06/12/17	7 7/8"	123.57 -143.19	140	3991.27	133.46	3857.81	--	--	--	--
MW-8	06/26/17	7 7/8"	123.57 -143.19	140	3991.27	133.22	3858.05	--	--	--	--
MW-8	07/24/17	7 7/8"	123.57 -143.19	140	3991.27	133.31	3857.96	--	--	--	--
MW-8	08/07/17	7 7/8"	123.57 -143.19	140	3991.27	--	--	--	--	0.5	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-8	08/28/17	7 7/8"	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--	--
MW-8	09/20/17	7 7/8"	123.57 -143.19	140	3991.27	133.23	3858.04	--	--	--	--
MW-8	10/16/17	7 7/8"	123.57 -143.19	140	3991.27	133.27	3858.00	--	--	--	--
MW-8	10/31/17	7 7/8"	123.57 -143.19	140	3991.27	133.30	3857.97	--	--	--	--
MW-8	11/13/17	7 7/8"	123.57 -143.19	140	3991.27	133.81	3857.46	--	--	--	--
MW-8	11/27/17	7 7/8"	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--	--
MW-8	12/11/17	7 7/8"	123.57 -143.19	140	3991.27	133.45	3857.82	--	--	--	--
MW-8	01/02/18	7 7/8"	123.57 -143.19	140	3991.27	133.39	3857.88	--	--	--	--
MW-8	01/08/18	7 7/8"	123.57 -143.19	140	3991.27	133.63	3857.64	--	--	--	--
MW-8	01/24/18	7 7/8"	123.57 -143.19	140	3991.27	133.35	3857.92	--	--	--	--
MW-8	02/05/18	7 7/8"	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--	--
MW-8	02/23/18	7 7/8"	123.57 -143.19	140	3991.27	133.51	3857.76	--	--	--	--
MW-8	03/05/18	7 7/8"	123.57 -143.19	140	3991.27	133.46	3857.81	--	--	--	--
MW-8	04/03/18	7 7/8"	123.57 -143.19	140	3991.27	133.60	3857.67	--	--	--	--
MW-8	04/16/18	7 7/8"	123.57 -143.19	140	3991.27	133.66	3857.61	--	--	--	--
MW-8	04/30/18	7 7/8"	123.57 -143.19	140	3991.27	133.70	3857.57	--	--	--	--
MW-8	05/14/18	7 7/8"	123.57 -143.19	140	3991.27	134.01	3857.26	--	--	--	--
MW-8	06/01/18	7 7/8"	123.57 -143.19	140	3991.27	134.03	3857.24	--	--	--	--
MW-8	06/11/18	7 7/8"	123.57 -143.19	140	3991.27	134.08	3857.19	--	--	--	--
MW-8	06/25/18	7 7/8"	123.57 -143.19	140	3991.27	134.05	3857.22	--	--	--	--
MW-8	07/09/18	7 7/8"	123.57 -143.19	140	3991.27	134.05	3857.22	--	--	--	--
MW-8	07/23/18	7 7/8"	123.57 -143.19	140	3991.27	134.07	3857.20	--	--	--	--
MW-8	08/03/18	7 7/8"	123.57 -143.19	140	3991.27	134.02	3857.25	--	--	--	--
MW-8	08/20/18	7 7/8"	123.57 -143.19	140	3991.27	134.04	3857.23	--	--	--	--
MW-8	08/27/18	7 7/8"	123.57 -143.19	140	3991.27	134.12	3857.15	--	--	--	--
MW-8	10/01/18	7 7/8"	123.57 -143.19	140	3991.27	134.26	3857.01	--	--	--	--
MW-8	10/15/18	7 7/8"	123.57 -143.19	140	3991.27	134.22	3857.05	--	--	--	--
MW-8	11/13/18	7 7/8"	123.57 -143.19	140	3991.27	134.59	3856.68	--	--	--	--
MW-8	12/03/18	7 7/8"	123.57 -143.19	140	3991.27	135.44	3855.83	137.79	-2.35	--	--
MW-8	12/11/18	7 7/8"	123.57 -143.19	140	3991.27	135.67	3855.60	134.64	1.03	0.8	--
MW-8	01/28/19	7 7/8"	123.57 -143.19	140	3991.27	136.39	3854.88	134.45	1.94	0.8	--
MW-8	03/05/19	7 7/8"	123.57 -143.19	140	3991.27	136.59	3854.68	134.53	2.06	1.0	--
MW-8	3/18/19	7 7/8"	123.57 -143.19	140	3991.27	136.92	3854.35	134.49	2.43	0.5	--
MW-8	4/5/19	7 7/8"	123.57 -143.19	140	3991.27	136.39	3854.88	134.49	1.90	0.4	--
MW-8	4/18/19	7 7/8"	123.57 -143.19	140	3991.27	136.22	3855.05	134.58	1.64	0.6	--
MW-8	4/29/19	7 7/8"	123.57 -143.19	140	3991.27						
MW-8	5/29/19	7 7/8"	123.57 -143.19	140	3991.27						
MW-8	6/10/19	7 7/8"	123.57 -143.19	140	3991.27						



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-8	6/24/19	7 7/8"	123.57 - 143.19	140	3991.27	135.91	3855.36	134.54	1.37	0.7	--
MW-8	7/12/19	7 7/8"	123.57 - 143.19	140	3991.27	135.97	3855.30	134.63	1.34	0.5	0.5
MW-8	7/22/19	7 7/8"	123.57 - 143.19	140	3991.27	135.99	3855.28	134.76	1.23	1.0	--
MW-8	8/5/19	7 7/8"	123.57 - 143.19	140	3991.27	135.95	3855.32	134.72	1.23	0.2	0.1
MW-8	8/19/19	7 7/8"	123.57 - 143.19	140	3991.27	136.11	3855.16	134.72	1.39	0.3	0.1
MW-8	9/6/19	7 7/8"	123.57 - 143.19	140	3991.27	136.12	3855.15	134.63	1.49	0.5	0.3
MW-8	9/16/19	7 7/8"	123.57 - 143.19	140	3991.27	135.85	3855.42	134.86	0.99	0.2	--
MW-8	9/30/19	7 7/8"	123.57 - 143.19	140	3991.27	135.85	3855.42	134.80	1.05	0.2	--
MW-8	1/28/19	7 7/8"	123.57 - 143.19	140	3991.27	134.59	3856.68	--	--	--	--
MW-8	12/16/19	7 7/8"	123.57 - 143.19	140	3991.27	135.46	3856.37	134.72	0.74	--	--
MW-8	01/30/20	7 7/8"	123.57 - 143.19	140	3991.27	137.06	3856.03	134.64	2.42	0.5	--
MW-8	02/12/20	7 7/8"	123.57 - 143.19	140	3991.27	137.03	3856.07	134.60	2.43	1.5	--
MW-8	02/27/20	7 7/8"	123.57 - 143.19	140	3991.27	137.06	3856.00	134.68	2.38	1.0	--
MW-8	03/13/20	7 7/8"	123.57 - 143.19	140	3991.27	137.13	3855.96	134.71	2.42	2.0	--
MW-8	03/27/20	7 7/8"	123.57 - 143.19	143.43	3991.27	137.17	3855.90	134.78	2.39	--	--
MW-8	04/06/20	7 7/8"	123.57 - 143.19	143.43	3991.27	137.04	3855.97	134.73	2.31	--	--
MW-8	04/07/20	7 7/8"	123.57 - 143.19	143.43	3991.27	137.08	3855.96	134.73	2.35	1.0	--
MW-8	04/23/20	7 7/8"	123.57 - 143.19	143.43	3991.27	137.14	3855.89	134.80	2.34	--	--
MW-8	05/12/20	7 7/8"	123.57 - 143.19	143.43	3991.27	136.95	3855.97	134.75	2.20	1.5	--
MW-9	10/08/02	2"	123 - 145	145	3990.40	132.33	3858.07	--	--	--	--
MW-9	08/11/03	2"	123 - 145	145	3990.40	130.27	3860.13	--	--	--	--
MW-9	02/16/05	2"	123 - 145	145	3990.40	128.96	3861.44	--	--	--	--
MW-9	04/07/06	2"	123 - 145	145	3990.40	130.45	3859.95	--	--	--	--
MW-9	06/29/06	2"	123 - 145	145	3990.40	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----
MW-9	10/12/06	2"	123 - 145	145	3990.40	130.43	3859.97	--	--	--	--
MW-9	04/26/07	2"	123 - 145	145	3990.40	130.35	3860.05	--	--	--	--
MW-9	10/18/07	2"	123 - 145	145	3990.40	130.26	3860.14	--	--	--	--
MW-9	05/21/08	2"	123 - 145	145	3990.40	130.29	3860.11	--	--	--	--
MW-9	10/20/08	2"	123 - 145	145	3990.40	130.41	3859.99	--	--	--	--
MW-9	04/09/09	2"	123 - 145	145	3990.40	130.87	3859.53	--	--	--	--
MW-9	09/29/09	2"	123 - 145	145	3990.40	131.40	3859.00	--	--	--	--
MW-9	04/05/10	2"	123 - 145	145	3990.40	131.66	3858.74	--	--	--	--
MW-9	10/04/10	2"	123 - 145	145	3990.40	131.85	3858.55	--	--	--	--
MW-9	04/18/11	2"	123 - 145	145	3990.40	132.30	3858.10	--	--	--	--
MW-9	10/18/11	2"	123 - 145	145	3990.40	134.75	3857.97	131.66	3.09	--	--
MW-9	02/01/12	2"	123 - 145	145	3990.40	135.92	3858.12	131.08	4.84	2.0	0
MW-9	02/16/12	2"	123 - 145	145	3990.40	135.73	3858.30	130.90	4.83	2.5	0
MW-9	02/28/12	2"	123 - 145	145	3990.40	135.97	3858.21	130.94	5.03	2.0	0.5



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to	Total Depth ft to	Casing Elevation ft msl	Depth To Water ft to	Water Elevation ft msl	Depth to LNAPL ft to	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-9	03/12/12	2"	123 - 145	145	3990.40	135.96	3858.16	131.01	4.95	2.7	0.15
MW-9	03/29/12	2"	123 - 145	145	3990.40	135.87	3858.20	130.99	4.88	2.5	0
MW-9	04/10/12	2"	123 - 145	145	3990.40	135.92	3858.22	130.94	4.98	2.0	0.5
MW-9	04/23/12	2"	123 - 145	145	3990.40	135.95	3858.26	130.88	5.07	0.0	0
MW-9	05/08/12	2"	123 - 145	145	3990.40	135.89	3858.30	130.85	5.04	2.0	0.5
MW-9	05/21/12	2"	123 - 145	145	3990.40	135.76	3858.43	130.72	5.04	2.9	0.15
MW-9	06/04/12	2"	123 - 145	145	3990.40	135.88	3858.37	130.76	5.12	2.0	0
MW-9	06/18/12	2"	123 - 145	145	3990.40	135.99	3858.41	130.67	5.32	2.5	0
MW-9	07/03/12	2"	123 - 145	145	3990.40	135.95	3858.38	130.72	5.23	2.5	0.5
MW-9	07/16/12	2"	123 - 145	145	3990.40	135.90	3858.43	130.67	5.23	7.0	0
MW-9	08/02/12	2"	123 - 145	145	3990.40	135.85	3858.48	130.63	5.22	4.0	0
MW-9	08/17/12	2"	123 - 145	145	3990.40	135.87	3858.43	130.69	5.18	0.0	0
MW-9	08/28/12	2"	123 - 145	145	3990.40	135.79	3858.55	130.55	5.24	4.0	0
MW-9	09/21/12	2"	123 - 145	145	3990.40	135.65	3858.65	130.47	5.18	2.5	0
MW-9	09/24/12	2"	123 - 145	145	3990.40	135.58	3858.75	130.35	5.23	4.0	0
MW-9	10/08/12	2"	123 - 145	145	3990.40	135.74	3858.71	130.35	5.39	2.5	0
MW-9	10/22/12	2"	123 - 145	145	3990.40	135.77	3858.69	130.37	5.40	2.5	0
MW-9	11/05/12	2"	123 - 145	145	3990.40	135.71	3858.46	130.70	5.01	0.0	0
MW-9	11/20/12	2"	123 - 145	145	3990.40	135.84	3858.64	130.42	5.42	3.0	0
MW-9	01/08/13	2"	123 - 145	145	3990.40	135.81	3858.63	130.44	5.37	3.0	0
MW-9	01/21/13	2"	123 - 145	145	3990.40	135.68	3858.67	130.43	5.25	3.5	0
MW-9	01/30/13	2"	123 - 145	145	3990.40	135.62	3858.74	130.36	5.26	4.0	--
MW-9	02/13/13	2"	123 - 145	145	3990.40	135.60	3858.76	130.33	5.27	--	--
MW-9	02/18/13	2"	123 - 145	145	3990.40	135.58	3858.58	130.58	5.00	2.5	0
MW-9	03/04/13	2"	123 - 145	145	3990.40	135.68	3858.71	130.38	5.30	--	--
MW-9	03/18/13	2"	123 - 145	145	3990.40	135.68	3858.62	130.50	5.18	2.5	0.25
MW-9	04/01/13	2"	123 - 145	145	3990.40	135.58	3858.71	130.41	5.17	3.0	0.1
MW-9	04/15/13	2"	123 - 145	145	3990.40	135.75	3858.70	130.37	5.38	2.3	0.25
MW-9	04/23/13	2"	123 - 145	145	3990.40	135.66	3858.58	130.55	5.11	--	--
MW-9	04/29/13	2"	123 - 145	145	3990.40	135.72	3858.72	130.35	5.37	3.0	0.25
MW-9	05/15/13	2"	123 - 145	145	3990.40	135.74	3858.69	130.38	5.36	2.7	0.3
MW-9	05/28/13	2"	123 - 145	145	3990.40	135.75	3858.64	130.45	5.30	2.8	0.25
MW-9	06/12/13	2"	123 - 145	145	3990.40	135.70	3858.63	130.47	5.23	2.3	0.25
MW-9	06/26/13	2"	123 - 145	145	3990.40	135.71	3858.59	130.53	5.18	2.5	0.25
MW-9	07/24/13	2"	123 - 145	145	3990.40	135.81	3859.06	129.87	5.94	2.0	0
MW-9	08/06/13	2"	123 - 145	145	3990.40	135.81	3858.16	131.06	4.75	2.3	0.25
MW-9	08/21/13	2"	123 - 145	145	3990.40	135.84	3857.88	131.43	4.41	2.5	--
MW-9	09/03/13	2"	123 - 145	145	3990.40	135.82	3857.90	131.41	4.41	2.5	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-9	09/18/13	2"	123 - 145	145	3990.40	135.82	3857.91	131.39	4.43	2.5	--
MW-9	09/23/13	2"	123 - 145	145	3990.40	135.61	3857.48	132.03	3.58	--	--
MW-9	09/23/13	2"	123 - 145	145	3990.40	133.09	3857.55	132.77		--	--
MW-9	10/02/13	2"	123 - 145	145	3990.40	135.80	3857.45	132.01	3.79	2.0	--
MW-9	10/16/13	2"	123 - 145	145	3990.40	135.68	3857.37	132.15	3.53	1.5	--
MW-9	10/21/13	2"	123 - 145	145	3990.40	135.61	3857.42	132.11	3.50	--	--
MW-9	10/30/13	2"	123 - 145	145	3990.40	135.98	3857.28	132.18	3.80	2.5	--
MW-9	11/13/13	2"	123 - 145	145	3990.40	135.88	3857.42	132.02	3.86	2.5	--
MW-9	12/04/13	2"	123 - 145	145	3990.40	135.95	3857.61	131.75	4.20	2.0	--
MW-9	12/12/13	2"	123 - 145	145	3990.40	136.05	3857.49	131.87	4.18	2.0	--
MW-9	12/30/13	2"	123 - 145	145	3990.40	135.98	3857.59	131.76	4.22	1.3	--
MW-9	02/11/14	2"	123 - 145	145	3990.40	136.10	3857.52	131.82	4.28	--	--
MW-9	02/25/14	2"	123 - 145	145	3990.40	136.22	3857.26	132.12	4.10	1.5	0.5
MW-9	02/25/14	2"	123 - 145	145	3990.40	133.01	3857.40	133.00		NA	NA
MW-9	03/13/14	2"	123 - 145	145	3990.40	136.12	3857.27	132.15	3.97	1.5	0.5
MW-9	03/27/14	2"	123 - 145	145	3990.40	136.17	3857.12	132.33	3.84	2.5	--
MW-9	04/10/14	2"	123 - 145	145	3990.40	136.24	3857.08	132.36	3.88	1.0	--
MW-9	04/24/14	2"	123 - 145	145	3990.40	136.25	3856.98	132.49	3.76	2.3	--
MW-9	05/08/14	2"	123 - 145	145	3990.40	136.26	3857.07	132.36	3.90	2.5	--
MW-9	06/19/14	2"	123 - 145	145	3990.40	136.33	3857.01	132.42	3.91	2.0	--
MW-9	07/03/14	2"	123 - 145	145	3990.40	not gauged				--	--
MW-9	08/01/14	2"	123 - 145	145	3990.40	136.41	3857.01	132.40	4.01	2.5	--
MW-9	08/28/14	2"	123 - 145	145	3990.40	136.51	3856.89	132.52	3.99	2.0	--
MW-9	09/11/14	2"	123 - 145	145	3990.40	not gauged				--	--
MW-9	10/24/14	2"	123 - 145	145	3990.40	136.64	3856.63	132.82	3.82	2.0	--
MW-9	10/27/14	2"	123 - 145	145	3990.40	136.60	3856.70	132.75	3.85	--	--
MW-9	01/13/15	2"	123 - 145	145	3990.40	136.59	3856.67	132.79	3.80	2.0	--
MW-9	01/29/15	2"	123 - 145	145	3990.40	136.20	3856.24	133.49	2.71	1.5	--
MW-9	02/10/15	2"	123 - 145	145	3990.40	136.66	3856.56	132.91	3.75	1.5	--
MW-9	02/24/15	2"	123 - 145	145	3990.40	136.68	3856.68	132.75	3.93	2.0	0.25
MW-9	03/12/15	2"	123 - 145	145	3990.40	136.85	3856.37	133.10	3.75	1.0	--
MW-9	03/26/15	2"	123 - 145	145	3990.40	136.77	3856.26	133.27	3.50	2.1	--
MW-9	04/09/15	2"	123 - 145	145	3990.40	136.74	3856.34	133.18	3.56	1.0	--
MW-9	04/21/15	2"	123 - 145	145	3990.40	136.81	3856.33	133.16	3.65	1.0	--
MW-9	05/06/15	2"	123 - 145	145	3990.40	not gauged				--	--
MW-9	05/21/15	2"	123 - 145	145	3990.40	not gauged				--	--
MW-9	06/04/15	2"	123 - 145	145	3990.40	136.83	3856.29	133.21	3.62	1.5	--
MW-9	07/02/15	2"	123 - 145	145	3990.40	136.90	3856.20	133.31	3.59	2.0	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-9	07/16/15	2"	123 - 145	145	3990.40	137.00	3856.08	133.43	3.57	2.0	--
MW-9	07/30/15	2"	123 - 145	145	3990.40	134.42	3856.11	134.25		--	--
MW-9	08/27/15	2"	123 - 145	145	3990.40	136.97	3856.05	133.48	3.49	86.4	1296
MW-9	09/10/15	2"	123 - 145	145	3990.40	137.05	3855.94	133.61	3.44	0.3	--
MW-9	09/25/15	2"	123 - 145	145	3990.40	136.98	3855.74	133.89	3.09	2.9	--
MW-9	10/08/15	2"	123 - 145	145	3990.40			not gauged		--	--
MW-9	10/26/15	2"	123 - 145	145	3990.40			not gauged		--	--
MW-9	11/05/15	2"	123 - 145	145	3990.40	136.95	3856.09	133.44	3.51	1.5	--
MW-9	12/10/15	2"	123 - 145	145	3990.40	136.11	3855.97	133.88	2.23	75.6	1764
MW-9	12/11/15	2"	123 - 145	145	3990.40	136.27	3856.20	133.52	2.75	48.1	1770
MW-9	01/14/16	2"	123 - 145	145	3990.40			not gauged		--	--
MW-9	02/25/16	2"	123 - 145	145	3990.40	136.70	3855.69	134.05	2.65	1.5	--
MW-9	02/29/16	2"	123 - 145	145	3990.40	136.70	3855.69	134.05	2.65	--	--
MW-9	03/10/16	2"	123 - 145	145	3990.40	137.24	3855.69	133.87	3.37	1.5	--
MW-9	03/22/16	2"	123 - 145	145	3990.40	137.26	3855.67	133.90	3.36	1.5	--
MW-9	04/04/16	2"	123 - 145	145	3990.40	137.38	3855.61	133.93	3.45	1.4	--
MW-9	04/21/16	2"	123 - 145	145	3990.40	137.12	3856.04	133.45	3.67	2.5	--
MW-9	05/20/16	2"	123 - 145	145	3990.40	136.93	3856.12	133.41	3.52	1.3	--
MW-9	06/02/16	2"	123 - 145	145	3990.40	137.39	3855.45	134.14	3.25	1.5	--
MW-9	06/16/16	2"	123 - 145	145	3990.40	137.48	3854.97	134.76	2.72	1.5	--
MW-9	06/30/16	2"	123 - 145	145	3990.40	137.37	3855.47	134.12	3.25	1.5	--
MW-9	07/14/16	2"	123 - 145	145	3990.40	136.89	3855.71	133.97	2.92	1.5	--
MW-9	07/25/16	2"	123 - 145	145	3990.40	136.52	3855.91	133.82	2.70	2.0	--
MW-9	08/22/16	2"	123 - 145	145	3990.40	135.98	3856.07	133.78	2.20	--	--
MW-9	09/09/16	2"	123 - 145	145	3990.40			not gauged		--	--
MW-9	09/22/16	2"	123 - 145	145	3990.40	136.35	3856.39	133.24	3.11	1.5	--
MW-9	10/06/16	2"	123 - 145	145	3990.40	136.31	3856.41	133.22	3.09	1.5	--
MW-9	10/20/16	2"	123 - 145	145	3990.40	134.95	3856.41	133.68	1.27	1.3	--
MW-9	11/03/16	2"	123 - 145	145	3990.40	134.75	3856.58	133.51	1.24	1.2	--
MW-9	11/16/16	2"	123 - 145	145	3990.40	134.48	3856.72	133.42	1.06	1.1	--
MW-9	11/28/16	2"	123 - 145	145	3990.40	134.52	3856.67	133.47	1.05	1.0	--
MW-9	12/15/16	2"	123 - 145	145	3990.40	134.50	3856.68	133.46	1.04	1.0	--
MW-9	02/06/17	2"	123 - 145	145	3990.40	134.56	3857.04	132.97	1.59	1.3	--
MW-9	02/28/17	2"	123 - 145	145	3990.40	135.21	3856.79	133.08	2.13	--	--
MW-9	03/08/17	2"	123 - 145	145	3990.40	134.30	3857.08	133.00	1.30	0.5	--
MW-9	03/25/17	2"	123 - 145	145	3990.40	134.47	3857.10	132.91	1.56	0.8	--
MW-9	04/13/17	2"	123 - 145	145	3990.40			not gauged		--	--
MW-9	05/01/17	2"	123 - 145	145	3990.40	133.95	3857.41	132.67	1.28	1.0	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to	Total Depth ft to	Casing Elevation ft msl	Depth To Water ft to	Water Elevation ft msl	Depth to LNAPL ft to	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-9	06/12/17	2"	123 - 145	145	3990.40	133.73	3857.52	132.60	1.13	0.8	--
MW-9	06/26/17	2"	123 - 145	145	3990.40	133.64	3857.59	132.53	1.11	1.0	--
MW-9	07/24/17	2"	123 - 145	145	3990.40	134.07	3857.48	132.54	1.53	1.0	--
MW-9	08/07/17	2"	123 - 145	145	3990.40						--
MW-9	08/28/17	2"	123 - 145	145	3990.40	134.23	3857.42	132.57	1.66	0.3	--
MW-9	09/20/17	2"	123 - 145	145	3990.40	133.97	3857.53	132.51	1.46	0.5	--
MW-9	10/16/17	2"	123 - 145	145	3990.40	134.18	3857.72	132.18	2.00	0.5	--
MW-9	10/31/17	2"	123 - 145	145	3990.40	134.11	3857.55	132.43	1.68	0.6	--
MW-9	11/13/17	2"	123 - 145	145	3990.40	134.30	3857.44	132.52	1.78	0.5	--
MW-9	11/27/17	2"	123 - 145	145	3990.40	134.23	3857.55	132.40	1.83	1.3	--
MW-9	12/11/17	2"	123 - 145	145	3990.40	134.21	3857.53	132.43	1.78	--	--
MW-9	01/02/18	2"	123 - 145	145	3990.40	134.40	3857.35	132.60	1.80	1.0	--
MW-9	01/08/18	2"	123 - 145	145	3990.40	134.41	3857.43	132.49	1.92	1.0	--
MW-9	01/24/18	2"	123 - 145	145	3990.40	134.52	3857.19	132.78	1.74	1.0	--
MW-9	02/05/18	2"	123 - 145	145	3990.40	134.58	3857.44	132.42	2.16	0.3	--
MW-9	02/23/18	2"	123 - 145	145	3990.40	134.24	3857.57	132.37	1.87	1.0	--
MW-9	03/05/18	2"	123 - 145	145	3990.40	134.20	3857.37	132.65	1.55	1.0	--
MW-9	04/03/18	2"	123 - 145	145	3990.40	134.45	3857.27	132.69	1.76	--	--
MW-9	04/16/18	2"	123 - 145	145	3990.40	134.65	3857.36	132.51	2.14	1.0	--
MW-9	04/30/18	2"	123 - 145	145	3990.40	134.89	3857.20	132.64	2.25	0.6	--
MW-9	05/14/18	2"	123 - 145	145	3990.40	134.93	3857.15	132.69	2.24	0.5	--
MW-9	06/01/18	2"	123 - 145	145	3990.40	135.10	3857.07	132.74	2.36	--	--
MW-9	06/11/18	2"	123 - 145	145	3990.40	135.21	3857.00	132.80	2.41	2.0	--
MW-9	06/25/18	2"	123 - 145	145	3990.40	135.52	3856.69	133.11	2.41	--	--
MW-9	07/09/18	2"	123 - 145	145	3990.40	135.83	3856.62	133.11	2.72	0.8	--
MW-9	07/23/18	2"	123 - 145	145	3990.40	135.76	3856.66	133.08	2.68	0.9	--
MW-9	08/03/18	2"	123 - 145	145	3990.40	135.72	3856.66	133.09	2.63	1.3	--
MW-9	08/20/18	2"	123 - 145	145	3990.40	135.63	3856.69	133.08	2.55	1.3	--
MW-9	08/27/18	2"	123 - 145	145	3990.40	135.49	3856.77	133.02	2.47	--	--
MW-9	10/01/18	2"	123 - 145	145	3990.40	135.38	3856.79	133.03	2.35	1.4	--
MW-9	10/15/18	2"	123 - 145	145	3990.40	135.44	3856.75	133.06	2.38	--	--
MW-9	11/13/18	2"	123 - 145	145	3990.40	135.47	3856.68	133.14	2.33	1.2	--
MW-9	12/03/18	2"	123 - 145	145	3990.40	136.01	3856.47	133.24	2.77	2.0	--
MW-9	01/28/19	2"	123 - 145	145	3990.40	136.11	3856.44	133.25	2.86	1.5	--
MW-9	12/16/19	2"	123 - 145	145	3990.40	136.34	3856.17	133.53	2.81	--	--
MW-9	01/30/20	2"	123 - 145		3990.40	137.34	3855.47	134.13	3.21	5.0	--
MW-9	02/12/20	2"	123 - 145		3990.40	137.38	3855.46	134.13	3.25	2.5	--
MW-9	02/27/20	2"	123 - 145		3990.40	137.44	3855.40	134.19	3.25	2.0	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to	Total Depth ft to	Casing Elevation ft msl	Depth To Water ft to	Water Elevation ft msl	Depth to LNAPL ft to	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-9	03/13/20	2"	123 - 145		3990.40			not gauged			
MW-9	03/27/20	2"	123 - 145		3990.40	137.49	3855.31	134.30	3.19		
MW-9	04/06/20	2"	123 - 145	148.15	3990.40	137.50	3855.31	134.30	3.20		
MW-9	04/07/20	2"	123 - 145		3990.40	137.50	3855.31	134.30	3.20	2.0	
MW-9	04/23/20	2"	123 - 145		3990.40	137.51	3855.30	134.30	3.21		
MW-9	05/12/20	2"	123 - 145		3990.40	137.38	3855.43	134.18	3.20	2.5	
MW-10	10/08/02	2"	123 - 145	145	3992.85	133.64	3859.21	--	--	--	--
MW-10	08/11/03	2"	123 - 145	145	3992.85	132.12	3860.73	--	--	--	--
MW-10	02/16/05	2"	123 - 145	145	3992.85	130.88	3861.97	--	--	--	--
MW-10	04/07/06	2"	123 - 145	145	3992.85	131.87	3860.98	--	--	--	--
MW-10	06/29/06	2"	123 - 145	145	3992.85			not gauged			
MW-10	10/12/06	2"	123 - 145	145	3992.85	132.08	3860.77	--	--	--	--
MW-10	04/26/07	2"	123 - 145	145	3992.85	132.02	3860.83	--	--	--	--
MW-10	10/18/07	2"	123 - 145	145	3992.85	132.03	3860.82	--	--	--	--
MW-10	05/14/08	2"	123 - 145	145	3992.85	132.03	3860.82	--	--	--	--
MW-10	10/14/08	2"	123 - 145	145	3992.85	132.08	3860.77	--	--	--	--
MW-10	04/09/09	2"	123 - 145	145	3992.85	132.46	3860.39	--	--	--	--
MW-10	09/29/09	2"	123 - 145	145	3992.85	132.79	3860.06	--	--	--	--
MW-10	04/05/10	2"	123 - 145	145	3992.85	133.04	3859.81	--	--	--	--
MW-10	10/04/10	2"	123 - 145	145	3992.85	133.21	3859.64	--	--	--	--
MW-10	04/18/11	2"	123 - 145	145	3992.85	133.65	3859.20	--	--	--	--
MW-10	10/18/11	2"	123 - 145	145	3992.85	133.71	3859.14	--	--	--	--
MW-10	04/23/12	2"	123 - 145	145	3992.85	133.61	3859.24	--	--	--	--
MW-10	11/05/12	2"	123 - 145	145	3992.85	133.36	3859.49	--	--	--	--
MW-10	04/23/13	2"	123 - 145	145	3992.85	133.57	3859.28	--	--	--	--
MW-10	10/21/13	2"	123 - 145	145	3992.85	134.14	3858.71	--	--	--	--
MW-10	02/11/14	2"	123 - 145	145	3992.85	134.20	3858.65	--	--	--	--
MW-10	10/27/14	2"	123 - 145	145	3992.85	134.81	3858.04	--	--	--	--
MW-10	02/24/15	2"	123 - 145	145	3992.85	134.75	3858.10	--	--	--	--
MW-10	10/26/15	2"	123 - 145	145	3992.85	135.17	3857.68	--	--	--	--
MW-10	02/29/16	2"	123 - 145	145	3992.85	135.42	3857.43	--	--	--	--
MW-10	08/22/16	2"	123 - 145	145	3992.85	135.42	3857.43	--	--	--	--
MW-10	02/28/17	2"	123 - 145	145	3992.85	134.83	3858.02	--	--	--	--
MW-10	08/28/17	2"	123 - 145	145	3992.85	134.52	3858.33	--	--	--	--
MW-10	04/03/18	2"	123 - 145	145	3992.85	134.72	3858.13	--	--	--	--
MW-10	08/27/18	2"	123 - 145	145	3992.85	135.11	3857.74	--	--	--	--
MW-10	01/28/19	2"	123 - 145	145	3992.85	Obstruction at 3 ft		--	--	--	--
MW-10	12/16/19	2"	123 - 145	145	3992.85	136.30	3856.55	--	--	--	--
MW-10	04/06/20	2"	123 - 145	147.51	3992.85	136.38	3856.47	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-11	10/08/02	2"	123 - 145	145	3991.74	132.18	3859.56	--	--	--	--
MW-11	08/11/03	2"	123 - 145	145	3991.74	130.68	3861.06	--	--	--	--
MW-11	02/16/05	2"	123 - 145	145	3991.74	129.43	3862.31	--	--	--	--
MW-11	04/07/06	2"	123 - 145	145	3991.74	130.49	3861.25	--	--	--	--
MW-11	06/29/06	2"	123 - 145	145	3991.74	----- not gauged -----					
MW-11	10/12/06	2"	123 - 145	145	3991.74	130.70	3861.04	--	--	--	--
MW-11	04/26/07	2"	123 - 145	145	3991.74	130.65	3861.09	--	--	--	--
MW-11	10/18/07	2"	123 - 145	145	3991.74	130.69	3861.05	--	--	--	--
MW-11	05/14/08	2"	123 - 145	145	3991.74	130.65	3861.09	--	--	--	--
MW-11	10/14/08	2"	123 - 145	145	3991.74	130.77	3860.97	--	--	--	--
MW-11	04/09/09	2"	123 - 145	145	3991.74	NG--Well Destroyed					
MW-12	10/08/02	2"	123 - 145	145	3989.62	129.77	3859.85	--	--	--	--
MW-12	08/11/03	2"	123 - 145	145	3989.62	128.77	3860.85	--	--	--	--
MW-12	02/16/05	2"	123 - 145	145	3989.62	127.65	3861.97	--	--	--	--
MW-12	04/07/06	2"	123 - 145	145	3989.62	128.80	3860.82	--	--	--	--
MW-12	06/29/06	2"	123 - 145	145	3989.62	----- not gauged -----					
MW-12	10/12/06	2"	123 - 145	145	3989.62	128.91	3860.71	--	--	--	--
MW-12	04/26/07	2"	123 - 145	145	3989.62	128.82	3860.80	--	--	--	--
MW-12	10/18/07	2"	123 - 145	145	3989.62	128.81	3860.81	--	--	--	--
MW-12	05/14/08	2"	123 - 145	145	3989.62	128.78	3860.84	--	--	--	--
MW-12	10/14/08	2"	123 - 145	145	3989.62	128.90	3860.72	--	--	--	--
MW-12	09/29/09	2"	123 - 145	145	3989.62	129.40	3860.22	--	--	--	--
MW-12	04/05/10	2"	123 - 145	145	3989.62	129.84	3859.78	--	--	--	--
MW-12	10/04/10	2"	123 - 145	145	3989.62	130.06	3859.56	--	--	--	--
MW-12	04/18/11	2"	123 - 145	145	3989.62	130.24	3859.38	--	--	--	--
MW-12	10/18/11	2"	123 - 145	145	3989.62	130.75	3858.87	--	--	--	--
MW-12	04/23/12	2"	123 - 145	145	3989.62	130.96	3858.66	--	--	--	--
MW-12	10/21/13	2"	123 - 145	145	3989.62	130.61	3859.01	--	--	--	--
MW-12	11/05/12	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--	--
MW-12	04/23/13	2"	123 - 145	145	3989.62	130.31	3859.31	--	--	--	--
MW-12	10/21/13	2"	123 - 145	145	3989.62	----- damaged -----					
MW-12	02/11/14	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--	--
MW-12	10/27/14	2"	123 - 145	145	3989.62	131.20	3858.42	--	--	--	--
MW-12	02/24/15	2"	123 - 145	145	3989.62	131.93	3857.69	--	--	--	--
MW-12	10/26/15	2"	123 - 145	145	3989.62	131.95	3857.67	--	--	--	--
MW-12	02/29/16	2"	123 - 145	145	3989.62	132.21	3857.41	--	--	--	--
MW-12	08/22/16	2"	123 - 145	145	3989.62	132.80	3856.82	--	--	--	--
MW-12	02/28/17	2"	123 - 145	145	3989.62	132.71	3856.91	--	--	--	--
MW-12		2"	123 - 145	145	3989.62	131.80	3857.82	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-12	08/28/17	2"	123 - 145	145	3989.62	131.80	3857.82	--	--	--	--
MW-12	04/03/18	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--	--
MW-12	08/27/18	2"	123 - 145	145	3989.62	132.13	3857.49	--	--	--	--
MW-12	01/28/19	2"	123 - 145	145	3989.62	133.05	3856.57	--	--	--	--
MW-12	12/16/19	2"	123 - 145	145	3989.62	133.12	3856.50	--	--	--	--
MW-12	04/06/20	2"	123 - 145	139.55	3989.62	133.27	3856.35	--	--	--	--
MW-13	10/08/02	2"	123 - 145	145	3990.60	132.59	3858.01	--	--	--	--
MW-13	08/11/03	2"	123 - 145	145	3990.60	130.37	3860.23	--	--	--	--
MW-13	02/16/05	2"	123 - 145	145	3990.60	129.30	3861.30	--	--	--	--
MW-13	04/07/06	2"	123 - 145	145	3990.60	130.59	3860.01	--	--	--	--
MW-13	06/29/06	2"	123 - 145	145	3990.60	----- not gauged -----					
MW-13	10/12/06	2"	123 - 145	145	3990.60	132.62	3857.98	--	--	--	--
MW-13	04/26/07	2"	123 - 145	145	3990.60	130.47	3860.13	--	--	--	--
MW-13	10/18/07	2"	123 - 145	145	3990.60	130.41	3860.19	--	--	--	--
MW-13	05/20/08	2"	123 - 145	145	3990.60	130.41	3860.19	--	--	--	--
MW-13	10/20/08	2"	123 - 145	145	3990.60	129.04	3861.56	--	--	--	--
MW-13	04/09/09	2"	123 - 145	145	3990.60	131.05	3859.55	--	--	--	--
MW-13	09/29/09	2"	123 - 145	145	3990.60	131.58	3859.02	--	--	--	--
MW-13	04/05/10	2"	123 - 145	145	3990.60	131.85	3858.75	--	--	--	--
MW-13	10/04/10	2"	123 - 145	145	3990.60	132.06	3858.54	--	--	--	--
MW-13	04/18/11	2"	123 - 145	145	3990.60	132.65	3857.95	--	--	--	--
MW-13	10/18/11	2"	123 - 145	145	3990.60	132.73	3857.87	--	--	--	--
MW-13	04/23/12	2"	123 - 145	145	3990.60	132.27	3858.33	--	--	--	--
MW-13	11/05/12	2"	123 - 145	145	3990.60	131.85	3858.75	--	--	--	--
MW-13	04/23/13	2"	123 - 145	145	3990.60	131.92	3858.68	--	--	--	--
MW-13	10/21/13	2"	123 - 145	145	3990.6	133.36	3857.24	--	--	--	--
MW-13	02/11/14	2"	123 - 145	145	3990.60	133.06	3857.54	--	--	--	--
MW-13	10/27/14	2"	123 - 145	145	3990.60	133.92	3856.68	--	--	--	--
MW-13	02/24/15	2"	123 - 145	145	3990.60	134.00	3856.60	--	--	--	--
MW-13	10/26/15	2"	123 - 145	145	3990.60	134.32	3856.28	--	--	--	--
MW-13	02/29/16	2"	123 - 145	145	3990.60	134.85	3855.75	--	--	--	--
MW-13	08/22/16	2"	123 - 145	145	3990.60	134.35	3856.25	--	--	--	--
MW-13	2/28/2017	2"	123 - 145	145	3990.60	133.70	3856.90	--	--	--	--
MW-13	08/28/17	2"	123 - 145	145	3990.60	133.30	3857.30	--	--	--	--
MW-13	04/03/18	2"	123 - 145	145	3990.60	133.25	3857.35	--	--	--	--
MW-13	08/27/18	2"	123 - 145	145	3990.60	133.81	3856.79	--	--	--	--
MW-13	01/28/19	2"	123 - 145	145	3990.60	134.70	3855.90	--	--	--	--
MW-13	12/16/19	2"	123 - 145	145	3990.60	135.12	3855.48	--	--	--	--
MW-13	04/06/20	2"	123 - 145	144.72	3990.60	135.16	3855.44	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-14	10/08/02	2"	123 - 145	145	3991.27	133.31	3857.96	--	--	--	--
MW-14	08/11/03	2"	123 - 145	145	3991.27	131.17	3860.10	--	--	--	--
MW-14	02/16/05	2"	123 - 145	145	3991.27	130.12	3861.15	--	--	--	--
MW-14	04/07/06	2"	123 - 145	145	3991.27	131.53	3859.74	--	--	--	--
MW-14	06/29/06	2"	123 - 145	145	3991.27	131.57	3859.70	--	--	--	--
MW-14	10/12/06	2"	123 - 145	145	3991.27	132.18	3859.09	--	--	--	--
MW-14	04/26/07	2"	123 - 145	145	3991.27	131.23	3860.04	--	--	--	--
MW-14	10/18/07	2"	123 - 145	145	3991.27	131.21	3860.06	--	--	--	--
MW-14	05/20/08	2"	123 - 145	145	3991.27	131.18	3860.09	--	--	--	--
MW-14	10/20/08	2"	123 - 145	145	3991.27	131.23	3860.04	--	--	--	--
MW-14	04/09/09	2"	123 - 145	145	3991.27	131.77	3859.50	--	--	--	--
MW-14	09/29/09	2"	123 - 145	145	3991.27	132.39	3858.88	--	--	--	--
MW-14	04/05/10	2"	123 - 145	145	3991.27	132.59	3858.68	--	--	--	--
MW-14	10/04/10	2"	123 - 145	145	3991.27	132.17	3859.10	--	--	--	--
MW-14	04/18/11	2"	123 - 145	145	3991.27	133.50	3857.77	--	--	--	--
MW-14	10/18/11	2"	123 - 145	145	3991.27	133.67	3857.60	--	--	--	--
MW-14	04/23/12	2"	123 - 145	145	3991.27	132.94	3858.33	--	--	--	--
MW-14	11/05/12	2"	123 - 145	145	3991.27	132.49	3858.78	--	--	--	--
MW-14	04/23/13	2"	123 - 145	145	3991.27	132.64	3858.63	--	--	--	--
MW-14	10/21/13	2"	123 - 145	145	3991.27	133.85	3857.42	--	--	--	--
MW-14	02/11/14	2"	123 - 145	145	3991.27	133.84	3857.43	--	--	--	--
MW-14	10/27/14	2"	123 - 145	145	3991.27	134.72	3856.55	--	--	--	--
MW-14	02/24/15	2"	123 - 145	145	3991.27	134.75	3856.52	--	--	--	--
MW-14	10/26/15	2"	123 - 145	145	3991.27	135.25	3856.02	--	--	--	--
MW-14	02/29/16	2"	123 - 145	145	3991.27	135.50	3855.77	--	--	--	--
MW-14	08/22/16	2"	123 - 145	145	3991.27	135.08	3856.19	--	--	--	--
MW-14	2/28/2017	2"	123 - 145	145	3991.27	134.40	3856.87	--	--	--	--
MW-14	08/28/17	2"	123 - 145	145	3991.27	133.78	3857.49	--	--	--	--
MW-14	04/03/18	2"	123 - 145	145	3991.27	134.02	3857.25	--	--	--	--
MW-14	08/27/18	2"	123 - 145	145	3991.27	134.50	3856.77	--	--	--	--
MW-14	01/28/19	2"	123 - 145	145	3991.27	135.30	3855.97	--	--	--	--
MW-14	12/16/19	2"	123 - 145	145	3991.27	136.05	3855.22	--	--	--	--
MW-14	04/06/20	2"	123 - 145	147.20	3991.27	136.06	3855.21	--	--	--	--
MW-15	10/08/02	2"	124 - 146	146	3992.42	133.82	3858.60	--	--	--	--
MW-15	08/11/03	2"	124 - 146	146	3992.42	132.07	3860.35	--	--	--	--
MW-15	02/16/05	2"	124 - 146	146	3992.42	131.05	3861.37	--	--	--	--
MW-15	04/07/06	2"	124 - 146	146	3992.42	131.20	3861.22	--	--	--	--
MW-15	06/29/06	2"	124 - 146	146	3992.42	132.31	3860.11	--	--	--	--
MW-15	10/12/06	2"	124 - 146	146	3992.42	132.25	3860.17	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to	Total Depth ft to	Casing Elevation ft msl	Depth To Water ft to	Water Elevation ft msl	Depth to LNAPL ft to	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-15	04/26/07	2"	124 - 146	146	3992.42	132.14	3860.28	--	--	--	--
MW-15	10/18/07	2"	124 - 146	146	3992.42	132.18	3860.24	--	--	--	--
MW-15	05/19/08	2"	124 - 146	146	3992.42	----- not gauged -----					
MW-15	10/14/08	2"	124 - 146	146	3992.42	132.12	3860.30	--	--	--	--
MW-15	04/09/09	2"	124 - 146	146	3992.42	132.51	3859.91	--	--	--	--
MW-15	09/29/09	2"	124 - 146	146	3992.42	132.89	3859.53	--	--	--	--
MW-15	04/05/10	2"	124 - 146	146	3992.42	133.11	3859.31	--	--	--	--
MW-15	10/04/10	2"	124 - 146	146	3992.42	133.33	3859.09	--	--	--	--
MW-15	04/18/11	2"	124 - 146	146	3992.42	133.15	3859.27	--	--	--	--
MW-15	10/18/11	2"	124 - 146	146	3992.42	133.33	3859.09	--	--	--	--
MW-15	04/23/12	2"	124 - 146	146	3992.42	133.64	3858.78	--	--	--	--
MW-15	11/05/12	2"	124 - 146	146	3992.42	133.35	3859.07	--	--	--	--
MW-15	04/23/13	2"	124 - 146	146	3992.42	133.54	3858.88	--	--	--	--
MW-15	10/21/13	2"	124 - 146	146	3992.42	134.06	3858.36	--	--	--	--
MW-15	02/11/14	2"	124 - 146	146	3992.42	134.28	3858.14	--	--	--	--
MW-15	10/27/14	2"	124 - 146	146	3992.42	135.15	3857.27	--	--	--	--
MW-15	02/24/15	2"	124 - 146	146	3992.42	135.13	3857.29	--	--	--	--
MW-15	10/26/15	2"	124 - 146	146	3992.42	135.66	3856.76	--	--	--	--
MW-15	02/29/16	2"	124 - 146	146	3992.42	135.66	3856.76	--	--	--	--
MW-15	08/22/16	2"	124 - 146	146	3992.42	135.35	3857.07	--	--	--	--
MW-15	2/28/2017	2"	124 - 146	146	3992.42	134.85	3857.57	--	--	--	--
MW-15	08/28/17	2"	124 - 146	146	3992.42	134.23	3858.19	--	--	--	--
MW-15	04/03/18	2"	124 - 146	146	3992.42	134.65	3857.77	--	--	--	--
MW-15	08/27/18	2"	124 - 146	146	3992.42	135.09	3857.33	--	--	--	--
MW-15	01/28/19	2"	124 - 146	146	3992.42	135.62	3856.80	--	--	--	--
MW-15	12/16/19	2"	124 - 146	146	3992.42	136.69	3855.73	--	--	--	--
MW-15	04/06/20	2"	124 - 146	147.94	3992.42	136.76	3855.66	--	--	--	--
MW-16	10/22/03	2"	122 - 145	145	3989.17	129.41	3859.76	--	--	--	--
MW-16	02/16/05	2"	122 - 145	145	3989.17	129.12	3860.05	--	--	--	--
MW-16	04/07/06	2"	122 - 145	145	3989.17	130.46	3858.71	--	--	--	--
MW-16	06/29/06	2"	122 - 145	145	3989.17	130.56	3858.61	--	--	--	--
MW-16	10/12/06	2"	122 - 145	145	3989.17	130.50	3858.67	--	--	--	--
MW-16	04/26/07	2"	122 - 145	145	3989.17	130.21	3858.96	--	--	--	--
MW-16	10/18/07	2"	122 - 145	145	3989.17	130.21	3858.96	--	--	--	--
MW-16	05/19/08	2"	122 - 145	145	3989.17	130.12	3859.05	--	--	--	--
MW-16	10/14/08	2"	122 - 145	145	3989.17	130.07	3859.10	--	--	--	--
MW-16	04/09/09	2"	122 - 145	145	3989.17	130.50	3858.67	--	--	--	--
MW-16	09/29/09	2"	122 - 145	145	3989.17	131.05	3858.12	--	--	--	--
MW-16	04/05/10	2"	122 - 145	145	3989.17	131.35	3857.82	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-16	10/04/10	2"	122 - 145	145	3989.17	131.58	3857.59	--	--	--	--
MW-16	04/18/11	2"	122 - 145	145	3989.17	132.08	3857.09	--	--	--	--
MW-16	10/18/11	2"	122 - 145	145	3989.17	133.54	3855.63	--	--	--	--
MW-16	04/23/12	2"	122 - 145	145	3989.17	131.62	3857.55	--	--	--	--
MW-16	11/05/12	2"	122 - 145	145	3989.17	131.26	3857.91	--	--	--	--
MW-16	04/23/13	2"	122 - 145	145	3989.17	131.14	3858.03	--	--	--	--
MW-16	10/21/13	2"	122 - 145	145	3989.17	133.21	3855.96	--	--	--	--
MW-16	02/11/14	2"	122 - 145	145	3989.17	132.71	3856.46	--	--	--	--
MW-16	10/27/14	2"	122 - 145	145	3989.17	133.76	3855.41	--	--	--	--
MW-16	02/24/15	2"	122 - 145	145	3989.17	133.86	3855.31	--	--	--	--
MW-16	10/26/15	2"	122 - 145	145	3989.17	134.55	3854.62	--	--	--	--
MW-16	02/29/16	2"	122 - 145	145	3989.17	134.32	3854.85	--	--	--	--
MW-16	08/22/16	2"	122 - 145	145	3989.17	133.57	3855.60	--	--	--	--
MW-16	2/28/2017	2"	122 - 145	145	3989.17	132.70	3856.47	--	--	--	--
MW-16	08/28/17	2"	122 - 145	145	3989.17	132.20	3856.97	--	--	--	--
MW-16	04/03/18	2"	122 - 145	145	3989.17	132.84	3856.33	--	--	--	--
MW-16	08/27/18	2"	122 - 145	145	3989.17	133.25	3855.92	--	--	--	--
MW-16	01/29/19	2"	122 - 145	145	3989.17	134.14	3855.03	--	--	--	--
MW-16	12/16/19	2"	122 - 145	145	3989.17	135.45	3853.72	--	--	--	--
MW-16	04/06/20	2"	122 - 145	139.95	3989.17	135.49	3853.68	--	--	--	--
MW-17	10/22/03	2"	122 - 145	145	3989.92	130.21	3859.71	--	--	--	--
MW-17	02/16/05	2"	122 - 145	145	3989.92	129.70	3860.22	--	--	--	--
MW-17	04/07/06	2"	122 - 145	145	3989.92	131.18	3858.74	--	--	--	--
MW-17	06/28/06	2"	122 - 145	145	3989.92	NG	NG	--	--	--	--
MW-17	10/12/06	2"	122 - 145	145	3989.92	131.12	3858.80	--	--	--	--
MW-17	04/26/07	2"	122 - 145	145	3989.92	130.85	3859.07	--	--	--	--
MW-17	10/18/07	2"	122 - 145	145	3989.92	130.83	3859.09	--	--	--	--
MW-17	05/19/08	2"	122 - 145	145	3989.92	130.73	3859.19	--	--	--	--
MW-17	10/14/08	2"	122 - 145	145	3989.92	130.86	3859.06	--	--	--	--
MW-17	04/09/09	2"	122 - 145	145	3989.92	131.32	3858.60	--	--	--	--
MW-17	09/29/09	2"	122 - 145	145	3989.92	131.98	3857.94	--	--	--	--
MW-17	04/05/10	2"	122 - 145	145	3989.92	132.20	3857.72	--	--	--	--
MW-17	10/04/10	2"	122 - 145	145	3989.92	132.52	3857.40	--	--	--	--
MW-17	04/18/11	2"	122 - 145	145	3989.92	132.90	3857.02	--	--	--	--
MW-17	10/18/11	2"	122 - 145	145	3989.92	133.02	3856.90	--	--	--	--
MW-17	04/23/12	2"	122 - 145	145	3989.92	132.33	3857.59	--	--	--	--
MW-17	11/05/12	2"	122 - 145	145	3989.92	132.00	3857.92	--	--	--	--
MW-17	04/23/13	2"	122 - 145	145	3989.92	132.02	3857.90	--	--	--	--
MW-17	10/21/13	2"	122 - 145	145	3989.92	133.18	3856.74	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-17	02/11/14	2"	122 - 145	145	3989.92	133.47	3856.45	--	--	--	--
MW-17	10/27/14	2"	122 - 145	145	3989.92	134.54	3855.38	--	--	--	--
MW-17	02/24/15	2"	122 - 145	145	3989.92	134.81	3855.11	--	--	--	--
MW-17	10/26/15	2"	122 - 145	145	3989.92	133.21	3856.71	--	--	--	--
MW-17	02/29/16	2"	122 - 145	145	3989.92	135.20	3854.72	--	--	--	--
MW-17	08/22/16	2"	122 - 145	145	3989.92	134.53	3855.39	--	--	--	--
MW-17	02/28/17	2"	122 - 145	145	3989.92	133.70	3856.22	--	--	--	--
MW-17	08/28/17	2"	122 - 145	145	3989.92	133.03	3856.89	--	--	--	--
MW-17	04/03/18	2"	122 - 145	145	3989.92	133.54	3856.38	--	--	--	--
MW-17	08/27/18	2"	122 - 145	145	3989.92	133.98	3855.94	--	--	--	--
MW-17	01/28/19	2"	122 - 145	145	3989.92	134.91	3855.01	--	--	--	--
MW-17	12/16/19	2"	122 - 145	145	3989.92	136.02	3853.90	--	--	--	--
MW-17	04/06/20	2"	122 - 145	146.00	3989.92	136.05	3853.87	--	--	--	--
MW-18	10/22/03	2"	124.49 - 144.49	145	3989.96	130.12	3859.84	--	--	--	--
MW-18	02/16/05	2"	124.49 - 144.49	145	3989.96	129.35	3860.61	--	--	--	--
MW-18	04/07/06	2"	124.49 - 144.49	145	3989.96	130.94	3859.02	--	--	--	--
MW-18	06/28/06	2"	124.49 - 144.49	145	3989.96	130.87	3859.09	--	--	--	--
MW-18	10/12/06	2"	124.49 - 144.49	145	3989.96	130.84	3859.12	--	--	--	--
MW-18	04/26/07	2"	124.49 - 144.49	145	3989.96	130.58	3859.38	--	--	--	--
MW-18	10/18/07	2"	124.49 - 144.49	145	3989.96	130.57	3859.39	--	--	--	--
MW-18	05/19/08	2"	124.49 - 144.49	145	3989.96	130.50	3859.46	--	--	--	--
MW-18	10/20/08	2"	124.49 - 144.49	145	3989.96	130.63	3859.33	--	--	--	--
MW-18	04/09/09	2"	124.49 - 144.49	145	3989.96	131.25	3858.71	--	--	--	--
MW-18	09/29/09	2"	124.49 - 144.49	145	3989.96	131.91	3858.05	--	--	--	--
MW-18	04/05/10	2"	124.49 - 144.49	145	3989.96	132.10	3857.86	--	--	--	--
MW-18	10/04/10	2"	124.49 - 144.49	145	3989.96	132.17	3857.79	--	--	--	--
MW-18	04/18/11	2"	124.49 - 144.49	145	3989.96	132.96	3857.00	--	--	--	--
MW-18	10/18/11	2"	124.49 - 144.49	145	3989.96	132.98	3856.98	--	--	--	--
MW-18	04/23/12	2"	124.49 - 144.49	145	3989.96	132.19	3857.77	--	--	--	--
MW-18	11/05/12	2"	124.49 - 144.49	145	3989.96	131.81	3858.15	--	--	--	--
MW-18	04/23/13	2"	124.49 - 144.49	145	3989.96	132.03	3857.93	--	--	--	--
MW-18	10/21/13	2"	124.49 - 144.49	145	3989.96	133.32	3856.64	--	--	--	--
MW-18	02/11/14	2"	124.49 - 144.49	145	3989.96	133.31	3856.65	--	--	--	--
MW-18	10/27/14	2"	124.49 - 144.49	145	3989.96	134.31	3855.65	--	--	--	--
MW-18	02/24/15	2"	124.49 - 144.49	145	3989.96	134.39	3855.57	--	--	--	--
MW-18	10/26/15	2"	124.49 - 144.49	145	3989.96	134.92	3855.04	--	--	--	--
MW-18	02/29/16	2"	124.49 - 144.49	145	3989.96	135.12	3854.84	--	--	--	--
MW-18	08/22/16	2"	124.49 - 144.49	145	3989.96	134.50	3855.46	--	--	--	--
MW-18	02/28/17	2"	124.49 - 144.49	145	3989.96	133.80	3856.16	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-18	08/28/17	2"	124.49 - 144.49	145	3989.96	133.04	3856.92	--	--	--	--
MW-18	04/03/18	2"	124.49 - 144.49	145	3989.96	133.39	3856.57	--	--	--	--
MW-18	08/27/18	2"	124.49 - 144.49	145	3989.96	133.84	3856.12	--	--	--	--
MW-18	01/28/19	2"	124.49 - 144.49	145	3989.96	134.76	3855.20	--	--	--	--
MW-18	12/16/19	2"	124.49 - 144.49	145	3989.96	135.62	3854.34	--	--	--	--
MW-18	04/06/20	2"	124.49 - 144.49	145.22	3989.96	135.63	3854.33	--	--	--	--
MW-19	10/22/03	2"	124.49 - 144.49	145	3991.32	130.48	3860.84	--	--	--	--
MW-19	02/16/05	2"	124.49 - 144.49	145	3991.32	129.42	3861.90	--	--	--	--
MW-19	04/07/06	2"	124.49 - 144.49	145	3991.32	130.63	3860.69	--	--	--	--
MW-19	06/29/06	2"	124.49 - 144.49	145	3991.32	130.07	3861.25	--	--	--	--
MW-19	10/12/06	2"	124.49 - 144.49	145	3991.32	130.71	3860.61	--	--	--	--
MW-19	04/26/07	2"	124.49 - 144.49	145	3991.32	130.63	3860.69	--	--	--	--
MW-19	10/18/07	2"	124.49 - 144.49	145	3991.32	130.62	3860.70	--	--	--	--
MW-19	05/08/08	2"	124.49 - 144.49	145	3991.32	130.67	3860.65	--	--	--	--
MW-19	10/08/08	2"	124.49 - 144.49	145	3991.32	130.84	3860.48	--	--	--	--
MW-19	04/09/09	2"	124.49 - 144.49	145	3991.32	131.78	3859.54	--	--	--	--
MW-19	09/29/09	2"	124.49 - 144.49	145	3991.32	130.24	3861.08	--	--	--	--
MW-19	04/05/10	2"	124.49 - 144.49	145	3991.32	134.77	3856.55	--	--	--	--
MW-19	10/04/10	2"	124.49 - 144.49	145	3991.32	135.05	3856.27	--	--	--	--
MW-19	03/03/11	2"	124.49 - 144.49	145	3991.32	135.36	3858.94	131.46	3.90	2.0	0.50
MW-19	04/07/11	2"	124.49 - 144.49	145	3991.32	135.43	3858.90	131.50	3.93	2.3	0.25
MW-19	04/13/11	2"	124.49 - 144.49	145	3991.32	135.52	3858.83	131.56	3.96	1.1	0.20
MW-19	04/18/11	2"	124.49 - 144.49	145	3991.32	not gauged					--
MW-19	05/03/11	2"	124.49 - 144.49	145	3991.32	135.51	3858.82	131.58	3.93	1.9	1.15
MW-19	05/10/11	2"	124.49 - 144.49	145	3991.32	135.50	3858.73	131.70	3.80	2.0	0.50
MW-19	05/17/11	2"	124.49 - 144.49	145	3991.32	135.52	3858.81	131.58	3.94	2.0	0.50
MW-19	05/24/11	2"	124.49 - 144.49	145	3991.32	135.50	3858.77	131.65	3.85	--	--
MW-19	06/28/11	2"	124.49 - 144.49	145	3991.32	135.46	3858.65	131.81	3.65	1.3	0.20
MW-19	08/24/11	2"	124.49 - 144.49	145	3991.32	135.65	3858.65	131.75	3.90	2.0	0.00
MW-19	08/25/11	2"	124.49 - 144.49	145	3991.32	135.13	3858.63	131.94	3.19	1.5	0.5
MW-19	10/18/11	2"	124.49 - 144.49	145	3991.32	135.47	3858.60	131.88	3.59	2.8	0
MW-19	02/01/12	2"	124.49 - 144.49	145	3991.32	135.11	3858.85	131.66	3.45	0.7	0.1
MW-19	02/16/12	2"	124.49 - 144.49	145	3991.32	134.88	3859.00	131.54	3.34	1.0	0
MW-19	02/28/12	2"	124.49 - 144.49	145	3991.32	135.00	3858.92	131.60	3.40	2.0	0.5
MW-19	03/12/12	2"	124.49 - 144.49	145	3991.32	134.95	3858.86	131.69	3.26	1.0	0.1
MW-19	03/29/12	2"	124.49 - 144.49	145	3991.32	135.03	3858.89	131.63	3.40	1.2	0.5
MW-19	04/10/12	2"	124.49 - 144.49	145	3991.32	135.12	3858.91	131.58	3.54	1.5	0.5
MW-19	04/23/12	2"	124.49 - 144.49	145	3991.32	134.85	3858.93	131.64	3.21	--	--
MW-19	05/08/12	2"	124.49 - 144.49	145	3991.32	134.77	3858.96	131.62	3.15	0.8	0



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-19	05/21/12	2"	124.49 - 144.49	145	3991.32	134.68	3859.05	131.53	3.15	1.5	0
MW-19	06/04/12	2"	124.49 - 144.49	145	3991.32	134.59	3859.03	131.58	3.01	1.5	0
MW-19	06/18/12	2"	124.49 - 144.49	145	3991.32	134.55	3859.07	131.54	3.01	1.5	0.25
MW-19	07/03/12	2"	124.49 - 144.49	145	3991.32	134.63	3859.05	131.55	3.08	2.0	0.5
MW-19	07/16/12	2"	124.49 - 144.49	145	3991.32	134.45	3859.10	131.53	2.92	3.0	0
MW-19	08/02/12	2"	124.49 - 144.49	145	3991.32	134.10	3859.06	131.69	2.41	2.0	0
MW-19	08/17/12	2"	124.49 - 144.49	145	3991.32	not gauged					--
MW-19	08/28/12	2"	124.49 - 144.49	145	3991.32	134.21	3859.21	131.46	2.75	1.5	0
MW-19	09/21/12	2"	124.49 - 144.49	145	3991.32	134.03	3859.29	131.41	2.62	2.5	0
MW-19	09/24/12	2"	124.49 - 144.49	145	3991.32	133.97	3859.36	131.34	2.63	1.0	1
MW-19	10/08/12	2"	124.49 - 144.49	145	3991.32	133.94	3859.32	131.40	2.54	1.5	0
MW-19	10/22/12	2"	124.49 - 144.49	145	3991.32	134.02	3859.24	131.49	2.53	1.5	0
MW-19	10/30/12	2"	124.49 - 144.49	145	3991.32	134.08	3859.21	131.50	2.58	2.0	0
MW-19	11/05/12	2"	124.49 - 144.49	145	3991.32	133.99	3859.34	131.36	2.63	0.0	0
MW-19	11/20/12	2"	124.49 - 144.49	145	3991.32	133.99	3859.27	131.45	2.54	4.5	0
MW-19	12/05/12	2"	124.49 - 144.49	145	3991.32	133.88	3859.26	131.50	2.38	0.0	0
MW-19	01/08/13	2"	124.49 - 144.49	145	3991.32	133.80	3859.23	131.57	2.23	0.0	0
MW-19	01/21/13	2"	124.49 - 144.49	145	3991.32	133.17	3859.27	131.71	1.46	0.0	0
MW-19	01/30/13	2"	124.49 - 144.49	145	3991.32	not gauged					--
MW-19	02/13/13	2"	124.49 - 144.49	145	3991.32	133.49	3859.36	131.49	2.00	--	--
MW-19	02/18/13	2"	124.49 - 144.49	145	3991.32	133.39	3859.18	131.76	1.63	0.2	0
MW-19	03/04/13	2"	124.49 - 144.49	145	3991.32	133.90	3859.29	131.46	2.44	--	--
MW-19	03/18/13	2"	124.49 - 144.49	145	3991.32	133.95	3859.23	131.52	2.43	0.8	0.25
MW-19	04/01/13	2"	124.49 - 144.49	145	3991.32	133.80	3859.28	131.50	2.30	1.0	0.25
MW-19	04/15/13	2"	124.49 - 144.49	145	3991.32	134.03	3859.29	131.41	2.62	2.0	0
MW-19	04/23/13	2"	124.49 - 144.49	145	3991.32	134.04	3859.20	131.53	2.51	--	--
MW-19	04/29/13	2"	124.49 - 144.49	145	3991.32	134.00	3859.31	131.40	2.60	2.0	0.25
MW-19	05/15/13	2"	124.49 - 144.49	145	3991.32	134.08	3859.28	131.41	2.67	0.8	0.2
MW-19	05/28/13	2"	124.49 - 144.49	145	3991.32	134.09	3859.23	131.48	2.61	0.8	0.75
MW-19	06/12/13	2"	124.49 - 144.49	145	3991.32	134.11	3859.21	131.49	2.62	0.5	0.25
MW-19	06/26/13	2"	124.49 - 144.49	145	3991.32	134.18	3859.19	131.50	2.68	1.0	0.25
MW-19	07/24/13	2"	124.49 - 144.49	145	3991.32	134.75	3858.94	131.65	3.10	1.5	0.5
MW-19	08/06/13	2"	124.49 - 144.49	145	3991.32	134.97	3858.92	131.61	3.36	1.5	1.5
MW-19	08/21/13	2"	124.49 - 144.49	145	3991.32	135.45	3858.58	131.91	3.54	2.5	--
MW-19	09/03/13	2"	124.49 - 144.49	145	3991.32	135.43	3858.61	131.87	3.56	2.5	--
MW-19	09/18/13	2"	124.49 - 144.49	145	3991.32	135.46	3858.59	131.89	3.57	2.5	--
MW-19	10/02/13	2"	124.49 - 144.49	145	3991.32	135.78	3858.37	132.08	3.70	2.0	--
MW-19	10/16/13	2"	124.49 - 144.49	145	3991.32	135.48	3858.22	132.37	3.11	1.5	--
MW-19	10/21/13	2"	124.49 - 144.49	145	3991.32	130.61	3861.71	129.30	1.31	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-19	10/30/13	2"	124.49 - 144.49	145	3991.32	135.96	3858.10	132.38	3.58	1.8	--
MW-19	11/13/13	2"	124.49 - 144.49	145	3991.32	135.97	3858.19	132.26	3.71	2.0	--
MW-19	12/04/13	2"	124.49 - 144.49	145	3991.32	135.89	3858.31	132.12	3.77	1.5	--
MW-19	12/12/13	2"	124.49 - 144.49	145	3991.32	135.90	3858.25	132.20	3.70	3.0	--
MW-19	12/30/13	2"	124.49 - 144.49	145	3991.32	135.76	3858.34	132.12	3.64	1.3	--
MW-19	02/11/14	2"	124.49 - 144.49	145	3991.32	135.85	3858.31	132.14	3.71	--	--
MW-19	02/12/14	2"	124.49 - 144.49	145	3991.32	135.82	3858.29	132.17	3.65	--	--
MW-19	02/25/14	2"	124.49 - 144.49	145	3991.32	135.82	3858.20	132.29	3.53	1.5	0.25
MW-19	03/13/14	2"	124.49 - 144.49	145	3991.32	136.03	3858.10	132.36	3.67	1.8	0.5
MW-19	03/27/14	2"	124.49 - 144.49	145	3991.32	136.09	3857.99	132.48	3.61	1.5	--
MW-19	04/10/14	2"	124.49 - 144.49	145	3991.32	136.16	3857.97	132.49	3.67	2.0	--
MW-19	04/24/14	2"	124.49 - 144.49	145	3991.32	136.19	3857.85	132.64	3.55	2.3	--
MW-19	05/08/14	2"	124.49 - 144.49	145	3991.32	136.14	3857.92	132.56	3.58	2.0	--
MW-19	06/19/14	2"	124.49 - 144.49	145	3991.32	136.21	3857.87	132.60	3.61	2.0	--
MW-19	07/03/14	2"	124.49 - 144.49	145	3991.32	136.22	3857.88	132.59	3.63	1.5	--
MW-19	08/01/14	2"	124.49 - 144.49	145	3991.32	136.20	3857.87	132.60	3.60	2.0	--
MW-19	08/28/14	2"	124.49 - 144.49	145	3991.32	136.35	3857.76	132.70	3.65	1.3	--
MW-19	09/11/14	2"	124.49 - 144.49	145	3991.32	136.47	3857.63	132.84	3.63	1.5	--
MW-19	09/25/14	2"	124.49 - 144.49	145	3991.32	136.58	3857.55	132.91	3.67	1.5	--
MW-19	10/24/14	2"	124.49 - 144.49	145	3991.32	136.62	3857.53	132.92	3.70	1.8	--
MW-19	10/27/14	2"	124.49 - 144.49	145	3991.32	136.52	3857.57	132.90	3.62	--	--
MW-19	01/13/15	2"	124.49 - 144.49	145	3991.32	135.97	3857.58	133.01	2.96	2.0	--
MW-19	01/29/15	2"	124.49 - 144.49	145	3991.32	136.70	3857.33	133.10	3.60	1.5	--
MW-19	02/10/15	2"	124.49 - 144.49	145	3991.32	134.66	3858.67	131.99	2.67	2.0	--
MW-19	02/24/15	2"	124.49 - 144.49	145	3991.32	136.56	3857.53	132.87	3.69	1.5	0.25
MW-19	03/12/15	2"	124.49 - 144.49	145	3991.32	136.75	3857.33	133.08	3.67	1.3	--
MW-19	03/26/15	2"	124.49 - 144.49	145	3991.32	136.74	3857.21	133.24	3.50	2.0	--
MW-19	04/09/15	2"	124.49 - 144.49	145	3991.32	136.76	3857.24	133.19	3.57	1.5	--
MW-19	04/21/15	2"	124.49 - 144.49	145	3991.32	136.82	3857.24	133.17	3.65	1.0	--
MW-19	05/06/15	2"	124.49 - 144.49	145	3991.32	136.79	3857.28	133.13	3.66	2.8	--
MW-19	05/21/15	2"	124.49 - 144.49	145	3991.32	136.78	3857.24	133.19	3.59	3.0	--
MW-19	06/04/15	2"	124.49 - 144.49	145	3991.32	136.80	3857.26	133.15	3.65	1.0	--
MW-19	07/02/15	2"	124.49 - 144.49	145	3991.32	136.95	3857.14	133.26	3.69	2.0	--
MW-19	07/16/15	2"	124.49 - 144.49	145	3991.32	137.03	3857.07	133.33	3.70	2.0	--
MW-19	07/30/15	2"	124.49 - 144.49	145	3991.32	130.77	3860.57	130.74	0.03	--	--
MW-19	08/28/15	2"	124.49 - 144.49	145	3991.32	137.08	3857.08	133.31	3.77	42.6	2064
MW-19	09/10/15	2"	124.49 - 144.49	145	3991.32	137.18	3856.94	133.45	3.73	1.5	--
MW-19	09/25/15	2"	124.49 - 144.49	145	3991.32	137.08	3857.01	133.39	3.69	3.0	--
MW-19	10/08/15	2"	124.49 - 144.49	145	3991.32	136.99	3857.04	133.38	3.61	2.5	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-19	10/26/15	2"	124.49 - 144.49	145	3991.32	136.75	3857.22	133.23	3.52	--	--
MW-19	11/05/15	2"	124.49 - 144.49	145	3991.32	136.93	3857.03	133.42	3.51	1.5	--
MW-19	12/11/15	2"	124.49 - 144.49	145	3991.32	136.90	3857.02	133.44	3.46	44.6	2120
MW-19	01/14/16	2"	124.49 - 144.49	145	3991.32	136.70	3856.88	133.70	3.00	1.3	--
MW-19	02/25/16	2"	124.49 - 144.49	145	3991.32	137.48	3856.64	133.75	3.73	1.5	--
MW-19	02/29/16	2"	124.49 - 144.49	145	3991.32	137.48	3856.65	133.75	3.73	--	--
MW-19	03/10/16	2"	124.49 - 144.49	145	3991.32	137.48	3856.65	133.74	3.74	1.5	--
MW-19	03/22/16	2"	124.49 - 144.49	145	3991.32	137.50	3856.64	133.75	3.75	1.5	--
MW-19	04/04/16	2"	124.49 - 144.49	145	3991.32	137.60	3856.56	133.82	3.78	1.5	--
MW-19	04/21/16	2"	124.49 - 144.49	145	3991.32	137.65	3856.51	133.88	3.77	2.0	--
MW-19	05/20/16	2"	124.49 - 144.49	145	3991.32	137.76	3856.45	133.92	3.84	1.5	--
MW-19	06/02/16	2"	124.49 - 144.49	145	3991.32	137.76	3856.45	133.92	3.84	1.5	--
MW-19	06/16/16	2"	124.49 - 144.49	145	3991.32	137.84	3856.41	133.94	3.90	1.5	--
MW-19	06/30/16	2"	124.49 - 144.49	145	3991.32	137.76	3856.45	133.92	3.84	1.5	--
MW-19	07/14/16	2"	124.49 - 144.49	145	3991.32	137.32	3856.57	133.90	3.42	1.5	--
MW-19	07/25/16	2"	124.49 - 144.49	145	3991.32	136.95	3856.75	133.79	3.16	2.3	--
MW-19	08/22/16	2"	124.49 - 144.49	145	3991.32	136.62	3856.87	133.73	2.89	1.0	--
MW-19	09/09/16	2"	124.49 - 144.49	145	3991.32	136.65	3856.90	133.69	2.96	--	--
MW-19	09/22/16	2"	124.49 - 144.49	145	3991.32	136.71	3856.86	133.72	2.99	1.5	--
MW-19	10/06/16	2"	124.49 - 144.49	145	3991.32	136.70	3856.88	133.69	3.01	1.5	--
MW-19	10/20/16	2"	124.49 - 144.49	145	3991.32	135.78	3857.10	133.70	2.08	0.4	--
MW-19	11/03/16	2"	124.49 - 144.49	145	3991.32	135.58	3857.23	133.60	1.98	2.0	--
MW-19	11/16/16	2"	124.49 - 144.49	145	3991.32	135.30	3857.41	133.45	1.85	1.9	--
MW-19	11/28/16	2"	124.49 - 144.49	145	3991.32	135.47	3857.30	133.54	1.93	1.0	--
MW-19	12/15/16	2"	124.49 - 144.49	145	3991.32	135.51	3857.31	133.52	1.99	1.0	--
MW-19	02/06/17	2"	124.49 - 144.49	145	3991.32	134.81	3857.61	133.35	1.46	1.0	--
MW-19	02/28/17	2"	124.49 - 144.49	145	3991.32	134.90	3857.59	133.35	1.55	--	--
MW-19	03/08/17	2"	124.49 - 144.49	145	3991.32	134.76	3857.63	133.34	1.42	0.5	--
MW-19	03/25/17	2"	124.49 - 144.49	145	3991.32	134.70	3857.69	133.28	1.42	0.8	--
MW-19	04/13/17	2"	124.49 - 144.49	145	3991.32	134.22	3857.83	133.25	0.97	1.0	--
MW-19	05/01/17	2"	124.49 - 144.49	145	3991.32	133.85	3858.00	133.15	0.70	0.5	--
MW-19	06/12/17	2"	124.49 - 144.49	145	3991.32	133.68	3858.08	133.10	0.58	0.5	--
MW-19	06/26/17	2"	124.49 - 144.49	145	3991.32	133.51	3858.16	133.04	0.47	0.5	--
MW-19	07/24/17	2"	124.49 - 144.49	145	3991.32	133.96	3858.06	133.03	0.93	0.5	--
MW-19	08/07/17	2"	124.49 - 144.49	145	3991.32					0.8	--
MW-19	08/28/17	2"	124.49 - 144.49	145	3991.32	134.26	3857.98	133.04	1.22	0.2	--
MW-19	09/20/17	2"	124.49 - 144.49	145	3991.32	133.98	3858.05	133.03	0.95	0.3	--
MW-19	10/16/17	2"	124.49 - 144.49	145	3991.32	134.02	3858.07	133.00	1.02	0.2	--
MW-19	10/31/17	2"	124.49 - 144.49	145	3991.32	134.05	3858.06	133.00	1.05	0.5	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-19	11/13/17	2"	124.49 - 144.49	145	3991.32	134.16	3858.01	133.03	1.13	0.5	--
MW-19	11/27/17	2"	124.49 - 144.49	145	3991.32	134.20	3858.02	133.00	1.20	0.5	--
MW-19	12/11/17	2"	124.49 - 144.49	145	3991.32	134.19	3858.03	132.99	1.20	0.8	--
MW-19	01/02/18	2"	124.49 - 144.49	145	3991.32	134.34	3857.95	133.05	1.29	1.0	--
MW-19	01/08/18	2"	124.49 - 144.49	145	3991.32	134.49	3857.94	133.01	1.48	1.0	--
MW-19	01/24/18	2"	124.49 - 144.49	145	3991.32	134.83	3857.73	133.18	1.65	0.5	--
MW-19	02/05/18	2"	124.49 - 144.49	145	3991.32	134.45	3857.98	132.98	1.47	0.5	--
MW-19	02/23/18	2"	124.49 - 144.49	145	3991.32	134.18	3858.07	132.94	1.24	0.8	--
MW-19	03/05/18	2"	124.49 - 144.49	145	3991.32	134.30	3857.92	133.10	1.20	1.0	--
MW-19	04/03/18	2"	124.49 - 144.49	145	3991.32	134.36	3857.89	133.12	1.24	--	--
MW-19	04/16/18	2"	124.49 - 144.49	145	3991.32	134.42	3857.98	132.99	1.43	0.8	--
MW-19	04/30/18	2"	124.49 - 144.49	145	3991.32	134.69	3857.84	133.08	1.61	0.8	--
MW-19	05/14/18	2"	124.49 - 144.49	145	3991.32	134.81	3857.80	133.10	1.71	0.4	--
MW-19	06/01/18	2"	124.49 - 144.49	145	3991.32	135.04	3857.72	133.12	1.92	1.0	--
MW-19	06/11/18	2"	124.49 - 144.49	145	3991.32	135.21	3857.62	133.20	2.01	2.0	--
MW-19	06/25/18	2"	124.49 - 144.49	145	3991.32	135.62	3857.37	133.40	2.22	1.0	--
MW-19	07/09/18	2"	124.49 - 144.49	145	3991.32	135.95	3857.33	133.35	2.60	1.0	--
MW-19	07/23/18	2"	124.49 - 144.49	145	3991.32	135.96	3857.32	133.36	2.60	0.8	--
MW-19	08/06/18	2"	124.49 - 144.49	145	3991.32	136.06	3857.30	133.35	2.71	1.5	--
MW-19	08/20/18	2"	124.49 - 144.49	145	3991.32	135.86	3857.31	133.40	2.46	1.3	--
MW-19	08/27/18	2"	124.49 - 144.49	145	3991.32	135.77	3857.40	133.31	2.46	--	--
MW-19	10/01/18	2"	124.49 - 144.49	145	3991.32	135.76	3857.37	133.35	2.41	1.5	--
MW-19	10/15/18	2"	124.49 - 144.49	145	3991.32	135.68	3857.41	133.32	2.36	1.5	--
MW-19	11/13/18	2"	124.49 - 144.49	145	3991.32	135.78	3857.30	133.44	2.34	1.5	--
MW-19	12/03/18	2"	124.49 - 144.49	145	3991.32	136.33	3857.12	133.50	2.83	1.5	--
MW-19	12/11/18	2"	124.49 - 144.49	145	3991.32	136.54	3857.09	133.47	3.07	1.3	--
MW-19	01/28/19	2"	124.49 - 144.49	145	3991.32	137.06	3856.90	133.55	3.51	--	--
MW-19	03/05/19	2"	124.49 - 144.49	145	3991.32	137.86	3856.44	133.90	3.96	1.0	--
MW-19	3/18/19	2"	124.49 - 144.49	145	3991.32	137.75	3856.51	133.84	3.91	1.0	1
MW-19	04/05/19	2"	124.49 - 144.49	145	3991.32	137.63	3841.49	153.85	-16.22	2.5	--
MW-19	4/18/19	2"	124.49 - 144.49	145	3991.32	137.64	3856.44	133.97	3.67	1.5	--
MW-19	4/29/19	2"	124.49 - 144.49	145	3991.32	137.62	3856.44	133.97	3.65	1.5	--
MW-19	5/29/19	2"	124.49 - 144.49	145	3991.32	137.58	3856.51	133.90	3.68	1.6	--
MW-19	6/10/19	2"	124.49 - 144.49	145	3991.32	137.59	3856.48	133.93	3.66	1.5	--
MW-19	6/24/19	2"	124.49 - 144.49	145	3991.32	137.47	3856.58	133.84	3.63	1.5	--
MW-19	7/12/19	2"	124.49 - 144.49	145	3991.32	137.60	3856.49	133.91	3.69	2.0	0.3
MW-19	7/22/19	2"	124.49 - 144.49	145	3991.32	137.73	3856.43	133.96	3.77	1.0	--
MW-19	8/5/19	2"	124.49 - 144.49	145	3991.32	137.66	3856.45	133.95	3.71	2.2	1



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-19	8/19/19	2"	124.49 - 144.49	145	3991.32	137.18	3856.55	133.97	3.21	2.0	1
MW-19	9/6/19	2"	124.49 - 144.49	145	3991.32	137.63	3856.48	133.92	3.71	1.5	0.8
MW-19	9/16/19	2"	124.49 - 144.49	145	3991.32	137.72	3856.42	133.97	3.75	2.5	--
MW-19	9/30/19	2"	124.49 - 144.49	145	3991.32	137.74	3856.38	134.01	3.73	1.0	--
MW-19	12/16/19	2"	124.49 - 144.49	145	3991.32	138.04	3856.15	134.22	3.82	--	--
MW-19	01/30/20	2"	124.49 - 144.49		3991.32	137.95	3856.21	134.18	3.77	1.0	--
MW-19	02/12/20	2"	124.49 - 144.49		3991.32	137.96	3856.23	134.15	3.81	1.5	--
MW-19	02/27/20	2"	124.49 - 144.49		3991.32	138.01	3856.18	134.19	3.82	2.0	--
MW-19	03/13/20	2"	124.49 - 144.49		3991.32	138.00	3856.15	134.24	3.76	2.0	--
MW-19	03/27/20	2"	124.49 - 144.49		3991.32	138.08	3856.11	134.26	3.82	--	--
MW-19	04/06/20	2"	124.49 - 144.49	147.42	3991.32	137.95	3856.17	134.22	3.73	--	--
MW-19	04/07/20	2"	124.49 - 144.49		3991.32	137.95	3856.17	134.22	3.73	2.0	--
MW-19	04/23/20	2"	124.49 - 144.49		3991.32	138.02	3856.10	134.30	3.72	--	--
MW-19	05/12/20	2"	124.49 - 144.49		3991.32	137.92	3856.16	134.25	3.67	2.5	--
MW-20	10/22/03	2"	124.49 - 144.49	145	3992.62	131.55	3861.07	--	--	--	--
MW-20	02/16/05	2"	124.49 - 144.49	145	3992.62	130.65	3861.97	--	--	--	--
MW-20	04/07/06	2"	124.49 - 144.49	145	3992.62	131.63	3860.99	--	--	--	--
MW-20	06/29/06	2"	124.49 - 144.49	145	3992.62	----- not gauged -----					
MW-20	10/12/06	2"	124.49 - 144.49	145	3992.62	131.85	3860.77	--	--	--	--
MW-20	04/26/07	2"	124.49 - 144.49	145	3992.62	131.79	3860.83	--	--	--	--
MW-20	10/18/07	2"	124.49 - 144.49	145	3992.62	131.84	3860.78	--	--	--	--
MW-20	05/14/08	2"	124.49 - 144.49	145	3992.62	131.70	3860.92	--	--	--	--
MW-20	10/15/08	2"	124.49 - 144.49	145	3992.62	131.87	3860.75	--	--	--	--
MW-20	04/09/09	2"	124.49 - 144.49	145	3992.62	132.17	3860.45	--	--	--	--
MW-20	09/29/09	2"	124.49 - 144.49	145	3992.62	132.52	3860.10	--	--	--	--
MW-20	04/05/10	2"	124.49 - 144.49	145	3992.62	132.71	3859.91	--	--	--	--
MW-20	10/04/10	2"	124.49 - 144.49	145	3992.62	132.91	3859.71	--	--	--	--
MW-20	04/18/11	2"	124.49 - 144.49	145	3992.62	133.29	3859.33	--	--	--	--
MW-20	10/18/11	2"	124.49 - 144.49	145	3992.62	134.12	3858.50	--	--	--	--
MW-20	04/23/12	2"	124.49 - 144.49	145	3992.62	133.29	3859.33	--	--	--	--
MW-20	11/05/12	2"	124.49 - 144.49	145	3992.62	133.04	3859.58	--	--	--	--
MW-20	04/23/13	2"	124.49 - 144.49	145	3992.62	133.25	3859.37	--	--	--	--
MW-20	10/21/13	2"	124.49 - 144.49	145	3992.62	133.70	3858.92	--	--	--	--
MW-20	02/11/14	2"	124.49 - 144.49	145	3992.62	133.80	3858.82	--	--	--	--
MW-20	10/27/14	2"	124.49 - 144.49	145	3992.62	134.45	3858.17	--	--	--	--
MW-20	02/24/15	2"	124.49 - 144.49	145	3992.62	134.34	3858.28	--	--	--	--
MW-20	10/26/15	2"	124.49 - 144.49	145	3992.62	134.80	3857.82	--	--	--	--
MW-20	02/29/16	2"	124.49 - 144.49	145	3992.62	134.94	3857.68	--	--	--	--
MW-20	08/22/16	2"	124.49 - 144.49	145	3992.62	134.97	3857.65	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-20	02/28/17	2"	124.49 - 144.49	145	3992.62	134.03	3858.59	--	--	--	--
MW-20	08/28/17	2"	124.49 - 144.49	145	3992.62	134.10	3858.52	--	--	--	--
MW-20	04/03/18	2"	124.49 - 144.49	145	3992.62	134.40	3858.22	--	--	--	--
MW-20	08/27/18	2"	124.49 - 144.49	145	3992.62	134.73	3857.89	--	--	--	--
MW-20	01/28/19	2"	124.49 - 144.49	145	3992.62	135.25	3857.37	--	--	--	--
MW-20	12/16/19	2"	124.49 - 144.49	145	3992.62	135.91	3856.71	--	--	--	--
MW-20	04/06/20	2"	124.49 - 144.49	146.15	3992.62	136.07	3856.55	--	--	--	--
MW-21	10/22/03	2"	124.49 - 144.49	145	3993.71	132.78	3860.93	--	--	--	--
MW-21	02/16/05	2"	124.49 - 144.49	145	3993.71	132.40	3861.31	--	--	--	--
MW-21	04/07/06	2"	124.49 - 144.49	145	3993.71	129.99	3863.72	--	--	--	--
MW-21	06/29/06	2"	124.49 - 144.49	145	3993.71	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----
MW-21	10/12/06	2"	124.49 - 144.49	145	3993.71	133.15	3860.56	--	--	--	--
MW-21	04/26/07	2"	124.49 - 144.49	145	3993.71	133.05	3860.66	--	--	--	--
MW-21	10/18/07	2"	124.49 - 144.49	145	3993.71	133.11	3860.6	--	--	--	--
MW-21	05/19/08	2"	124.49 - 144.49	145	3993.71	132.97	3860.74	--	--	--	--
MW-21	10/20/08	2"	124.49 - 144.49	145	3993.71	133.13	3860.58	--	--	--	--
MW-21	04/09/09	2"	124.49 - 144.49	145	3993.71	133.40	3860.31	--	--	--	--
MW-21	09/29/09	2"	124.49 - 144.49	145	3993.71	133.82	3859.89	--	--	--	--
MW-21	04/05/10	2"	124.49 - 144.49	145	3993.71	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----	----- not gauged -----
MW-21	10/04/10	2"	124.49 - 144.49	145	3993.71	132.17	3861.54	--	--	--	--
MW-21	04/18/11	2"	124.49 - 144.49	145	3993.71	134.58	3859.13	--	--	--	--
MW-21	10/18/11	2"	124.49 - 144.49	145	3993.71	131.63	3862.08	--	--	--	--
MW-21	04/23/12	2"	124.49 - 144.49	145	3993.71	134.57	3859.14	--	--	--	--
MW-21	11/05/12	2"	124.49 - 144.49	145	3993.71	134.20	3859.51	--	--	--	--
MW-21	04/23/13	2"	124.49 - 144.49	145	3993.71	134.50	3859.21	--	--	--	--
MW-21	10/21/13	2"	124.49 - 144.49	145	3993.71	135.05	3858.66	--	--	--	--
MW-21	02/11/14	2"	124.49 - 144.49	145	3993.71	135.08	3858.63	--	--	--	--
MW-21	10/27/14	2"	124.49 - 144.49	145	3993.71	135.87	3857.84	--	--	--	--
MW-21	02/24/15	2"	124.49 - 144.49	145	3993.71	135.90	3857.81	--	--	--	--
MW-21	10/26/15	2"	124.49 - 144.49	145	3993.71	136.41	3857.30	--	--	--	--
MW-21	02/29/16	2"	124.49 - 144.49	145	3993.71	136.45	3857.26	--	--	--	--
MW-21	08/22/16	2"	124.49 - 144.49	145	3993.71	136.32	3857.39	--	--	--	--
MW-21	02/28/17	2"	124.49 - 144.49	145	3993.71	135.90	3857.81	--	--	--	--
MW-21	08/28/17	2"	124.49 - 144.49	145	3993.71	135.40	3858.31	--	--	--	--
MW-21	04/03/18	2"	124.49 - 144.49	145	3993.71	135.61	3858.10	--	--	--	--
MW-21	08/27/18	2"	124.49 - 144.49	145	3993.71	136.10	3857.61	--	--	--	--
MW-21	01/28/19	2"	124.49 - 144.49	145	3993.71	136.47	3857.24	--	--	--	--
MW-21	12/16/19	2"	124.49 - 144.49	145	3993.71	137.39	3856.32	--	--	--	--
MW-21	04/06/20	2"	124.49 - 144.49	--	3993.71	--	--	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-22	10/18/07	2"	115 - 145	145	3989.01	130.32	3858.69	--	--	--	--
MW-22	05/19/08	2"	115 - 145	145	3989.01	130.07	3858.94	--	--	--	--
MW-22	10/14/08	2"	115 - 145	145	3989.01	130.27	3858.74	--	--	--	--
MW-22	04/09/09	2"	115 - 145	145	3989.01	130.64	3858.37	--	--	--	--
MW-22	09/29/09	2"	115 - 145	145	3989.01	131.40	3857.61	--	--	--	--
MW-22	04/05/10	2"	115 - 145	145	3989.01	131.63	3857.38	--	--	--	--
MW-22	10/04/10	2"	115 - 145	145	3989.01	131.97	3857.04	--	--	--	--
MW-22	04/18/11	2"	115 - 145	145	3989.01	132.41	3856.60	--	--	--	--
MW-22	10/18/11	2"	115 - 145	145	3989.01	132.68	3856.33	--	--	--	--
MW-22	04/23/12	2"	115 - 145	145	3989.01	131.72	3857.29	--	--	--	--
MW-22	11/05/12	2"	115 - 145	145	3989.01	131.32	3857.69	--	--	--	--
MW-22	04/23/13	2"	115 - 145	145	3989.01	131.49	3857.52	--	--	--	--
MW-22	10/21/13	2"	115 - 145	145	3989.01	132.52	3856.49	--	--	--	--
MW-22	02/11/14	2"	115 - 145	145	3989.01	133.15	3855.86	--	--	--	--
MW-22	10/27/14	2"	115 - 145	145	3989.01	134.23	3854.78	--	--	--	--
MW-22	02/24/15	2"	115 - 145	145	3989.01	134.40	3854.61	--	--	--	--
MW-22	10/26/15	2"	115 - 145	145	3989.01	135.11	3853.90	--	--	--	--
MW-22	02/29/16	2"	115 - 145	145	3989.01	134.78	3854.23	--	--	--	--
MW-22	08/22/16	2"	115 - 145	145	3989.01	133.81	3855.20	--	--	--	--
MW-22	02/28/17	2"	115 - 145	145	3989.01	132.80	3856.21	--	--	--	--
MW-22	08/28/17	2"	115 - 145	145	3989.01	132.32	3856.69	--	--	--	--
MW-22	04/03/18	2"	115 - 145	145	3989.01	133.09	3855.92	--	--	--	--
MW-22	08/27/18	2"	115 - 145	145	3989.01	133.47	3855.54	--	--	--	--
MW-22	01/28/19	2"	115 - 145	145	3989.01	134.76	3854.25	--	--	--	--
MW-22	12/16/19	2"	115 - 145	145	3989.01	135.99	3853.02	--	--	--	--
MW-22	04/06/20	2"	115 - 145	148.70	3989.01	136.00	3853.01	--	--	--	--
MW-23	10/18/07	2"	115 - 145	145	3989.77	131.15	3858.62	--	--	--	--
MW-23	05/15/08	2"	115 - 145	145	3989.77	130.99	3858.78	--	--	--	--
MW-23	10/14/08	2"	115 - 145	145	3989.77	131.02	3858.75	--	--	--	--
MW-23	04/09/09	2"	115 - 145	145	3989.77	130.98	3858.79	--	--	--	--
MW-23	09/29/09	2"	115 - 145	145	3989.77	131.48	3858.29	--	--	--	--
MW-23	04/05/10	2"	115 - 145	145	3989.77	131.88	3857.89	--	--	--	--
MW-23	10/04/10	2"	115 - 145	145	3989.77	132.06	3857.71	--	--	--	--
MW-23	04/18/11	2"	115 - 145	145	3989.77	132.40	3857.37	--	--	--	--
MW-23	10/18/11	2"	115 - 145	145	3989.77	133.12	3856.65	--	--	--	--
MW-23	04/23/12	2"	115 - 145	145	3989.77	132.17	3857.60	--	--	--	--
MW-23	11/05/12	2"	115 - 145	145	3989.77	132.01	3857.76	--	--	--	--
MW-23	04/23/13	2"	115 - 145	145	3989.77	132.12	3857.65	--	--	--	--
MW-23	10/21/13	2"	115 - 145	145	3989.77	132.53	3857.24	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-23	02/11/14	2"	115 - 145	145	3989.77	133.42	3856.35	--	--	--	--
MW-23	10/27/14	2"	115 - 145	145	3989.77	134.68	3855.09	--	--	--	--
MW-23	02/24/15	2"	115 - 145	145	3989.77	134.90	3854.87	--	--	--	--
MW-23	10/26/15	2"	115 - 145	145	3989.77	135.52	3854.25	--	--	--	--
MW-23	02/29/16	2"	115 - 145	145	3989.77	134.99	3854.78	--	--	--	--
MW-23	08/22/16	2"	115 - 145	145	3989.77	133.83	3855.94	--	--	--	--
MW-23	02/28/17	2"	115 - 145	145	3989.77	132.81	3856.96	--	--	--	--
MW-23	08/28/17	2"	115 - 145	145	3989.77	132.60	3857.17	--	--	--	--
MW-23	04/03/18	2"	115 - 145	145	3989.77	133.53	3856.24	--	--	--	--
MW-23	08/27/18	2"	115 - 145	145	3989.77	133.88	3855.89	--	--	--	--
MW-23	01/29/19	2"	115 - 145	145	3989.77	135.02	3854.75	--	--	--	--
MW-23	12/16/19	2"	115 - 145	145	3989.77	136.70	3853.07	--	--	--	--
MW-23	04/06/20	2"	115 - 145	149.21	3989.77	136.74	3853.03	--	--	--	--
MW-24	10/18/07	2"	115 - 145	145	3997.05	134.68	3862.37	--	--	--	--
MW-24	05/15/08	2"	115 - 145	145	3997.05	134.62	3862.43	--	--	--	--
MW-24	10/15/08	2"	115 - 145	145	3997.05	134.73	3862.32	--	--	--	--
MW-24	04/09/09	2"	115 - 145	145	3997.05	134.92	3862.13	--	--	--	--
MW-24	09/29/09	2"	115 - 145	145	3997.05	135.05	3862.00	--	--	--	--
MW-24	04/05/10	2"	115 - 145	145	3997.05	135.26	3861.79	--	--	--	--
MW-24	10/04/10	2"	115 - 145	145	3997.05	135.44	3861.61	--	--	--	--
MW-24	04/18/11	2"	115 - 145	145	3997.05	135.78	3861.27	--	--	--	--
MW-24	10/18/11	2"	115 - 145	145	3997.05	135.86	3861.19	--	--	--	--
MW-24	04/23/12	2"	115 - 145	145	3997.05	135.94	3861.11	--	--	--	--
MW-24	11/05/12	2"	115 - 145	145	3997.05	135.83	3861.22	--	--	--	--
MW-24	04/23/13	2"	115 - 145	145	3997.05	136.07	3860.98	--	--	--	--
MW-24	10/21/13	2"	115 - 145	145	3997.05	136.15	3860.90	--	--	--	--
MW-24	02/11/14	2"	115 - 145	145	3997.05	136.28	3860.77	--	--	--	--
MW-24	10/27/14	2"	115 - 145	145	3997.05	136.68	3860.37	--	--	--	--
MW-24	02/24/15	2"	115 - 145	145	3997.05	136.86	3860.19	--	--	--	--
MW-24	10/26/15	2"	115 - 145	145	3997.05	136.93	3860.12	--	--	--	--
MW-24	02/29/16	2"	115 - 145	145	3997.05	137.11	3859.94	--	--	--	--
MW-24	08/22/16	2"	115 - 145	145	3997.05	137.23	3859.82	--	--	--	--
MW-24	02/28/17	2"	115 - 145	145	3997.05	136.90	3860.15	--	--	--	--
MW-24	08/28/17	2"	115 - 145	145	3997.05	136.70	3860.35	--	--	--	--
MW-24	04/03/18	2"	115 - 145	145	3997.05	137.01	3860.04	--	--	--	--
MW-24	08/27/18	2"	115 - 145	145	3997.05	137.80	3859.25	--	--	--	--
MW-24	01/28/19	2"	115 - 145	145	3997.05	137.63	3859.42	--	--	--	--
MW-24	12/16/19	2"	115 - 145	145	3997.05	138.27	3858.78	--	--	--	--
MW-24	04/06/20	2"	115 - 145	148.62	3997.05	138.46	3858.59	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
MW-25	04/02/15	2"	120 - 150	150	3991.88	131.15	3860.73	--	--	--	--
MW-25	04/09/15	2"	120 - 150	150	3991.88	131.12	3860.76	--	--	--	--
MW-25	04/21/15	2"	120 - 150	150	3991.88	131.11	3860.77	--	--	--	--
MW-25	06/04/15	2"	120 - 150	150	3991.88	133.54	3858.34	--	--	--	--
MW-25	10/26/15	2"	120 - 150	150	3991.88	131.20	3860.68	--	--	--	--
MW-25	02/29/16	2"	120 - 150	150	3991.88	131.55	3860.33	--	--	--	--
MW-25	08/22/16	2"	120 - 150	150	3991.88	131.52	3860.36	--	--	--	--
MW-25	02/28/17	2"	120 - 150	150	3991.88	130.30	3861.58	--	--	--	--
MW-25	08/28/17	2"	120 - 150	150	3991.88	130.73	3861.15	--	--	--	--
MW-25	04/03/18	2"	120 - 150	150	3991.88	130.83	3861.05	--	--	--	--
MW-25	08/27/18	2"	120 - 150	150	3991.88	131.23	3860.65	--	--	--	--
MW-25	01/28/19	2"	120 - 150	150	3991.88	131.82	3860.06	--	--	--	--
MW-25	12/16/19	2"	120 - 150	150	3991.88	132.22	3859.66	--	--	--	--
MW-25	04/06/20	2"	120 - 150	149.90	3991.88	132.49	3859.39	--	--	--	--
MW-26	04/02/15	2"	120 - 150	150	3991.13	135.60	3855.53	--	--	--	--
MW-26	04/09/15	2"	120 - 150	150	3991.13	133.54	3857.59	--	--	--	--
MW-26	04/21/15	2"	120 - 150	150	3991.13	133.52	3857.61	--	--	--	--
MW-26	06/04/15	2"	120 - 150	150	3991.13	131.15	3859.98	--	--	--	--
MW-26	10/26/15	2"	120 - 150	150	3991.13	133.61	3857.52	--	--	--	--
MW-26	02/29/16	2"	120 - 150	150	3991.13	134.00	3857.13	--	--	--	--
MW-26	08/22/16	2"	120 - 150	150	3991.13	133.90	3857.23	--	--	--	--
MW-26	02/28/17	2"	120 - 150	150	3991.13	133.20	3857.93	--	--	--	--
MW-26	08/28/17	2"	120 - 150	150	3991.13	133.07	3858.06	--	--	--	--
MW-26	04/03/18	2"	120 - 150	150	3991.13	133.11	3858.02	--	--	--	--
MW-26	08/27/18	2"	120 - 150	150	3991.13	133.58	3857.55	--	--	--	--
MW-26	01/28/19	2"	120 - 150	150	3991.13	134.20	3856.93	--	--	--	--
MW-26	12/16/19	2"	120 - 150	150	3991.13	134.56	3856.57	--	--	--	--
MW-26	04/06/20	2"	120 - 150	151.89	3991.13	134.70	3856.43	--	--	--	--
EW-1	04/05/10	4"	120 - 145	145	3987.79	not gauged		not gauged			
EW-1	10/04/10	4"	120 - 145	145	3987.79	127.70	3860.09	not gauged			
EW-1	03/30/11	4"	120 - 145	145	3987.79	131.85	3858.93	127.95	3.90	5.0	0
EW-1	04/07/11	4"	120 - 145	145	3987.79	131.82	3858.87	128.03	3.79	4.0	0
EW-1	04/13/11	4"	120 - 145	145	3987.79	131.67	3858.81	128.16	3.51	3.8	0.05
EW-1	04/18/11	4"	120 - 145	145	3987.79	not gauged		not gauged			
EW-1	05/03/11	4"	120 - 145	145	3987.79	132.00	3858.78	128.10	3.90	3.5	0.1
EW-1	05/10/11	4"	120 - 145	145	3987.79	131.65	3858.75	128.24	3.41	3.0	0.5
EW-1	05/17/11	4"	120 - 145	145	3987.79	131.24	3858.79	128.32	2.92	3.5	0
EW-1	05/24/11	4"	120 - 145	145	3987.79	131.01	3858.70	128.50	2.51	--	--
EW-1	06/28/11	4"	120 - 145	145	3987.79	130.57	3858.55	128.84	1.73	2.0	0.01



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
EW-1	08/24/11	4"	120 - 145	145	3987.79	132.22	3858.63	128.23	3.99	4.0	0
EW-1	08/25/11	4"	120 - 145	145	3987.79	131.00	3858.58	128.66	2.34	2.5	0
EW-1	10/18/11	4"	120 - 145	145	3987.79	131.89	3858.34	128.70	3.19	2.8	0
EW-1	02/01/12	4"	120 - 145	145	3987.79	131.68	3858.17	128.99	2.69	4.5	0
EW-1	02/16/12	4"	120 - 145	145	3987.79	131.36	3858.95	128.07	3.29	3.0	0
EW-1	02/28/12	4"	120 - 145	145	3987.79	131.41	3858.88	128.14	3.27	2.5	0
EW-1	03/12/12	4"	120 - 145	145	3987.79	131.43	3858.84	128.19	3.24	3.7	0
EW-1	03/29/12	4"	120 - 145	145	3987.79	131.51	3858.94	128.04	3.47	3.0	0
EW-1	04/10/12	4"	120 - 145	145	3987.79	131.28	3859.01	128.01	3.27	2.5	0.5
EW-1	04/23/12	4"	120 - 145	145	3987.79	131.39	3858.88	128.15	3.24	--	--
EW-1	05/08/12	4"	120 - 145	145	3987.79	131.32	3858.91	128.14	3.18	1.8	0
EW-1	05/21/12	4"	120 - 145	145	3987.79	131.10	3859.01	128.07	3.03	4.0	0
EW-1	06/04/12	4"	120 - 145	145	3987.79	130.75	3858.94	128.27	2.48	1.5	0
EW-1	06/18/12	4"	120 - 145	145	3987.79	131.00	3859.06	128.04	2.96	3.0	0
EW-1	07/03/12	4"	120 - 145	145	3987.79	130.91	3858.97	128.18	2.73	1.5	0
EW-1	07/16/12	4"	120 - 145	145	3987.79	130.96	3859.08	128.02	2.94	3.0	0
EW-1	08/02/12	4"	120 - 145	145	3987.79	130.95	3859.08	128.03	2.92	3.0	0
EW-1	08/17/12	4"	120 - 145	145	3987.79	130.97	3859.06	128.05	2.92	0.0	0
EW-1	08/28/12	4"	120 - 145	145	3987.79	130.31	3859.17	128.11	2.20	2.0	0
EW-1	9/21/012	4"	120 - 145	145	3987.79	130.56	3859.25	127.92	2.64	2.2	0
EW-1	09/24/12	4"	120 - 145	145	3987.79	130.30	3859.32	127.91	2.39	2.0	0
EW-1	10/08/12	4"	120 - 145	145	3987.79	129.50	3859.51	127.91	1.59	2.0	0
EW-1	10/22/12	4"	120 - 145	145	3987.79	130.27	3859.15	128.10	2.17	2.0	0
EW-1	11/05/12	4"	120 - 145	145	3987.79	129.46	3859.59	127.79	1.67	--	--
EW-1	11/20/12	4"	120 - 145	145	3987.79	130.03	3859.20	128.12	1.91	1.5	0
EW-1	01/08/13	4"	120 - 145	145	3987.79	130.25	3859.20	128.04	2.21	1.0	0
EW-1	01/21/13	4"	120 - 145	145	3987.79	130.59	3859.15	128.00	2.59	2.0	0
EW-1	01/30/13	4"	120 - 145	145	3987.79	130.36	3859.25	127.94	2.42	1.3	--
EW-1	02/13/13	4"	120 - 145	145	3987.79	130.33	3859.29	127.90	2.43	--	--
EW-1	02/18/13	4"	120 - 145	145	3987.79	130.49	3859.10	128.09	2.40	1.5	0
EW-1	03/04/13	4"	120 - 145	145	3987.79	130.42	3859.21	127.97	2.45	--	--
EW-1	03/18/13	4"	120 - 145	145	3987.79	130.56	3859.15	128.01	2.55	1.3	0
EW-1	04/01/13	4"	120 - 145	145	3987.79	130.53	3859.12	128.06	2.47	1.0	0
EW-1	04/15/13	4"	120 - 145	145	3987.79	130.54	3859.20	127.95	2.59	1.8	1.25
EW-1	04/23/13	4"	120 - 145	145	3987.79	130.59	3859.12	128.04	2.55	--	--
EW-1	05/28/13	4"	120 - 145	145	3987.79	130.64	3859.14	128.00	2.64	3.0	0
EW-1	06/12/13	4"	120 - 145	145	3987.79	130.62	3859.15	127.99	2.63	2.0	0.25
EW-1	06/26/13	4"	120 - 145	145	3987.79	131.70	3858.87	128.00	3.70	2.5	0.25
EW-1	07/24/13	4"	120 - 145	145	3987.79	131.22	3858.84	128.20	3.02	3.0	0



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
EW-1	08/06/13	4"	120 - 145	145	3987.79	131.48	3858.71	128.29	3.19	4.0	--
EW-1	08/21/13	4"	120 - 145	145	3987.79	131.74	3858.52	128.45	3.29	3.5	--
EW-1	09/03/13	4"	120 - 145	145	3987.79	131.75	3858.50	128.48	3.27	3.0	--
EW-1	09/18/13	4"	120 - 145	145	3987.79	131.76	3858.51	128.46	3.30	3.0	--
EW-1	10/02/13	4"	120 - 145	145	3987.79	131.90	3858.21	128.81	3.09	3.0	--
EW-1	10/16/13	4"	120 - 145	145	3987.79	131.78	3858.12	128.97	2.81	2.5	--
EW-1	10/21/13	4"	120 - 145	145	3987.79	135.94	3854.71	132.14	3.80	--	--
EW-1	10/30/13	4"	120 - 145	145	3987.79	130.95	3858.01	129.40	1.55	2.0	0.5
EW-1	11/13/13	4"	120 - 145	145	3987.79	130.85	3858.12	129.28	1.57	1.5	--
EW-1	12/04/13	4"	120 - 145	145	3987.79	131.68	3858.25	128.84	2.84	2.0	--
EW-1	12/12/13	4"	120 - 145	145	3987.79	132.20	3858.17	128.77	3.43	3.0	--
EW-1	12/30/13	4"	120 - 145	145	3987.79	131.82	3858.26	128.78	3.04	1.5	--
EW-1	02/11/14	4"	120 - 145	145	3987.79	132.34	3858.23	128.64	3.70	--	--
EW-1	02/25/14	4"	120 - 145	145	3987.79	132.51	3858.11	128.75	3.76	3.0	0.5
EW-1	02/25/14	4"	120 - 145	145	3987.79	129.92	3858.16	129.54	0.38	--	--
EW-1	03/13/14	4"	120 - 145	145	3987.79	132.19	3858.01	128.98	3.21	3.0	0.25
EW-1	03/27/14	4"	120 - 145	145	3987.79	130.02	3857.93	129.81	0.21	--	--
EW-1	04/10/14	4"	120 - 145	145	3987.79	131.12	3857.92	129.46	1.66	1.8	--
EW-1	04/10/14	4"	120 - 145	145	3987.79	130.06	3857.91	129.82	0.24	--	--
EW-1	04/24/14	4"	120 - 145	145	3987.79	131.11	3857.79	129.63	1.48	1.5	--
EW-1	04/24/14	4"	120 - 145	145	3987.79	130.07	3857.80	129.96	0.11	--	--
EW-1	05/08/14	4"	120 - 145	145	3987.79	130.82	3857.86	129.63	1.19	0.8	--
EW-1	05/08/14	4"	120 - 145	145	3987.79	130.04	3857.87	129.88	0.16	--	--
EW-1	06/19/14	4"	120 - 145	145	3987.79	131.08	3857.80	129.63	1.45	1.5	--
EW-1	06/19/14	4"	120 - 145	145	3987.79	130.08	3857.82	129.93	0.15	--	--
EW-1	07/03/14	4"	120 - 145	145	3987.79	130.69	3857.83	129.72	0.97	0.8	--
EW-1	07/03/14	4"	120 - 145	145	3987.79	130.09	3857.82	129.93	0.16	--	--
EW-1	08/01/14	4"	120 - 145	145	3987.79	130.77	3857.83	129.69	1.08	0.5	--
EW-1	08/01/14	4"	120 - 145	145	3987.79	130.17	3857.86	129.85	0.32	--	--
EW-1	08/28/14	4"	120 - 145	145	3987.79	130.73	3857.74	129.83	0.90	0.8	--
EW-1	08/28/14	4"	120 - 145	145	3987.79	130.29	3857.76	129.94	0.35	--	--
EW-1	09/11/14	4"	120 - 145	145	3987.79	130.99	3857.58	129.95	1.04	0.8	--
EW-1	09/11/14	4"	120 - 145	145	3987.79	130.28	3857.59	130.17	0.11	--	--
EW-1	09/25/14	4"	120 - 145	145	3987.79	130.68	3857.52	130.14	0.54	0.5	--
EW-1	09/25/14	4"	120 - 145	145	3987.79	130.40	3857.50	130.25	0.15	--	--
EW-1	10/24/14	4"	120 - 145	145	3987.79	130.53	3857.49	130.22	0.31	0.3	--
EW-1	10/27/14	4"	120 - 145	145	3987.79	130.45	3857.53	130.20	0.25	--	--
EW-1	01/13/15	4"	120 - 145	145	3987.79	130.55	3857.35	130.40	0.15	0.3	--
EW-1	01/29/15	4"	120 - 145	145	3987.79	130.84	3857.32	130.35	0.49	0.5	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
EW-1	02/10/15	4"	120 - 145	145	3987.79	130.62	3857.44	130.26	0.36	0.3	--
EW-1	02/24/15	4"	120 - 145	145	3987.79	130.44	3857.60	130.11	0.33	0.8	0.25
EW-1	03/12/15	4"	120 - 145	145	3987.79	130.65	3857.36	130.36	0.29	0.1	--
EW-1	03/26/15	4"	120 - 145	145	3987.79	130.81	3857.21	130.50	0.31	0.4	--
EW-1	04/09/15	4"	120 - 145	145	3987.79	130.73	3857.26	130.46	0.27	0.1	--
EW-1	04/21/15	4"	120 - 145	145	3987.79	130.67	3857.26	130.49	0.18	trace	--
EW-1	05/06/15	4"	120 - 145	145	3987.79	130.67	3857.29	130.45	0.22	0.1	--
EW-1	05/21/15	4"	120 - 145	145	3987.79	130.69	3857.24	130.51	0.18	0.5	--
EW-1	06/04/15	4"	120 - 145	145	3987.79	130.60	3857.28	130.48	0.12	0.1	--
EW-1	07/02/15	4"	120 - 145	145	3987.79	130.74	3857.16	130.59	0.15	3.0	--
EW-1	07/16/15	4"	120 - 145	145	3987.79	130.80	3857.08	130.68	0.12	0.1	--
EW-1	07/30/15	4"	120 - 145	145	3987.79	134.46	3853.53	134.20	0.26	--	--
EW-1	08/28/15	4"	120 - 145	145	3987.79	130.74	3857.12	130.65	0.09	1.8	1428
EW-1	09/10/15	4"	120 - 145	145	3987.79	130.87	3856.94	130.84	0.03	--	--
EW-1	09/25/15	4"	120 - 145	145	3987.79	130.80	3857.02	130.76	0.04	--	--
EW-1	10/08/15	4"	120 - 145	145	3987.79	130.75	3857.06	130.73	0.02	0.1	--
EW-1	10/26/15	4"	120 - 145	145	3987.79	130.56	3857.25	130.54	0.02	--	--
EW-1	11/05/15	4"	120 - 145	145	3987.79	130.75	3857.04	--	--	--	--
EW-1	01/14/16	4"	120 - 145	145	3987.79	130.90	3856.89	--	--	--	--
EW-1	02/25/16	4"	120 - 145	145	3987.79	131.13	3856.66	--	--	--	--
EW-1	02/29/16	4"	120 - 145	145	3987.79	131.13	3856.67	131.12	0.01	--	--
EW-1	03/10/16	4"	120 - 145	145	3987.79	131.11	3856.68	--	--	--	--
EW-1	03/22/16	4"	120 - 145	145	3987.79	131.10	3856.69	--	--	--	--
EW-1	04/04/16	4"	120 - 145	145	3987.79	131.26	3856.53	--	--	--	--
EW-1	04/21/16	4"	120 - 145	145	3987.79	131.22	3856.57	--	--	--	--
EW-1	05/20/16	4"	120 - 145	145	3987.79	131.32	3856.47	--	--	--	--
EW-1	06/02/16	4"	120 - 145	145	3987.79	131.32	3856.48	131.31	0.01	--	--
EW-1	06/16/16	4"	120 - 145	145	3987.79	131.36	3856.44	131.35	0.01	1.5	--
EW-1	06/30/16	4"	120 - 145	145	3987.79	131.51	3856.39	131.36	0.15	1.5	--
EW-1	07/14/16	4"	120 - 145	145	3987.79	131.15	3856.64	--	--	--	--
EW-1	07/25/16	4"	120 - 145	145	3987.79	130.99	3856.80	--	--	--	--
EW-1	08/22/16	4"	120 - 145	145	3987.79	130.92	3856.87	--	--	--	--
EW-1	09/09/16	4"	120 - 145	145	3987.79	130.93	3856.86	--	--	--	--
EW-1	09/22/16	4"	120 - 145	145	3987.79	131.07	3856.72	--	--	--	--
EW-1	10/06/16	4"	120 - 145	145	3987.79	131.08	3856.71	--	--	--	--
EW-1	10/20/16	4"	120 - 145	145	3987.79	130.65	3857.14	--	--	--	--
EW-1	11/03/16	4"	120 - 145	145	3987.79	130.55	3857.24	--	--	--	--
EW-1	11/16/16	4"	120 - 145	145	3987.79	130.41	3857.38	--	--	--	--
EW-1	11/28/16	4"	120 - 145	145	3987.79	130.50	3857.29	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
EW-1	12/15/16	4"	120 - 145	145	3987.79	130.53	3857.26	--	--	--	--
EW-1	02/28/17	4"	120 - 145	145	3987.79	130.21	3857.58	--	--	--	--
EW-1	03/08/17	4"	120 - 145	145	3987.79	133.75	3854.04	--	--	--	--
EW-1	03/25/17	4"	120 - 145	145	3987.79	133.70	3854.09	--	--	--	--
EW-1	04/13/17	4"	120 - 145	145	3987.79	129.98	3857.81	--	--	--	--
EW-1	05/01/17	4"	120 - 145	145	3987.79	129.85	3857.94	--	--	--	--
EW-1	06/12/17	4"	120 - 145	145	3987.79	129.80	3857.99	--	--	--	--
EW-1	06/26/17	4"	120 - 145	145	3987.79	129.66	3858.13	--	--	--	--
EW-1	07/24/17	4"	120 - 145	145	3987.79	124.92	3863.01	124.74	0.18	--	--
EW-1	08/07/17	4"	120 - 145	145	3987.79	--	--	--	--	trace	--
EW-1	08/28/17	4"	120 - 145	145	3987.79	130.42	3857.94	129.66	0.76	0.1	--
EW-1	09/20/17	4"	120 - 145	145	3987.79	130.24	3858.03	129.60	0.64	--	--
EW-1	10/16/17	4"	120 - 145	145	3987.79	130.23	3858.03	129.60	0.63	0.1	--
EW-1	10/31/17	4"	120 - 145	145	3987.79	130.28	3858.02	129.60	0.68	0.3	--
EW-1	11/13/17	4"	120 - 145	145	3987.79	130.37	3858.00	129.60	0.77	0.2	--
EW-1	11/27/17	4"	120 - 145	145	3987.79	130.50	3857.97	129.60	0.90	0.1	--
EW-1	12/11/17	4"	120 - 145	145	3987.79	130.48	3857.98	129.59	0.89	0.5	--
EW-1	01/02/18	4"	120 - 145	145	3987.79	130.70	3857.90	129.62	1.08	1.0	--
EW-1	01/08/18	4"	120 - 145	145	3987.79	130.81	3857.90	129.58	1.23	1.0	--
EW-1	01/24/18	4"	120 - 145	145	3987.79	131.24	3857.68	129.74	1.50	0.75	--
EW-1	02/05/18	4"	120 - 145	145	3987.79	130.79	3857.89	129.56	1.18	0.20	--
EW-1	02/23/18	4"	120 - 145	145	3987.79	130.51	3858.02	129.53	0.98	0.50	--
EW-1	03/05/18	4"	120 - 145	145	3987.79	130.61	3857.86	129.70	0.91	0.50	--
EW-1	04/03/18	4"	120 - 145	145	3987.79	130.71	3857.85	129.69	1.02	--	--
EW-1	04/16/18	4"	120 - 145	145	3987.79	130.79	3857.94	129.54	1.25	0.50	--
EW-1	04/30/18	4"	120 - 145	145	3987.79	131.03	3857.83	129.61	1.42	0.30	--
EW-1	05/14/18	4"	120 - 145	145	3987.79	131.18	3857.78	129.63	1.55	0.40	--
EW-1	06/01/18	4"	120 - 145	145	3987.79	130.44	3857.93	129.67	0.77	2.00	--
EW-1	06/11/18	4"	120 - 145	145	3987.79	131.67	3857.60	129.70	1.97	2.00	--
EW-1	06/25/18	4"	120 - 145	145	3987.79	132.14	3857.33	129.91	2.23	1.50	--
EW-1	07/09/18	4"	120 - 145	145	3987.79	132.28	3857.30	129.90	2.38	1.60	--
EW-1	07/23/18	4"	120 - 145	145	3987.79	132.37	3857.28	129.90	2.47	1.00	--
EW-1	08/06/18	4"	120 - 145	145	3987.79	132.30	3857.29	129.91	2.39	1.50	--
EW-1	08/20/18	4"	120 - 145	145	3987.79	132.22	3857.31	129.91	2.31	1.25	--
EW-1	08/27/18	4"	120 - 145	145	3987.79	132.18	3857.38	129.83	2.35	--	--
EW-1	09/05/18	4"	120 - 145	145	3987.79	--	--	--	--	--	--
EW-1	10/01/18	4"	120 - 145	145	3987.79	132.27	3857.32	129.88	2.39	1.75	--
EW-1	10/15/18	4"	120 - 145	145	3987.79	131.97	3857.39	129.88	2.09	3.50	--
EW-1	11/13/18	4"	120 - 145	145	3987.79	132.13	3857.29	129.96	2.17	2.50	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
EW-1	12/03/18	4"	120 - 145	145	3987.79	132.67	3857.11	130.03	2.64	2.00	--
EW-1	12/11/18	4"	120 - 145	145	3987.79	132.80	3857.10	130.00	2.80	1.25	--
EW-1	01/28/19	4"	120 - 145	145	3987.79	133.50	3856.85	130.09	3.41	--	--
EW-1	03/05/19	4"	120 - 145	145	3987.79	134.03	3856.44	130.47	3.56	3.50	--
EW-1	3/18/19	4"	120 - 145	145	3987.79	133.99	3856.51	130.39	3.60	3.50	2
EW-1	4/5/19	4"	120 - 145	145	3987.79	133.94	3856.52	130.39	3.55	3.00	--
EW-1	4/18/19	4"	120 - 145	145	3987.79	133.91	3856.44	130.51	3.40	3.50	--
EW-1	4/29/19	4"	120 - 145	145	3987.79	133.86	3856.48	130.47	3.39	3.50	--
EW-1	5/29/19	4"	120 - 145	145	3987.79	133.87	3856.49	130.45	3.42	2.10	--
EW-1	6/10/19	4"	120 - 145	145	3987.79	133.83	3856.46	130.50	3.33	1.25	--
EW-1	6/24/19	4"	120 - 145	145	3987.79	133.62	3856.60	130.39	3.23	0.50	--
EW-1	7/12/19	4"	120 - 145	145	3987.79	133.87	3856.51	130.42	3.45	3.30	0.3
EW-1	7/22/19	4"	120 - 145	145	3987.79	133.92	3856.42	130.53	3.39	2.00	1
EW-1	8/5/19	4"	120 - 145	145	3987.79	133.91	3856.47	130.46	3.45	1.30	0.7
EW-1	8/19/19	4"	120 - 145	145	3987.79	133.97	3856.41	130.53	3.44	2.50	1
EW-1	9/6/19	4"	120 - 145	145	3987.79	133.92	3856.45	130.49	3.43	2.00	0.5
EW-1	9/16/19	4"	120 - 145	145	3987.79	133.95	3856.40	130.54	3.41	3.50	--
EW-1	9/30/19	4"	120 - 145	145	3987.79	133.97	3856.39	130.55	3.42	2.80	--
EW-1	12/16/19	4"	120 - 145	145	3987.79	134.31	3856.18	130.72	3.59	--	--
EW-1	01/30/20	4"	120 - 145		3987.79	134.25	3856.20	130.71	3.54	5.00	
EW-1	02/12/20	4"	120 - 145		3987.79	134.24	3856.17	130.76	3.48	4.00	
EW-1	02/27/20	4"	120 - 145		3987.79	134.16	3856.18	130.77	3.39	3.00	
EW-1	03/13/20	4"	120 - 145		3987.79	134.24	3856.13	130.81	3.43	4.00	
EW-1	03/27/20	4"	120 - 145		3987.79	134.28	3856.10	130.84	3.44	--	
EW-1	04/06/20	4"	120 - 145	143.86	3987.79	134.14	3856.16	130.80	3.34	--	
EW-1	04/07/20	4"	120 - 145		3987.79	134.14	3856.16	130.80	3.34	3.00	
EW-1	04/23/20	4"	120 - 145		3987.79	134.23	3856.06	130.90	3.33	--	
EW-1	05/12/20	4"	120 - 145		3987.79	134.20	3856.11	130.85	3.35	3.00	
TW-11	04/05/10				3989.11	130.27	3856.84	--	--	--	--
TW-11	10/04/10				3989.11	130.59	3858.52	--	--	--	--
TW-11	01/12/11				3989.11	129.95	3859.16	--	--	--	--
TW-11	04/18/11				3989.11	131.12	3857.99	--	--	--	--
TW-11	10/18/11				3989.11	131.46	3857.65	--	--	--	--
TW-11	04/23/12				3989.11	130.71	3858.40	--	--	--	--
TW-11	11/05/12				3989.11	127.87	3861.24	--	--	--	--
TW-11	04/23/13				3989.11	127.85	3861.26	--	--	--	--
TW-11	10/21/13				3989.11	130.26	3858.85	--	--	--	--
TW-11	02/11/14				3989.11	128.95	3860.16	--	--	--	--
TW-11	10/27/14				3989.11	130.27	3858.84	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
TW-11	02/24/15				3989.11	130.09	3859.02	--	--	--	--
TW-11	10/26/15				3989.11	130.17	3858.94	--	--	--	--
TW-11	02/29/16				3989.11	131.44	3857.67	--	--	--	--
TW-11	08/22/16				3989.11	131.00	3858.11	--	--	--	--
TW-11	02/28/17				3989.11	129.90	3859.21	--	--	--	--
TW-11	08/28/17				3989.11	132.60	3856.51	--	--	--	--
TW-11	04/03/18				3989.11	129.18	3859.93	--	--	--	--
TW-11	08/27/18				3989.11	130.15	3858.96	--	--	--	--
TW-11	01/28/19				3989.11	131.50	3857.61	--	--	--	--
TW-11	12/16/19				3989.11	130.96	3858.15	--	--	--	--
TW-11	04/06/20			188.22	3989.11	131.05	3858.06	--	--	--	--
TW-13	04/05/10				3988.73	130.56	3858.17	--	--	--	--
TW-13	10/04/10				3988.73	130.91	3857.82	--	--	--	--
TW-13	04/18/11				3988.73	131.50	3857.23	--	--	--	--
TW-13	10/18/11				3988.73	131.57	3857.16	--	--	--	--
TW-13	04/23/12				3988.73	130.73	3858.00	--	--	--	--
TW-13	11/05/12				3988.73	130.34	3858.39	--	--	--	--
TW-13	04/23/13				3988.73	130.43	3858.30	--	--	--	--
TW-13	10/21/13				3988.73	132.37	3856.36	--	--	--	--
TW-13	02/11/14				3988.73	131.65	3857.08	--	--	--	--
TW-13	10/27/14				3988.73	132.67	3856.06	--	--	--	--
TW-13	02/24/15				3988.73	132.94	3855.79	--	--	--	--
TW-13	10/26/15				3988.73	133.15	3855.58	--	--	--	--
TW-13	02/29/16				3988.73	133.92	3854.81	--	--	--	--
TW-13	08/22/16				3988.73	133.13	3855.60	--	--	--	--
TW-13	02/28/17				3988.73	132.40	3856.33	--	--	--	--
TW-13	08/28/17				3988.73	132.01	3856.72	--	--	--	--
TW-13	04/03/18				3988.73	131.77	3856.96	--	--	--	--
TW-13	08/27/18				3988.73	132.45	3856.28	--	--	--	--
TW-13	01/28/19				3988.73	133.55	3855.18	--	--	--	--
TW-13	12/16/19				3988.73	133.82	3854.91	--	--	--	--
TW-13	04/06/20			176.65	3988.73	133.84	3854.89	--	--	--	--
TW-20	11/05/12				3988.40	130.40	3856.00	--	--	--	--
TW-20	04/23/13				3988.40	133.25	3855.15	--	--	--	--
TW-20	10/21/13				3988.40	132.59	3855.81	--	--	--	--
TW-20	02/11/14				3988.40	132.05	3856.35	--	--	--	--
TW-20	10/27/14				3988.40	----- not gauged -----					
TW-20	02/24/15				3988.40	133.52	3854.88	--	--	--	--
TW-20	10/26/15				3988.40	133.70	3854.70	--	--	--	--



APPENDIX D
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft to c	Total Depth ft to c	Casing Elevation ft msl	Depth To Water ft to c	Water Elevation ft msl	Depth to LNAPL ft to c	LNAPL Thickness ft	LNAPL Removed gal	Water Removed gal
TW-20	02/29/16				3988.40	134.40	3854.00	--	--	--	--
TW-20	08/22/16				3988.40	133.41	3854.99	--	--	--	--
TW-20	02/28/17				3988.40	132.70	3855.70	--	--	--	--
TW-20	08/28/17				3988.40	132.08	3856.32				
TW-20	08/28/17				3988.40	132.08	3856.32	--	--	--	--
TW-20	04/03/18				3988.40	132.02	3856.38	--	--	--	--
TW-20	08/27/18				3988.40	132.52	3855.88	--	--	--	--
TW-20	01/28/19				3988.40	133.70	3854.70	--	--	--	--
TW-20	12/16/19				3988.40	134.13	3854.27	--	--	--	--
TW-20	04/06/20				3988.40	--	--	--	--	--	--

NOTES:

NG - not gauged
ft msl - feet above mean sea level
ft to c - feet below top of casing
LNAPL - 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 beginning 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).
Well MW-25 and MW-26 were installed in April 2015.
-- = Not Measured or Not Applicable

Appendix E

Summary of Historical Groundwater Analytical Results

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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	4.0	<0.0040	0.0045 J	<0.012						
MW-1	10/7/10	3.3	0.0032 J	0.0013 J	0.0031 J						
MW-1	4/26/11	8.8	<0.0010	0.0022	0.0039	18.2	<0.050		62.5		
MW-1	10/20/11	6.2	<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	<0.020	<0.010	<0.010	<1.50	<1.50		64.1		
MW-1	4/25/13	6.21	<0.100	<0.050	<0.050	6.57	<1.50				
MW-1	10/24/13	6.19	<0.0400	<0.0200	<0.0200	6.62	<1.50	6.62			
MW-1	2/14/14	7.25	<0.1000	<0.0500	<0.0500	5.00	<1.50	5.00			
MW-1	10/30/14	6.59	<0.0500	<0.2500	<0.0250	10.00	<1.48	10.00			
MW-1	3/3/15	5.56	<0.05000	<0.0250	<0.0250	6.58	<1.50	6.58			
MW-1	10/29/15	1.49	<0.040000	<0.020000	<0.0200	2.07	<1.41	2.07			
MW-1	3/3/16	1.50	<0.0400	<0.0200	<0.0200	2.24	<1.41	2.24			
MW-1	8/23/16	3.59	<0.0200	<0.0200	<0.0200	1.99	<1.50	1.99			
MW-1	3/3/17	0.0978	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-1	8/31/17	2.34	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-1	4/5/18	1.650	<0.00200	<0.00200	<0.00200	3.08	<1.50	3.08			
MW-1	8/29/18	2.94	<0.00200	<0.00200	<0.00200	4.00	<1.50	4.00			
MW-1	1/29/19	2.02	0.002	0.002	0.002	<1.50	<1.50	<1.50			
MW-1	12/17/19	0.84	<0.00020	<0.00021	<0.00037	3.0	<1.50	3.0			
MW-1	4/10/20	0.45	<0.00020	<0.00021	<0.00037	1.6	0.091 J	0.32			
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	
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-2	4/25/13	0.294	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-2	10/24/13	0.583	<0.0100	<0.00500	<0.00500	<1.50	<1.50	<1.50			
MW-2	2/13/14	0.174	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/30/14	0.0281	<0.0020	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-2	3/3/15	0.0712	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/29/15	0.00325	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-2	3/3/16	0.00216	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-2	8/23/16	0.0622	<0.00200	<0.00200	<0.00200	1.99	<1.50	<1.50			
MW-2	3/3/17	0.0447	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/31/17	0.757	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	4/5/18	0.315	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-2	8/29/18	0.249	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	1/29/19	0.00610	0.002	0.002	0.002	<1.50	<1.50	<1.50			
MW-2	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-2	4/10/20	0.0051	<0.00020	<0.00021	<0.00037	0.035 J	<0.045	<0.15			
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		
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-3	4/26/13	11.70	0.884	0.289	0.301	13.0	<1.50				
MW-3	10/22/13										NS--LNAPL
MW-3	2/11/14										NS--LNAPL
MW-3	10/27/14										NS--LNAPL
MW-3	2/24/15										NS--LNAPL
MW-3	10/28/15										NS--LNAPL
MW-3	2/29/16										NS--LNAPL
MW-3	8/23/16	6.60	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW-3	3/3/17										NS--LNAPL
MW-3	8/30/17										NS--LNAPL
MW-3	4/5/18										NS--LNAPL
MW-3	8/29/18										NS--LNAPL
MW-3	1/29/19										NS--LNAPL
MW-3	12/20/19										NS--LNAPL
MW-3	4/7/20										NS--LNAPL
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	25.0	0.490	0.470	0.220 J						
MW-4	10/7/10	20.0	0.500	0.370	0.200						
MW-4	4/26/11	39.0	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-4	4/26/13	20.5	<0.200	<0.100	<0.100	18.8	<1.50				
MW-4	10/24/13	19.6	<0.100	0.167	0.0595	21.7	<1.50	21.7			
MW-4	2/14/14	19.9	<0.100	0.070	0.0500	30.5	<1.50	30.5			
MW-4	10/29/14	26.2	<0.200	0.202	<0.100	34.0	<1.48	34.0			
MW-4	3/3/15	23.4	<0.20001	0.177	<0.100	24.6	<1.50	24.6			
MW-4	10/28/15	9.52	0.141	0.051	0.0550	15.7	<1.41	15.7			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-4	3/3/16	5.77	0.0201	0.0450	0.0297	6.26	<1.41	6.26			
MW-4	8/24/16	6.81	<0.100	<0.100	<0.100	5.88	<1.50	5.88			
MW-4	3/1/17	4.20	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	8/31/17	6.19	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	4/4/18	12.80	<0.00200	0.00294	<0.00200	21.1	<1.50	21.1			
MW-4	8/28/18	9.76	<0.20000	<0.20000	<0.20000	13.7	<1.50	13.7			
MW-4	1/29/19	6.92	0.2	0.00228	0.00113	9.64	<1.50	<1.50			
MW-4	12/19/19	11.00	0.004	0.044	0.030 J	28.00	<1.50	28.0			
MW-4	12/19/19	12.00	0.004	0.044	0.030 J	33.00	<1.50	33.0			
MW-4	4/9/20	3.40	0.0048 J	0.017	0.0056 J	13.00	0.055 J	<0.16			
MW-4	4/9/20	3.20	0.0045 J	0.016	<0.020	12.00	0.055 J	<0.16			
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		
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-5	4/25/13	0.00819	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-5	10/23/13	0.0176	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	2/13/14	0.0574	<0.00200	<0.00100	0.00267	<1.50	<1.50	<1.50			
MW-5	10/29/14	0.0031	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-5	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-5	3/3/16										NS - construction
MW-5	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	3/2/17	0.00223	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	8/31/17	0.0609	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	4/5/18	0.0022	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-5	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.036 J	<0.048	<0.16			
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						
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		

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-6	11/12/12	0.807	<0.02000	<0.01000	<0.01000	<1.50	<1.50		52.1		
MW-6	4/26/13	0.628	<0.01000	<0.00500	<0.00500	<1.50	<1.50				
MW-6	10/24/13	1.04	<0.0100	<0.00500	<0.00500	2.10	<1.50	2.10			
MW-6	2/13/14	0.23	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/30/14	0.0392	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-6	3/3/15	0.0355	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/29/15	0.132	<0.0020	<0.00100	<0.00100	<1.51	<1.41	<1.51			
MW-6	3/3/16	0.0177	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-6	8/24/16	0.208	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	3/3/17	0.0275	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	4/6/18	0.109	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	8/29/18	0.480	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-6	1/29/19	0.0188	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	12/20/19	0.0130	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-6	4/9/20	0.0073	<0.00020	<0.00021	<0.00037	0.064	<0.046	<0.15			
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	<0.00100	0.00405	<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-7	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-7	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/14	0.00408	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-7	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	3/3/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	9/1/17	1.05	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	1/29/19	0.00061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-7	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15			
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						
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	0.0085	0.120	0.067				42.8		

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes		
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L			
MW-8	4/6/10	2.9	0.120	0.091	0.062						NS--LNAPL		
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-8	4/23/13										NS--LNAPL		
MW-8	10/22/13										NS--LNAPL		
MW-8	2/11/14										NS--LNAPL		
MW-8	10/27/14										NS--LNAPL		
MW-8	2/24/15	3.25	2.92	0.728	1.11	24.5	8.17	35.6		NS--LNAPL			
MW-8	10/26/15									NS--LNAPL			
MW-8	2/29/16									NS--LNAPL			
MW-8	8/22/16									NS--LNAPL			
MW-8	3/3/17									NS--LNAPL			
MW-8	8/31/17									NS--LNAPL			
MW-8	4/3/18									NS--LNAPL			
MW-8	8/29/18									NS--LNAPL			
MW-8	1/29/19									NS--LNAPL			
MW-8	12/16/19									NS--LNAPL			
MW-9	10/9/02	0.004	0.001	<0.001	0.023				230	915	NS--no access		
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								
MW-9	2/18/05	0.001 J	<0.001	0.0002 J	0.009								
MW-9	12/21/05	0.001 J	<0.0007	<0.0008	0.019								
MW-9	4/11/06	0.30	0.150	0.027	0.032								
MW-9	10/12/06	0.46	0.093	0.025	0.025								
MW-9	5/1/07	0.710	0.0005 J	0.0021	0.003								
MW-9	10/24/07	0.11	<0.001	0.0057	0.012								
MW-9	5/21/08	2.70	0.016	0.0072	0.0093 J								
MW-9	10/16/08	2.60	0.0075 J	0.017	0.012 J	9.320	<0.050	155			NS--LNAPL		
MW-9	4/20/09											0.0025	0.0023 J
MW-9	9/30/09											0.057	0.061
MW-9	4/6/10											0.027	0.072
MW-9	10/7/10											0.069	0.059
MW-9	4/26/11												
MW-9	10/18/11												
MW-9	4/23/12												
MW-9	11/5/12												
MW-9	4/23/13												
MW-9	10/22/13	0.029	<0.001	<0.001	<0.001				35.4	328			
MW-9	2/11/14											0.0003 J	0.0004
MW-9	10/27/14											<0.0002	<0.0006
MW-9	2/24/15											<0.0002	<0.0006
MW-9	10/26/15											<0.0002	<0.0006
MW-9	2/29/16											0.0041	<0.0006
MW-9	8/22/16											<0.0005	<0.0006
MW-9	3/3/17											0.0003 J	<0.0002
MW-9	8/30/17											0.0005 J	0.002
MW-9	4/3/18											0.034	0.0015 J
MW-10	10/8/02	0.060	<0.001	<0.001	<0.001				36.5	380			
MW-10	8/12/03	0.050	<0.001	<0.001	<0.001								
MW-10	8/11/04	0.022	<0.001	<0.001	<0.001								
MW-10	2/18/05	0.024	<0.0007	0.002 J	0.002 J								
MW-10	12/20/05	0.033	<0.0002	<0.0002	<0.0006								
MW-10	4/11/06	0.0037	<0.0002	<0.0002	<0.0006								
MW-10	10/11/06	0.0002 J	<0.0002	<0.0002	<0.0006								
MW-10	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006								
MW-10	10/22/07	0.0041	<0.0002	0.001	<0.0006								
MW-10	5/16/08	<0.0005	0.0003 J	<0.0002	<0.0006								
MW-10	10/14/08	0.034	0.0005 J	0.002	0.0015 J				33.1	317			
MW-10	4/16/09												
MW-10	8/12/03												
MW-10	8/11/04												
MW-10	2/18/05												
MW-10	12/20/05												
MW-10	4/11/06												
MW-10	10/11/06												
MW-10	4/26/07												
MW-10	10/22/07												

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
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-10	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-10	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-10	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-10	4/10/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.045	<0.15			
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				47.9	340	
MW-11	8/11/04	<0.001	<0.001	<0.001	<0.001				50.1	441	
MW-11	2/18/05	<0.001	<0.001	<0.001	<0.001						
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		
MW-12	4/23/13										
MW-12	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-12	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	6.32	6.32			
MW-12	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		529	
MW-12	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	1/31/19	<0.00020	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-12	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-12	4/7/20	<0.00018	0.00022 J	<0.00021	<0.00037	<0.023	<0.047	0.25 J	--	--	
MW-13	10/8/02	0.065	<0.001	<0.001	<0.001						NS--obstructed
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										
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-13	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-13	10/24/13	0.0192	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-13	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	4/4/18	0.00202	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.000237	<1.50	<1.50	<1.50			
MW-13	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15			
MW-14	10/9/02	3.63	0.014	0.098	0.187						NS
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										
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		
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-14	4/25/13	0.203	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-14	10/24/13	0.162	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	2/13/14	0.128	<0.00200	<0.00100	0.00300	<1.50	<1.50	<1.50			
MW-14	10/29/14	0.00813	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-14	3/2/15	0.0194	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	10/28/15	0.0186	<0.00200	<0.00100	<0.00100	<1.41	<2.13	<2.13			
MW-14	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	1.9	<1.41	1.9			
MW-14	8/24/16	0.00676	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-14	4/4/18	0.00766	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	1/30/19	0.00904	0.002	0.002	0.002	0.002	<1.50	<1.50			
MW-14	12/19/19	0.0010	<0.00020	<0.00021	0.00080 J	<1.50	<1.50	<1.50			
MW-14	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.064	0.24 J	<0.16			
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		
MW-15	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-15	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	2/12/14	0.00134	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-15	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-15	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-15	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-15	4/8/20	0.00027 J	<0.00020	<0.00021	<0.00037	<0.023	<0.045	<0.15			
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-16	4/24/13	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50				
MW-16	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	2/12/14	0.00431	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-16	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-16	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-16	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	0.25 J			
MW-17	10/23/03	<0.001	<0.001	<0.001	<0.001				292	1,090	
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		
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-17	4/25/13	6.980	<0.20000	<0.10000	<0.10000	<8.20	<1.50				
MW-17	10/24/13	12.1	<0.100	<0.0500	0.0710	11.1	<1.50	<11.10			
MW-17	2/14/14	19.8	<0.100	<0.0500	0.0500	20.9	<1.50	20.9			
MW-17	10/30/14	22.3	<0.200	<0.100	<0.100	24.7	<1.48	24.7			
MW-17	3/3/15	23.8	<0.200	<0.100	<0.101	29.9	<1.50	29.9			
MW-17	10/28/15	18.8	<0.100	<0.128	0.5890	27.4	<1.41	27.4			
MW-17	3/2/16	0.279	<0.00200	<0.00100	<0.00100	13.9	<1.41	13.9			
MW-17	8/24/16	0.0927	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	3/1/17	0.336	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	8/30/17	4.32	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-17	4/4/18	2.500	<0.00200	<0.00200	<0.00200	5.23	<1.50	5.23			
MW-17	9/4/18	0.463	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-17	1/31/19	2.22	0.00041	0.002	0.00071	4.00	<1.50	4.00			
MW-17	12/19/19	6.90	0.00040	0.0076 J	0.016 J	23.0	<1.50	23.0			
MW-17	4/8/20	7.30	<0.00020	0.0014	0.0015 J	19.0	<0.047	<0.16			
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-18	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-18	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-18	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-18	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	4/4/18	0.00506	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	1/29/19	0.00043	0.002	0.002	0.002	<1.50	<1.50	<1.50			
MW-18	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-18	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	0.13 J	<0.16			
MW-19	10/22/03	1.99	0.334	0.089	0.115				62.0	554	
MW-19	8/9/04	11.7	2.9	0.408	0.387				44.3	492	
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-19	4/23/13										NS--LNAPL
MW-19	10/22/13										NS--LNAPL
MW-19	2/11/14										NS--LNAPL
MW-19	10/27/14										NS--LNAPL
MW-19	2/24/15										NS--LNAPL
MW-19	10/26/15										NS--LNAPL
MW-19	2/29/16										NS--LNAPL
MW-19	8/22/16										NS--LNAPL
MW-19	3/3/17										NS--LNAPL
MW-19	8/30/17										NS--LNAPL
MW-19	4/3/18										NS--LNAPL
MW-19	8/27/18										NS--LNAPL
MW-19	1/29/19										NS--LNAPL
MW-19	12/19/19										NS--LNAPL
MW-19	4/9/20										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						
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-20	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-20	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-20	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-20	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-20	4/7/20	0.00027 J	0.0012	0.00032 J	<0.00037	<0.023	<0.046	<0.15			
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-21	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-21	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-21	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	252	683	
MW-21	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	263	972	
MW-21	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50	240 B	1100	
MW-22	10/23/07	0.0005 J	<0.0002	<0.0002	<0.0006				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		
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-22	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		116		
MW-22	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		164		
MW-22	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	242		
MW-22	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48	350		
MW-22	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	85.8	452	
MW-22	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	253	792	
MW-22	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	753	2420	
MW-22	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		836	
MW-22	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-22	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-22	4/8/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.043	<0.14			
MW-23	10/23/07	0.0002 J	<0.0002	<0.0002	<0.0006				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	<0.00100	<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-23	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-23	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	2/12/14	0.01970	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-23	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-23	4/10/20	0.00033 J	<0.00020	<0.00021	<0.00037	<0.023	<0.047	<0.16			
MW-24	10/22/07	0.0026	<0.0002	<0.0002	<0.0006				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		
MW-24	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-24	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-24	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	4/4/18	0.00289	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-24	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15			
MW-25	6/4/15	<0.00100	<0.00200	<0.00100	<0.00100	--	--	<0			
MW-25	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-25	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-25	4/7/20	<0.00018	0.00028 J	0.00021 J	<0.00037	<0.023	<0.045	<0.15			
MW-26	6/4/15	0.11200	<0.00200	<0.00149	<0.00900	--	--	<0			
MW-26	10/29/15	0.03420	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	3/2/17	0.01580	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	8/30/17	0.00639	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	1/30/19	0.00112	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-26	4/9/20	0.00045 J	<0.00020	<0.00021	<0.00037	<0.023	<0.048	<0.16			
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
EW-1	4/23/13										NS--LNAPL
EW-1	10/22/13										NS--LNAPL
EW-1	2/11/14										NS--LNAPL
EW-1	10/27/14										NS--LNAPL
EW-1	2/24/15										NS--LNAPL
EW-1	10/26/15										NS--LNAPL
EW-1	2/29/16										NS--LNAPL
EW-1	8/23/16	0.451	0.0108	0.0342	0.0694	2.29	2.11	4.40			
EW-1	3/3/17	0.379	0.00957	0.0202	0.0384	3.93	2.98	6.91			
EW-1	8/30/17										NS--LNAPL
EW-1	4/3/18										NS--LNAPL
EW-1	8/27/18										NS--LNAPL
EW-1	1/29/19										NS--LNAPL
EW-1	12/19/19										NS--LNAPL
EW-1	4/7/20										NS--LNAPL
TW-11	4/5/10	<0.00020	<0.0002	<0.0002	<0.0006						
TW-11	10/5/10	<0.00020	<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-11	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-11	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
TW-11	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
TW-11	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-11	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.047	0.27			
TW-13	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
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-13	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-13	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
TW-13	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	4/4/18	0.00292	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	1/29/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
TW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-13	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.026 J	<0.047	<0.16			
TW-20	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		53.5		
TW-20	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-20	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-20	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-20	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-20		Plugged and Abandon April 2020									
Dup-1 (MW-24)	4/16/09	0.077	0.0009 J	0.0028	0.0022 J				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	25.0	0.500	0.460	0.220 J						
Dup-1 (MW-20)	10/6/10	0.0023	<0.0002	<0.0002	<0.0006						
Dup-2 (MW-1)	10/7/10	3.4	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	<0.00100	<0.250	<0.250	15.7			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						
Dup-1 (MW-10)											
Dup-2 (MW-1)											
Dup-1	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup-2	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup03	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-10)	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-1)	10/24/13	6.10	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Trip Blank	10/24/13	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-13)	2/10/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-5)	2/12/14	0.05590	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW-17)	2/14/14	18.8	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Trip Blank	2/14/14	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-18)	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dup2 (MW-17)	10/30/14	23.4	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dup1 (MW-16)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-7)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW-2)	3/3/15	0.0922	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-7)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup1 (MW-16)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup-1 (MW-16)	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-1 (MW-16)	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
DUP-2 (MW-26)	10/29/15	0.0397	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-1 (MW-23)	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
Dup-2 (MW-26)	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-3 (MW-1)	3/3/16	1.23	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			
Dup-1 (MW-23)	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-2 (MW-20)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-3 (MW-25)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-1 (MW-23)	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-2 (MW-24)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-3 (MW-12)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-5)	8/31/17	0.0993	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-6)	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (TW-20)	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-15)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-25)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-7)	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-7)	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-15)	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-24)	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-4)	12/19/19	12.0	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dup (MW-14)	1/30/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (MW-23)	2/1/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (TW-20)	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (MW-4)	4/9/20	3.2	0.0045 J	0.016	<0.020	12.00	0.055 J	<0.16			

NOTES:

NMWQCC - New Mexico Water Quality Control Commission

BOLD - Above NMWQCC standards.

mg/L - milligrams per liter

NA - Not Analyzed

J - Reported as an estimate

Cells shaded yellow indicate that concentration exceeds NMWQCC standard. Not sampled due to presence of LNAPL.

LNAPL - low density non-aqueous liquids.

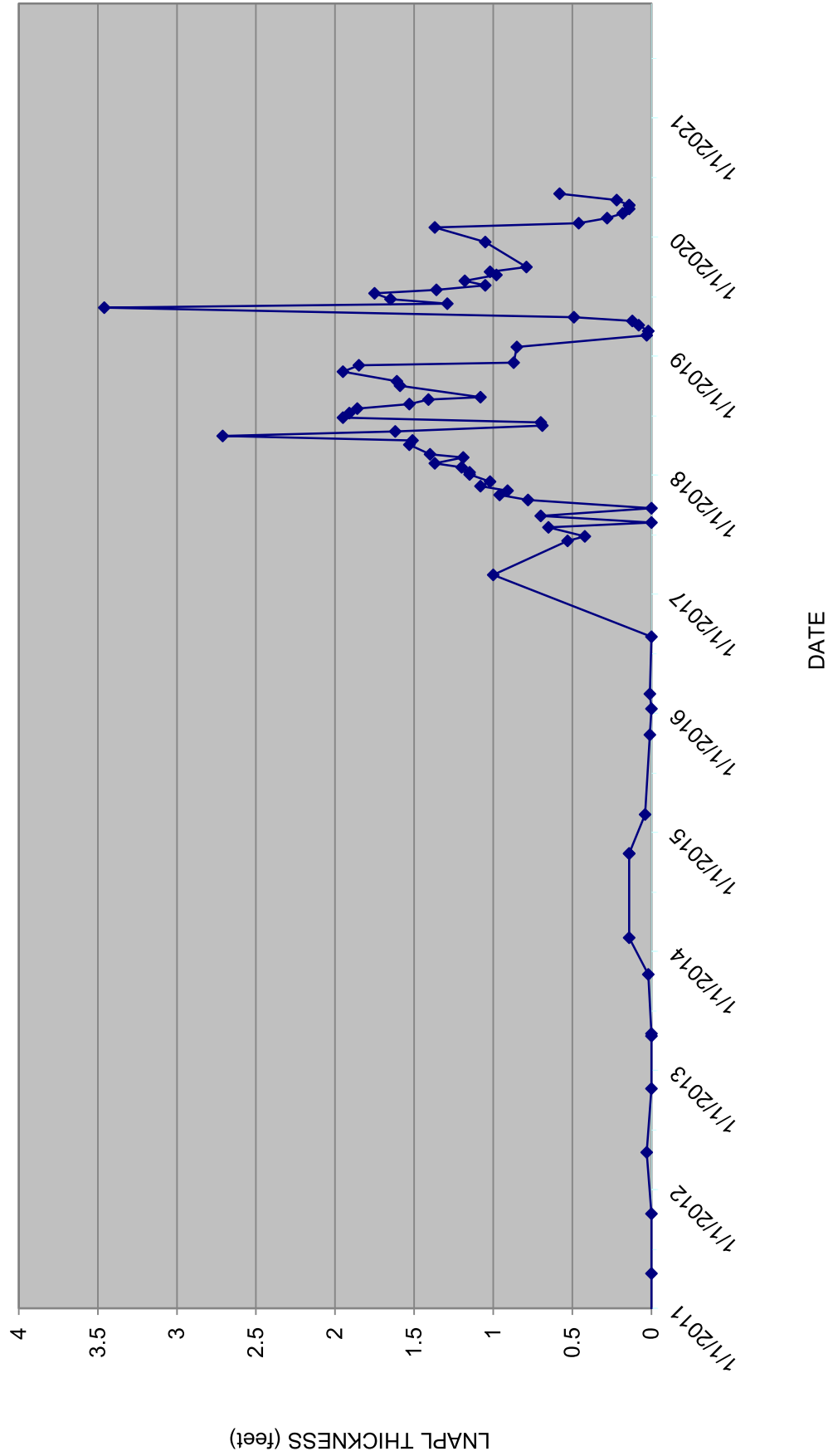
NS - Not sampled

Well MW-25 and MW-26 were drilled in April 2015

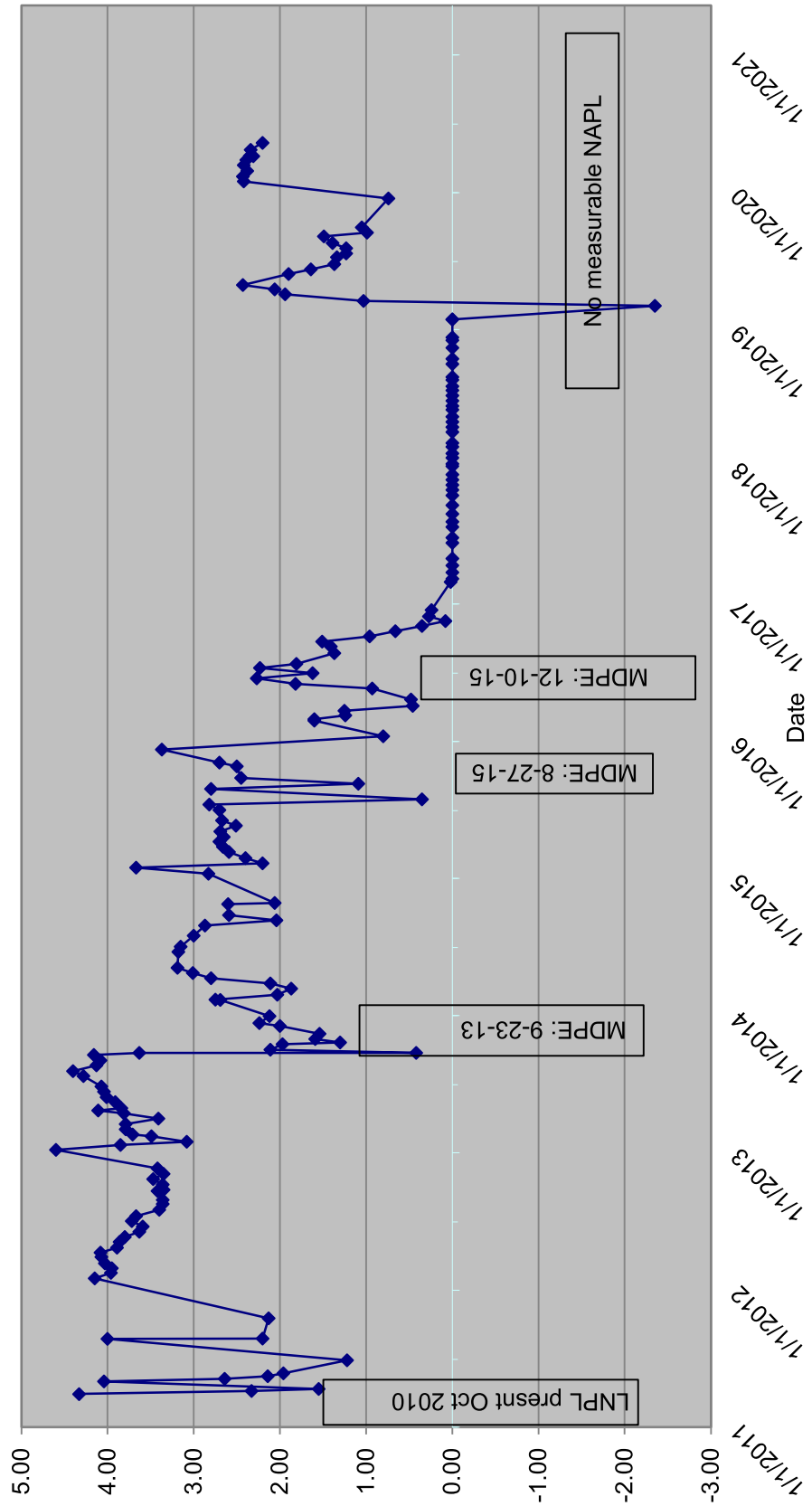
Appendix F

Charts of LNAPL Thickness Trends

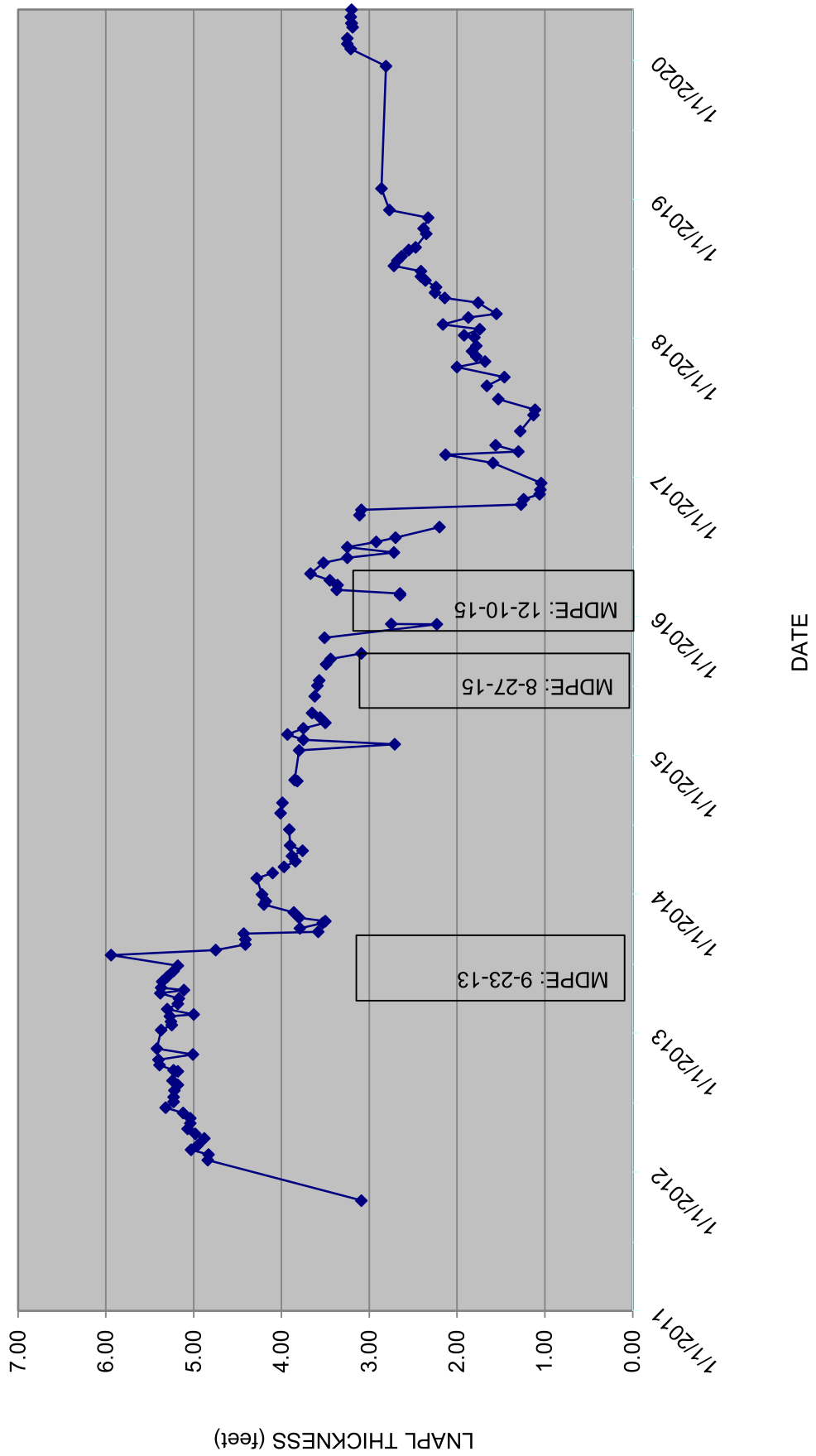
Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-3



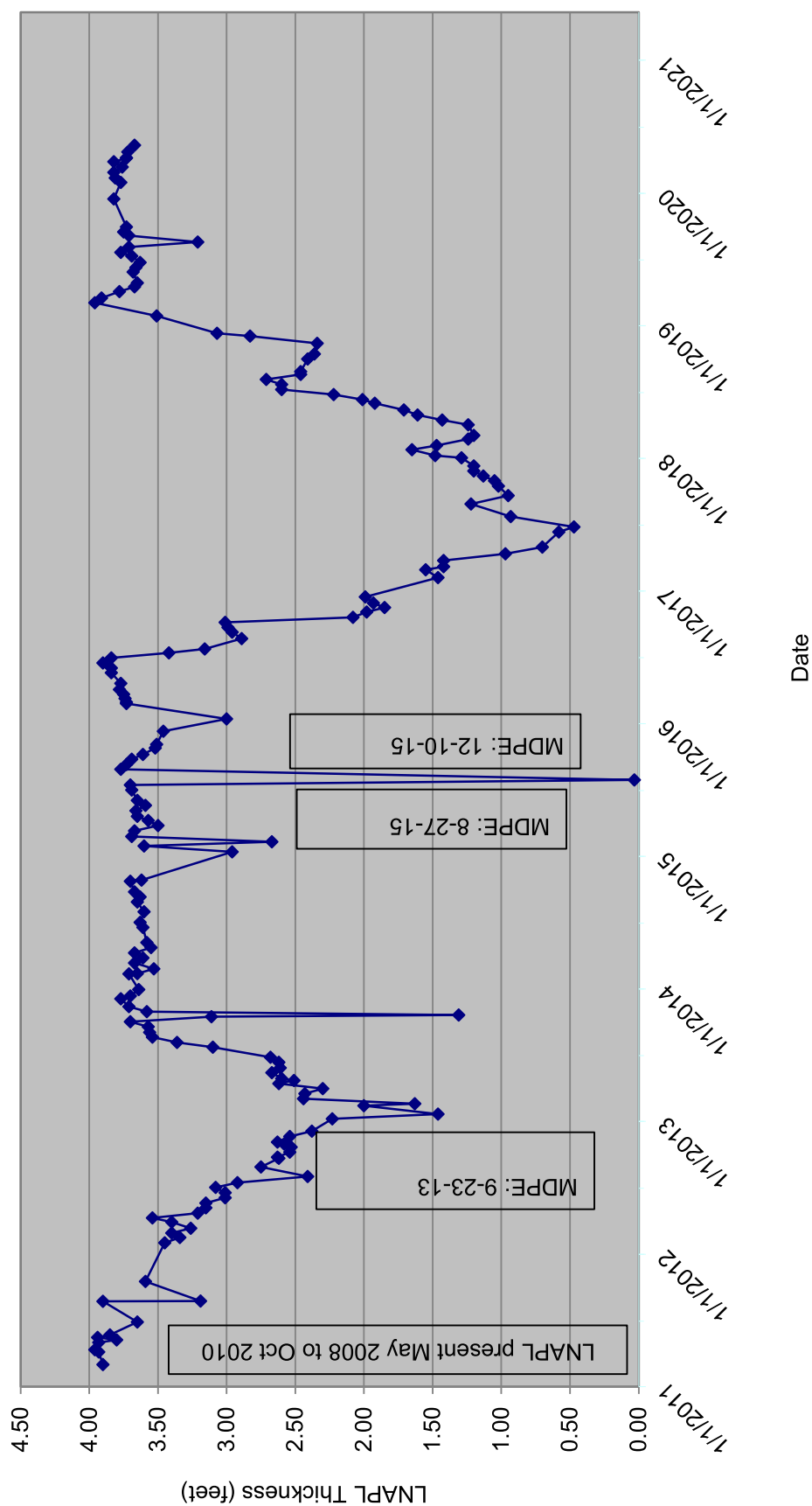
Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-8



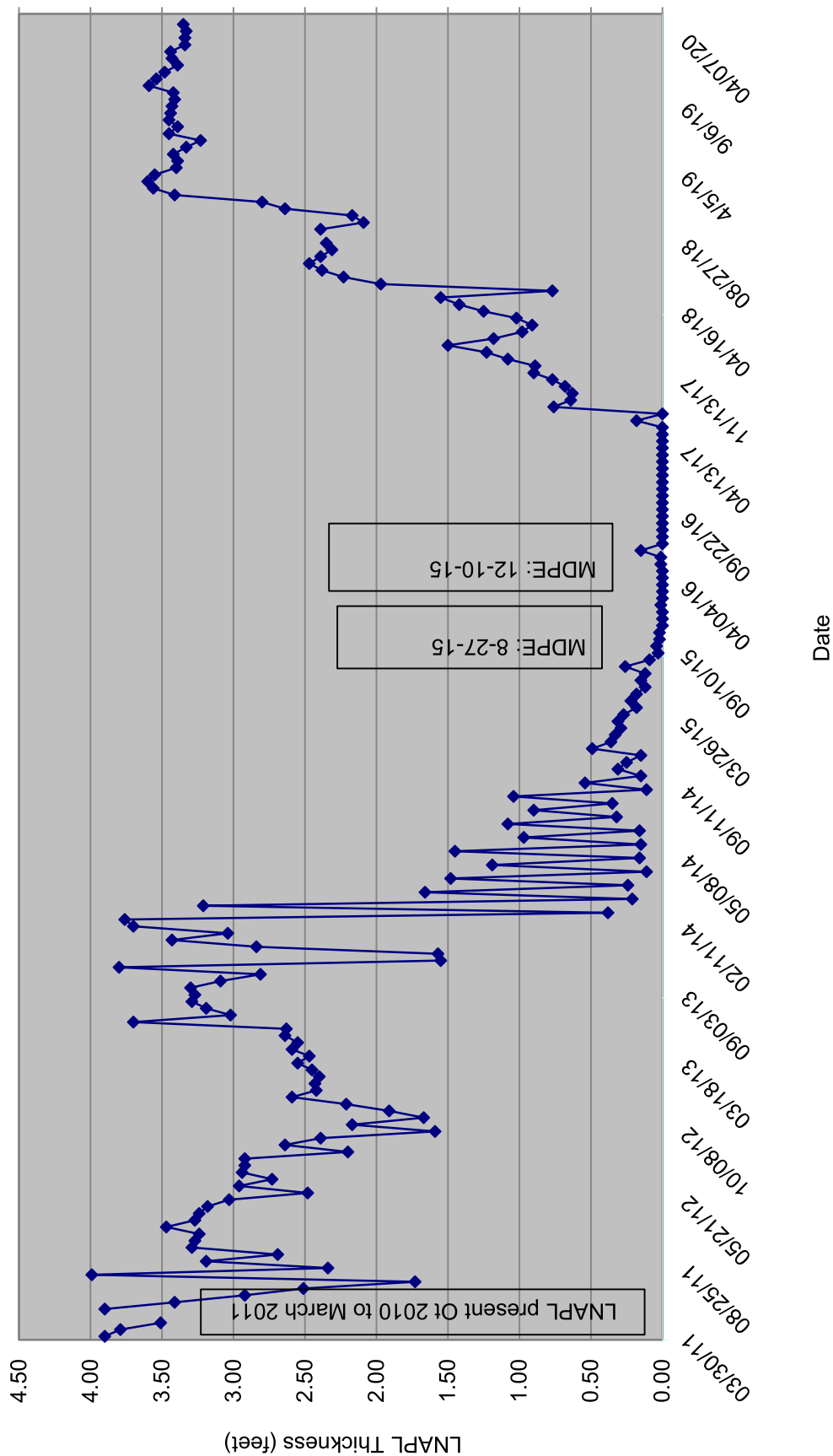
Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-9



Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-19



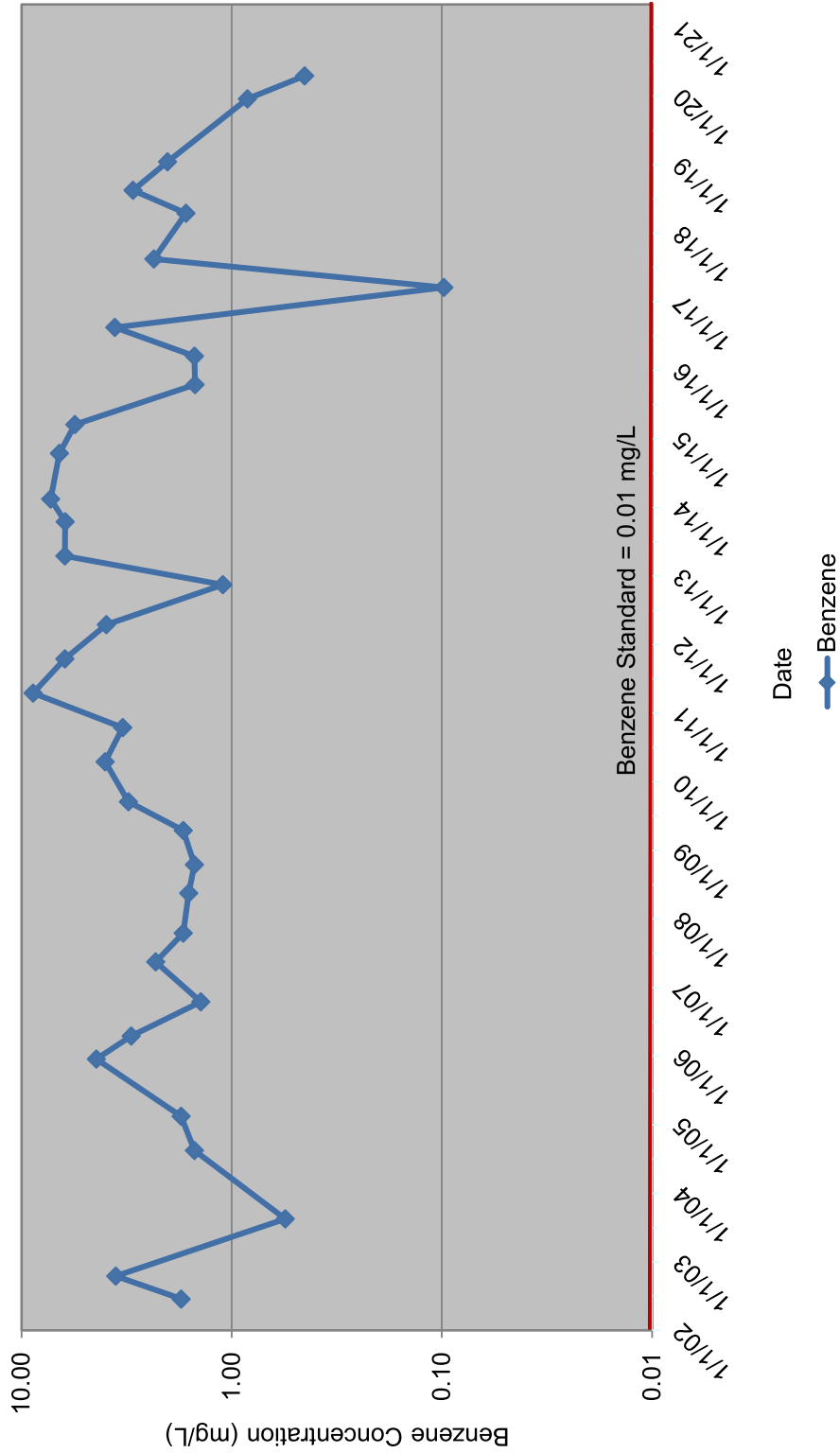
Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
EW-1



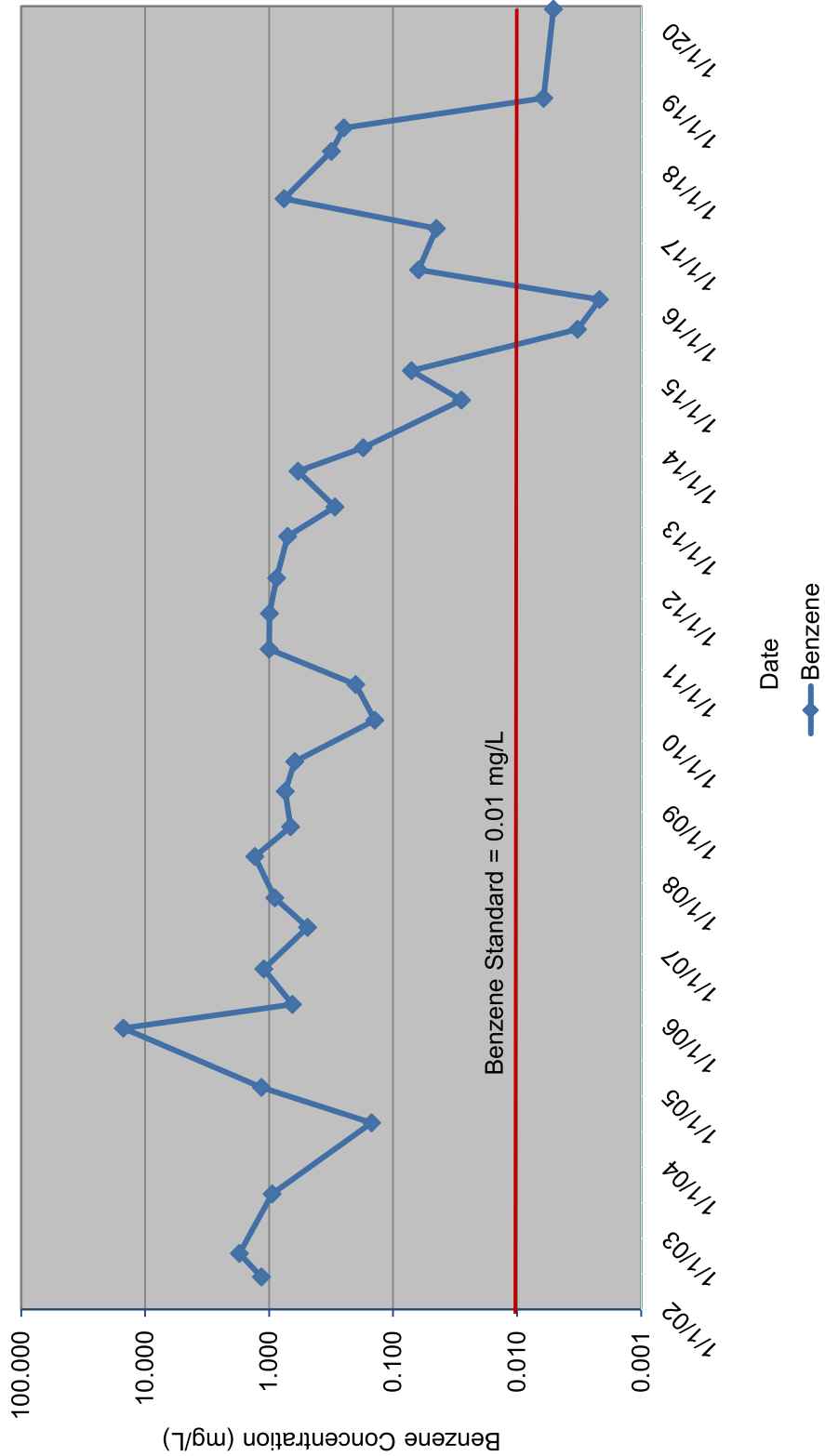
Appendix G

Charts of Chemical Concentration Trends

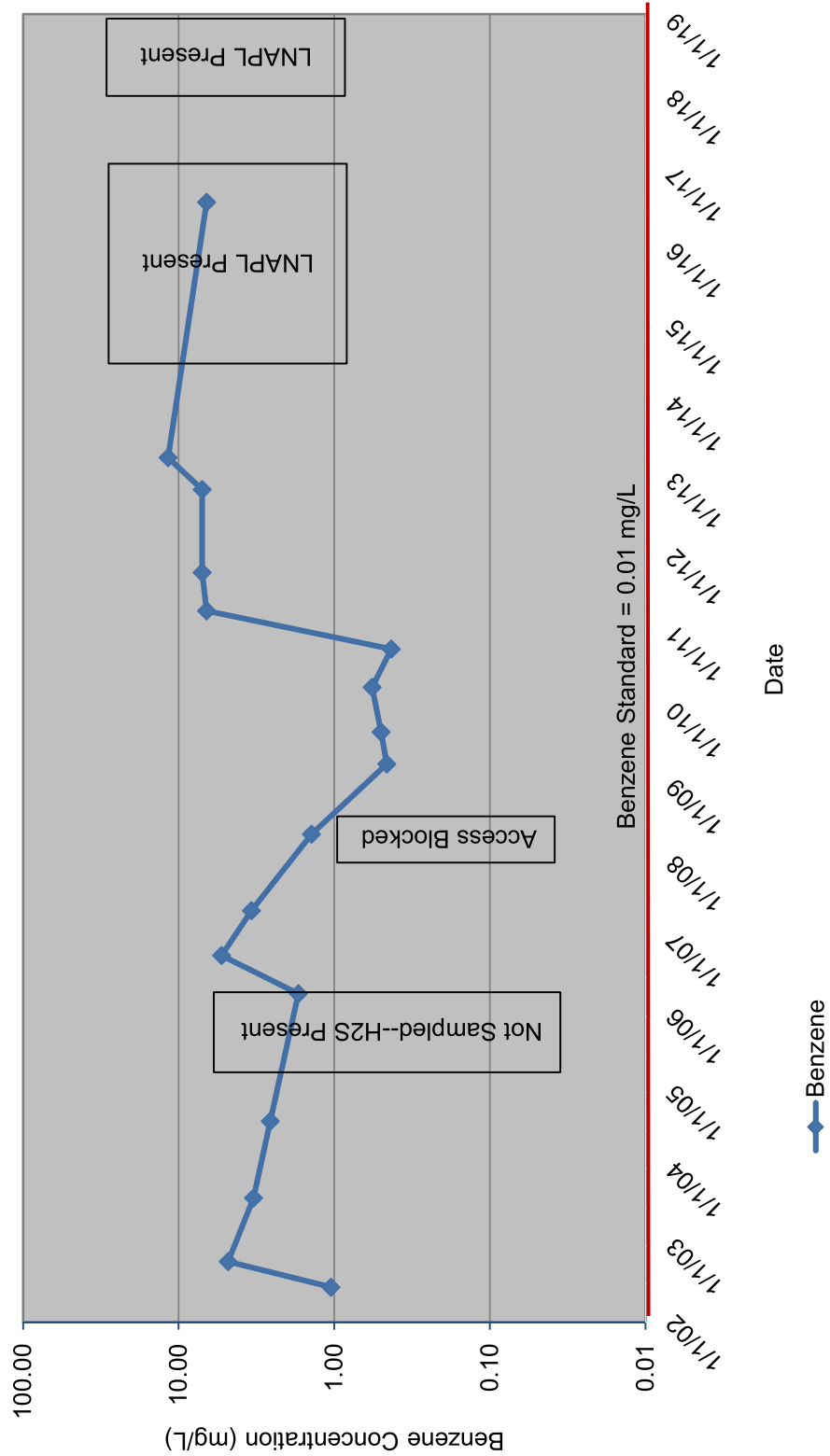
Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-1



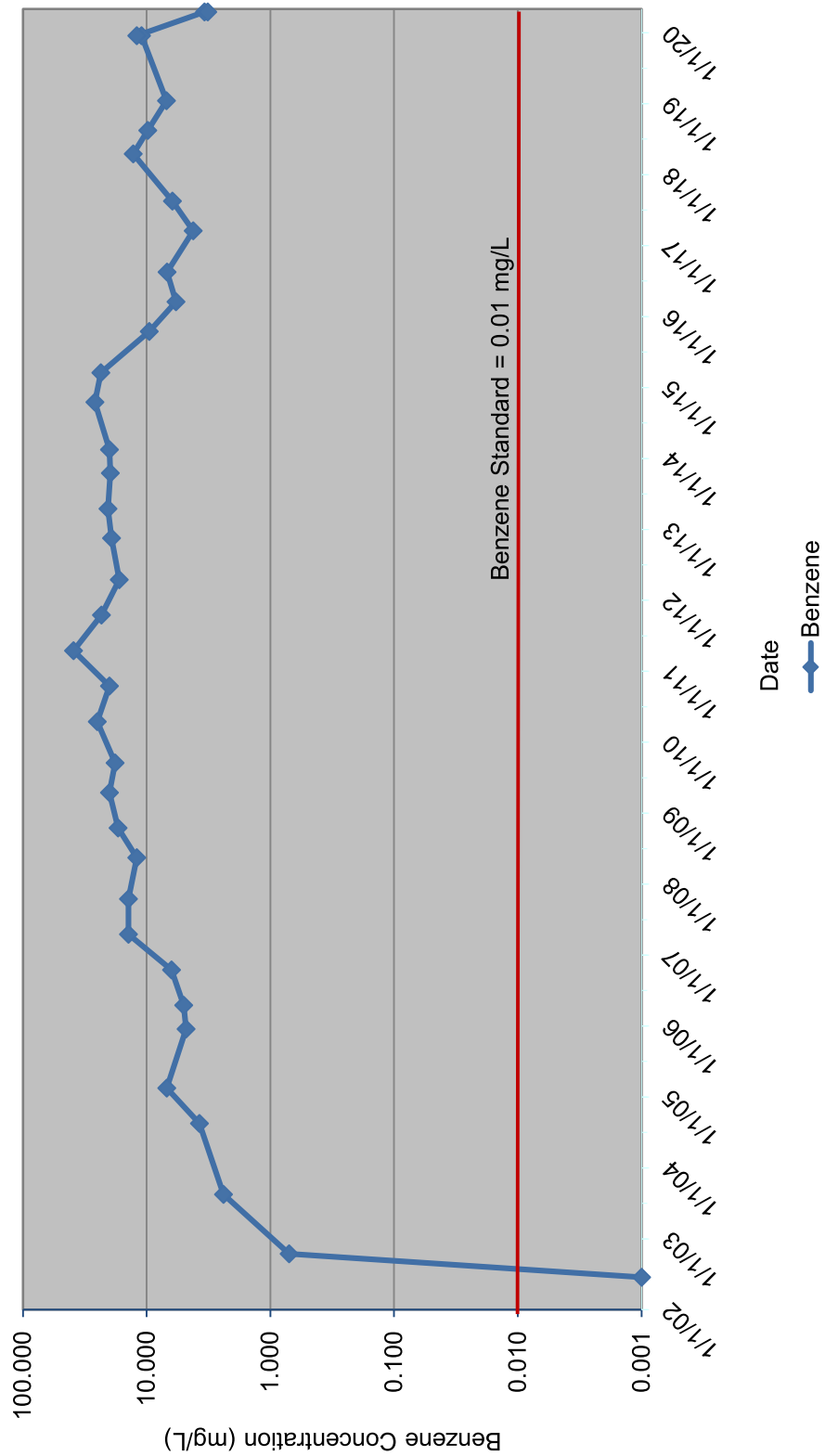
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-2



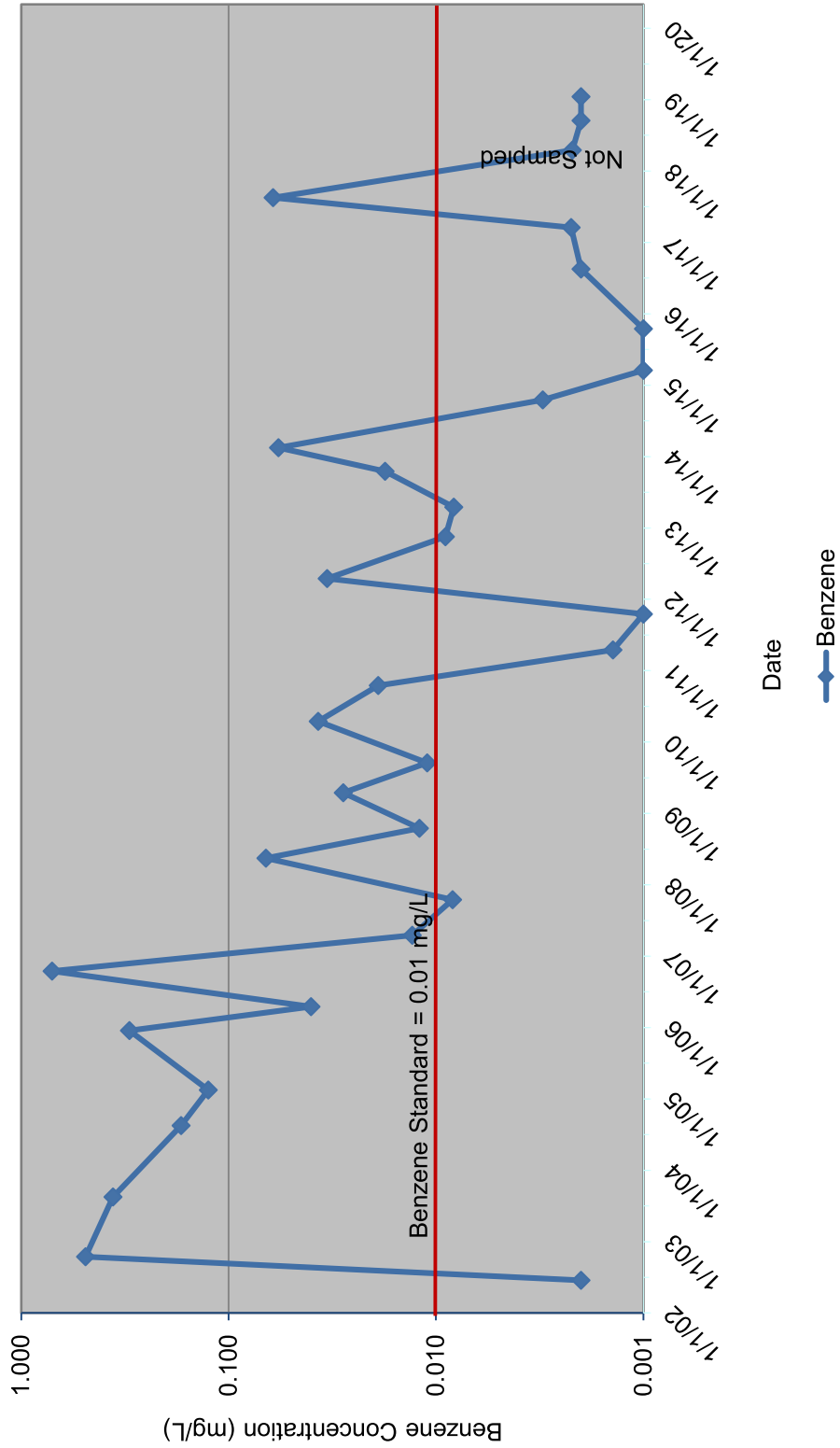
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-3



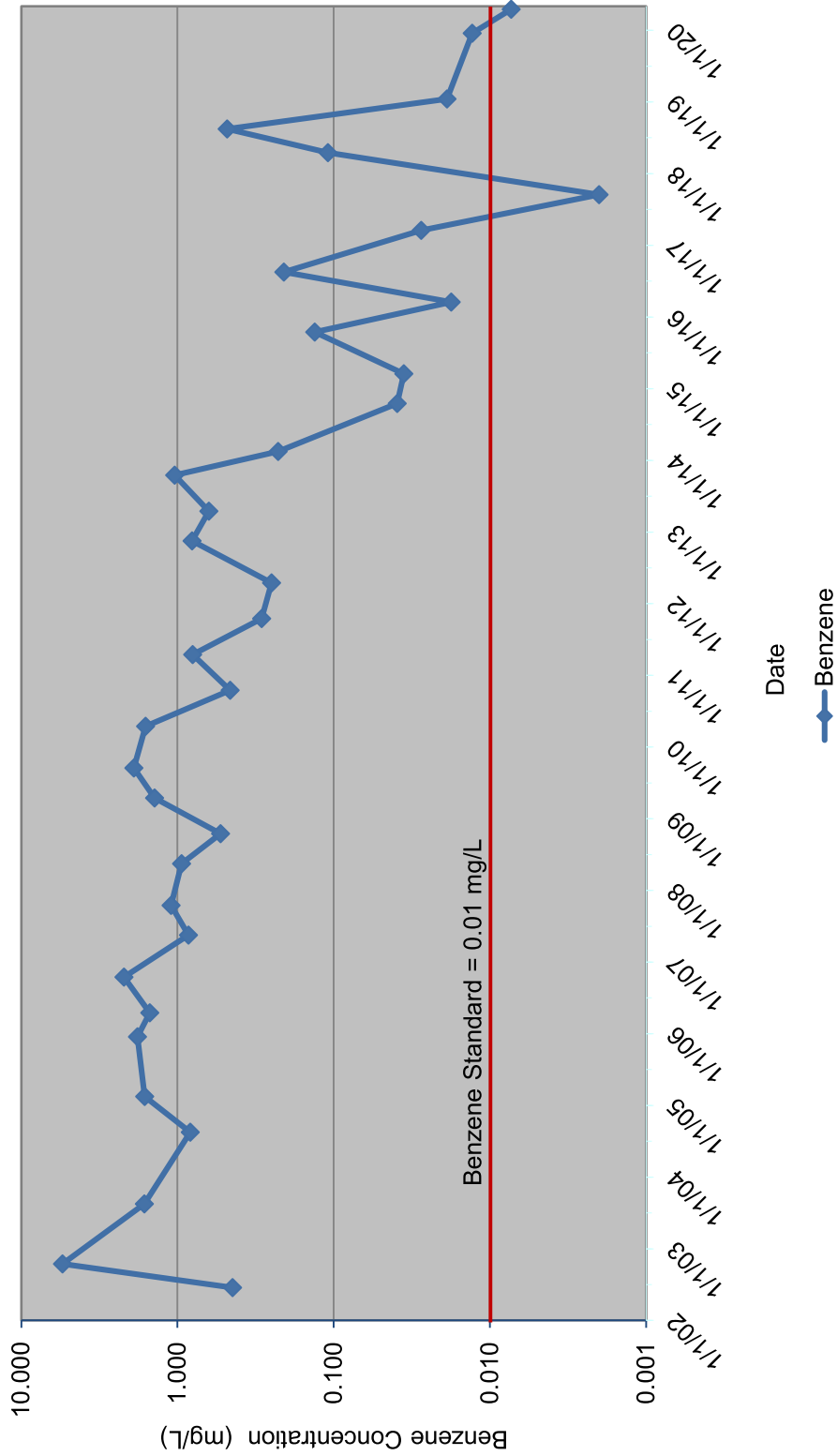
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Lea County, NM
Benzene in Groundwater
MW-4



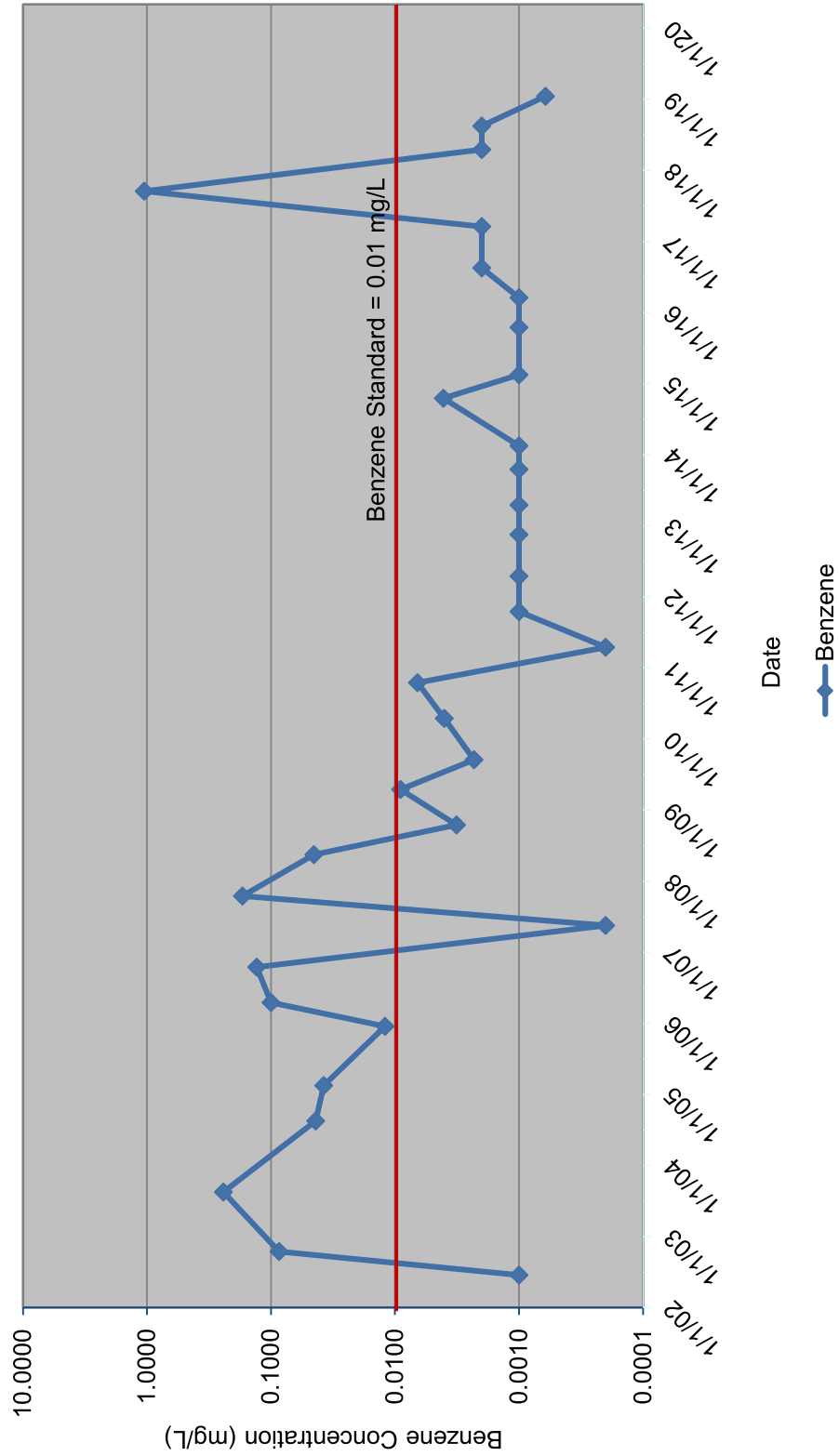
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Lea County, NM
Benzene in Groundwater
MW-5



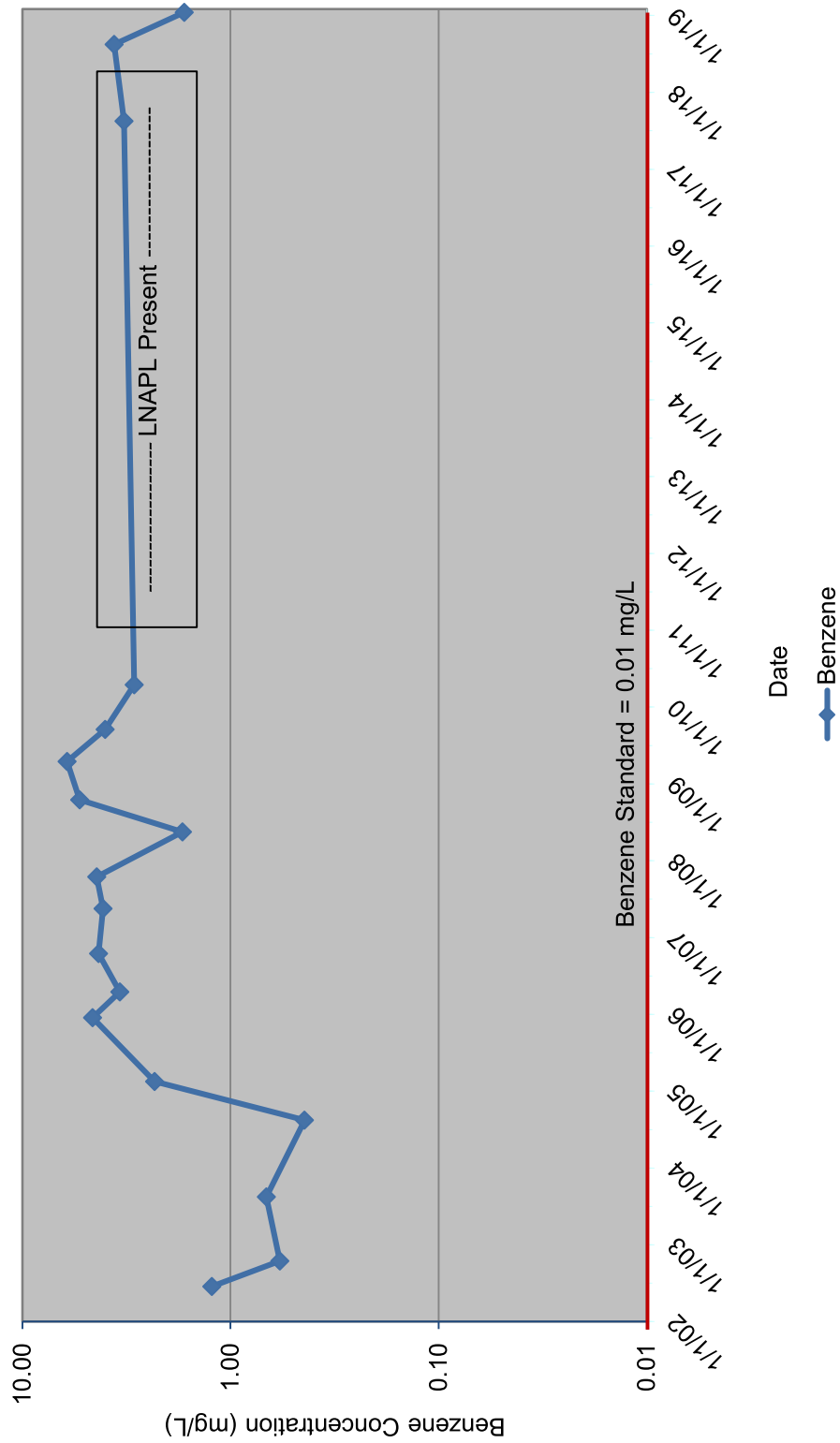
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Lea County, NM
Benzene in Groundwater
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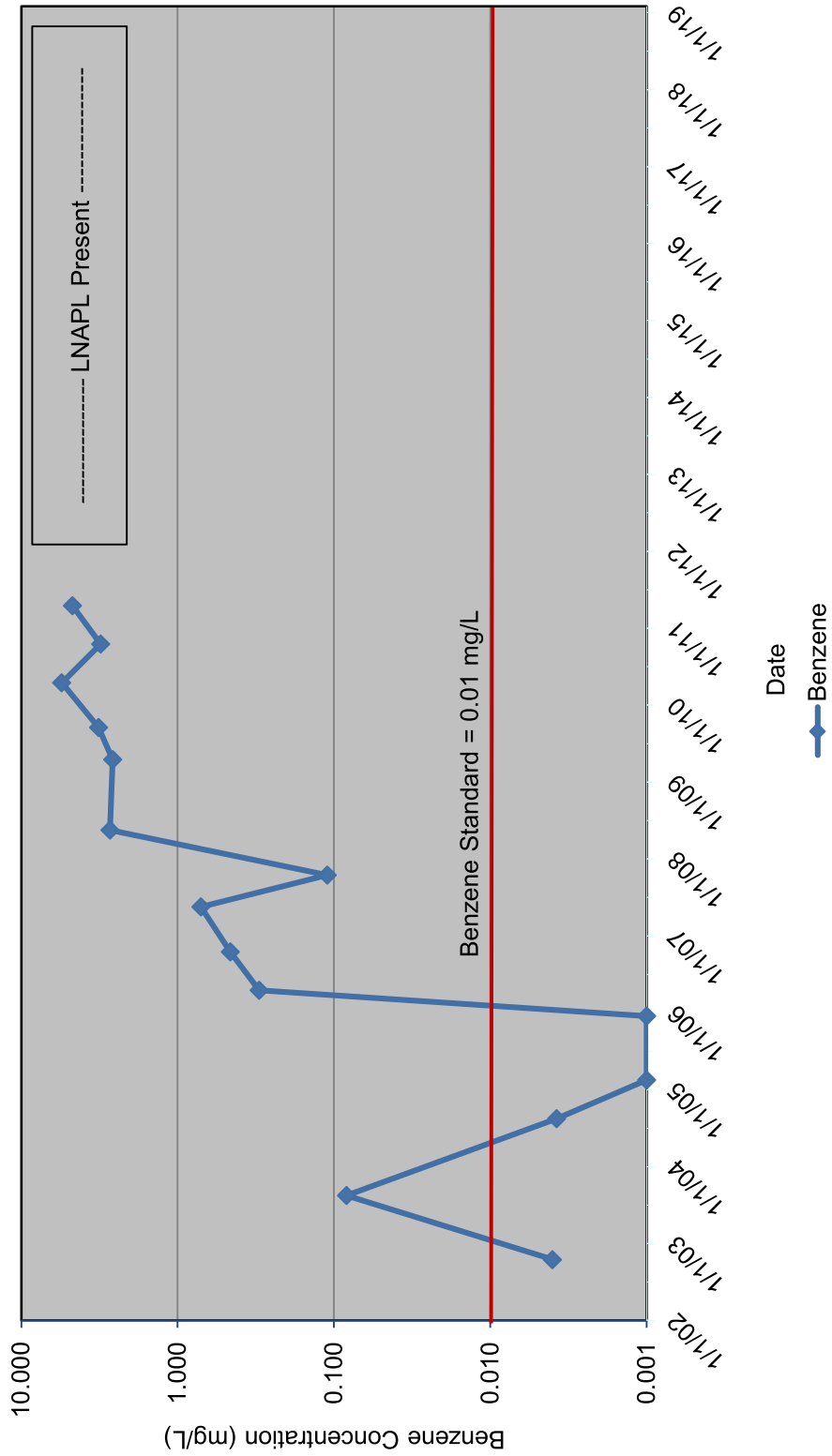
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Lea County, NM
Benzene in Groundwater
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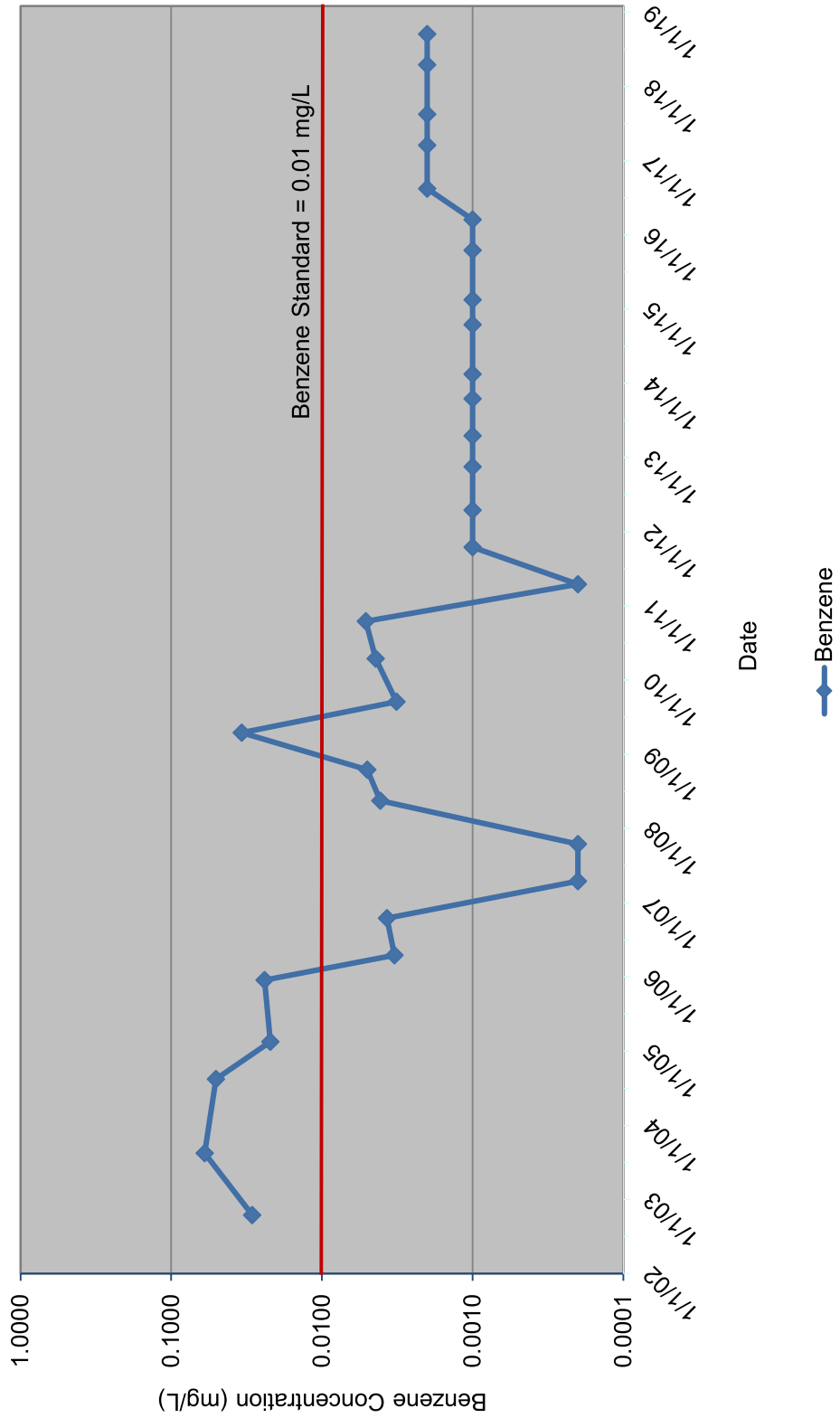
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-8



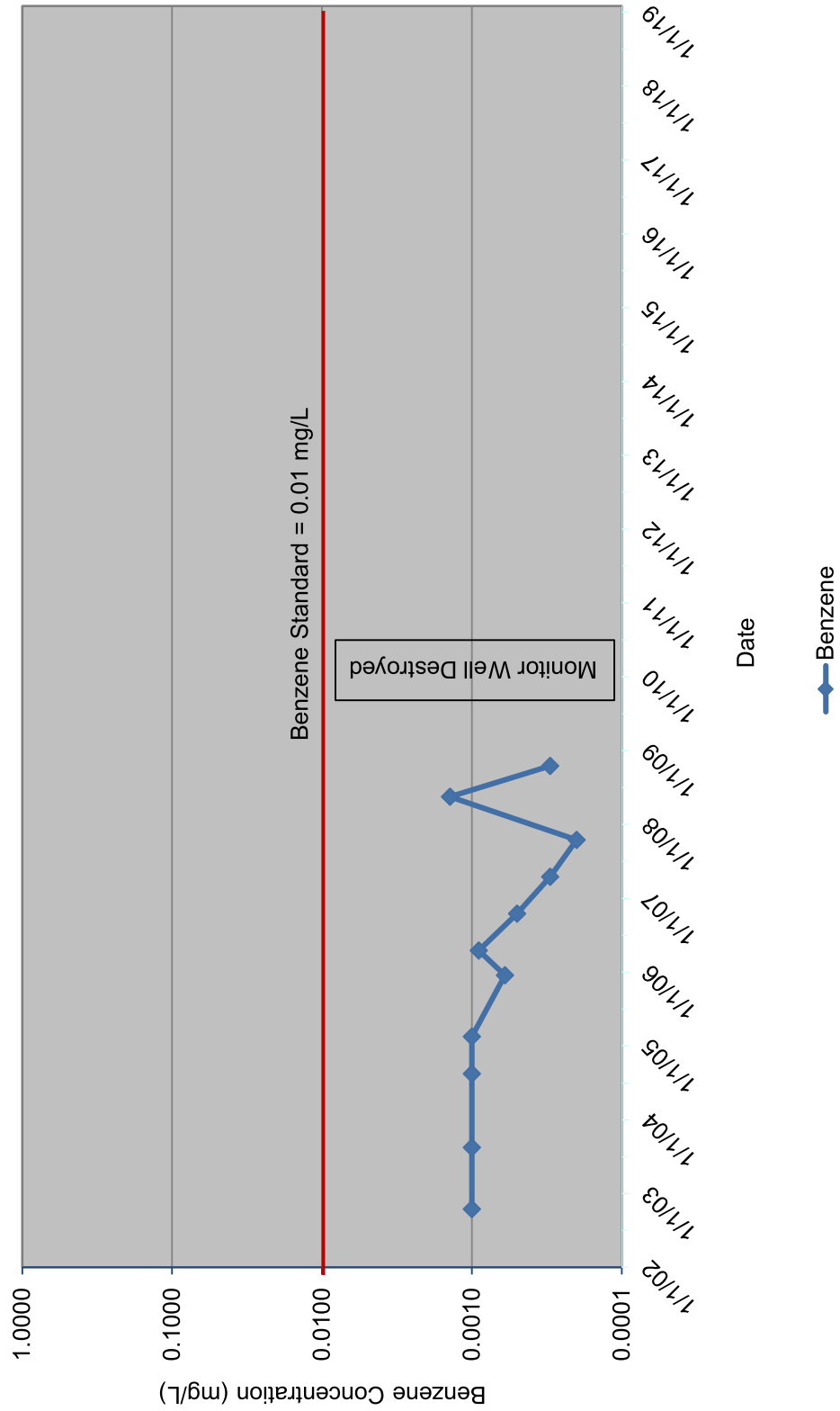
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
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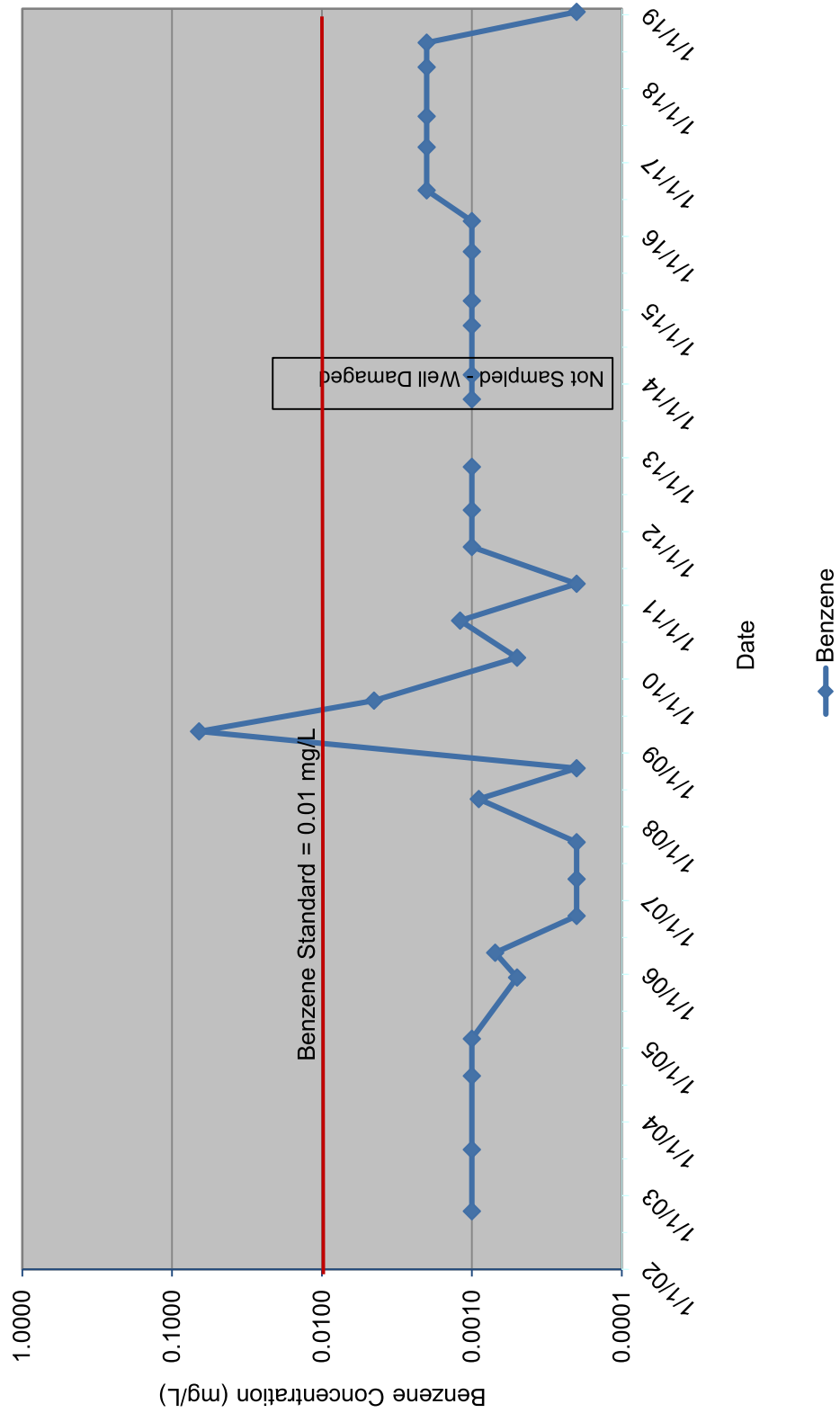
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
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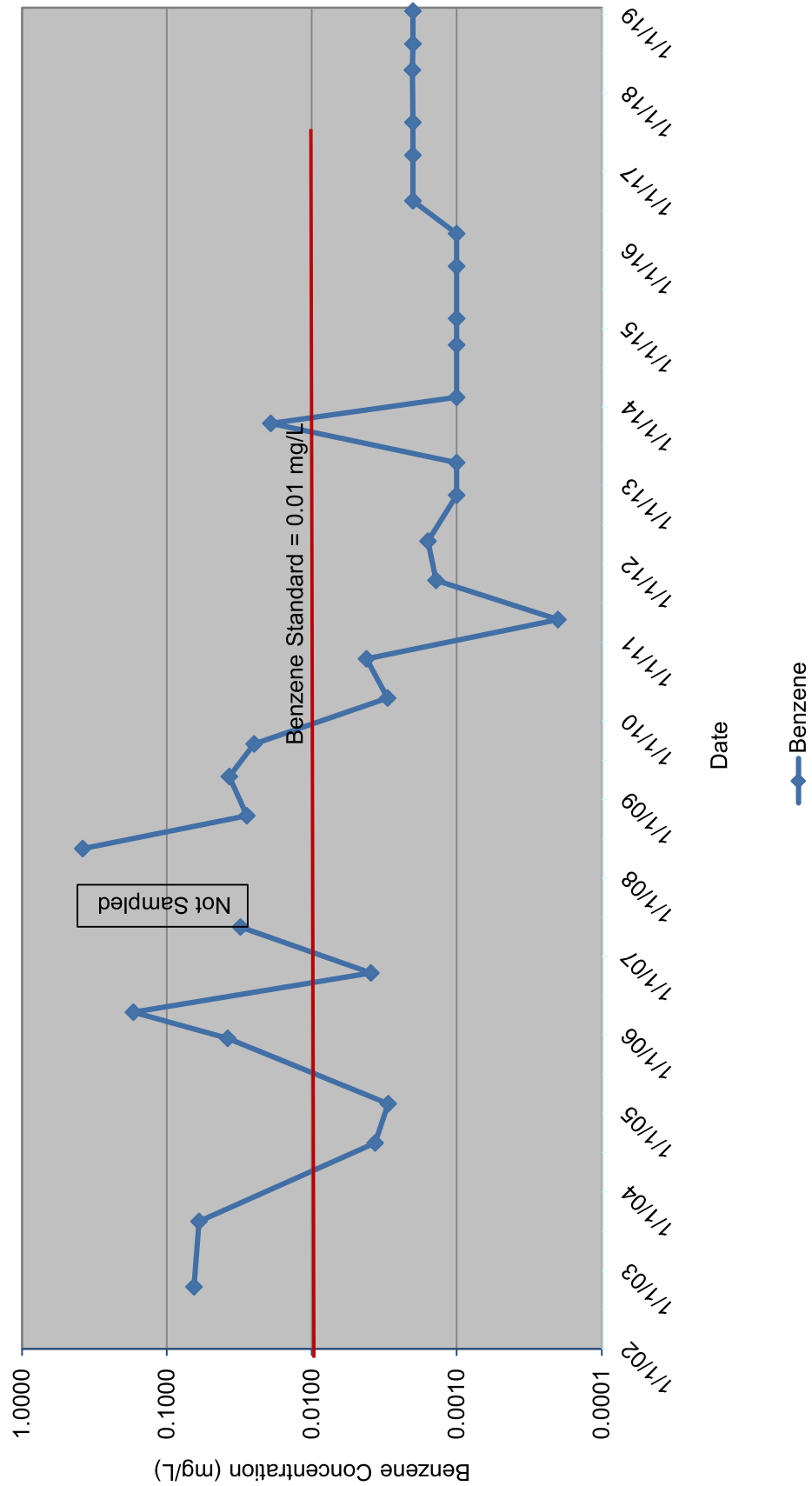
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-11



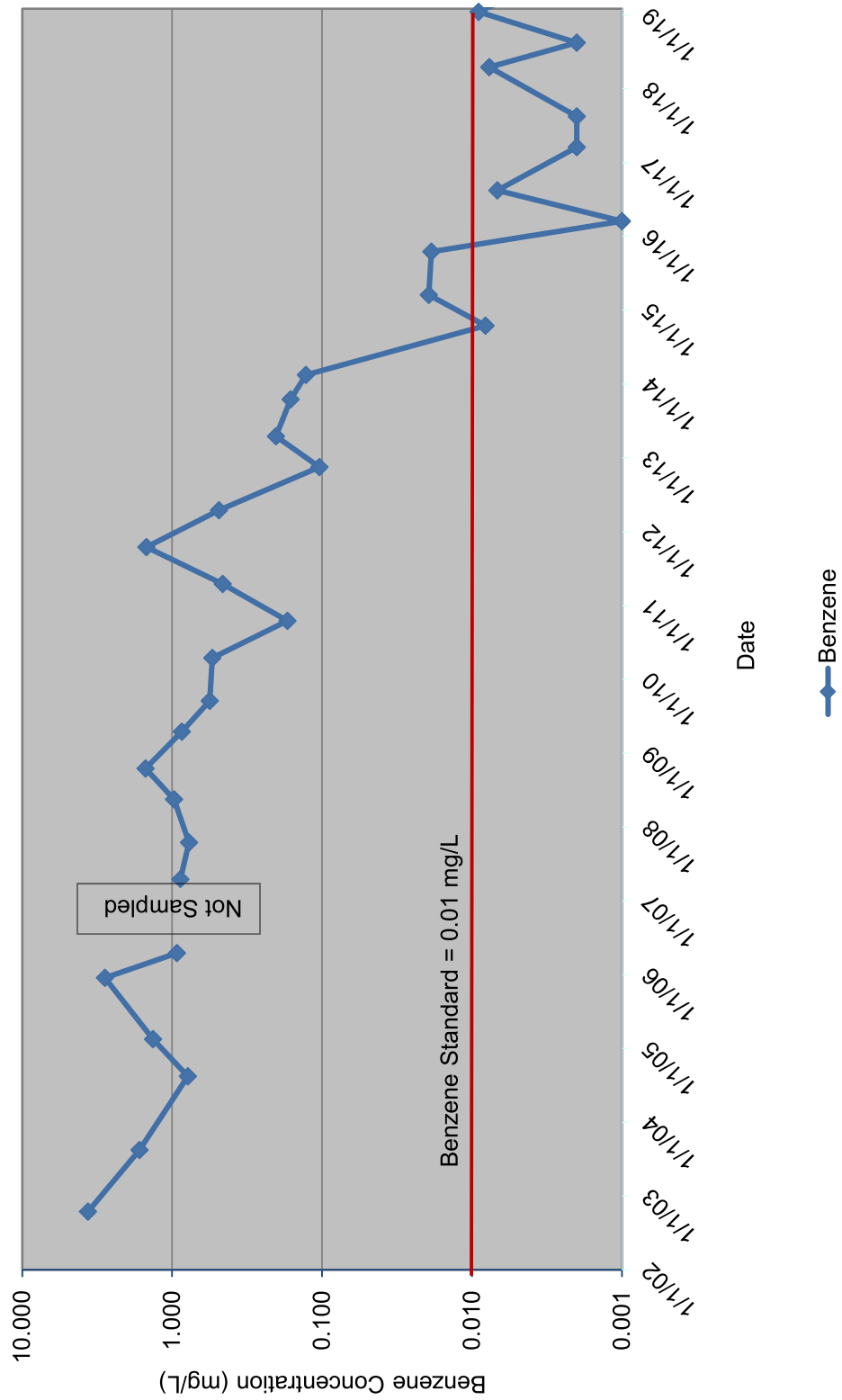
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-12



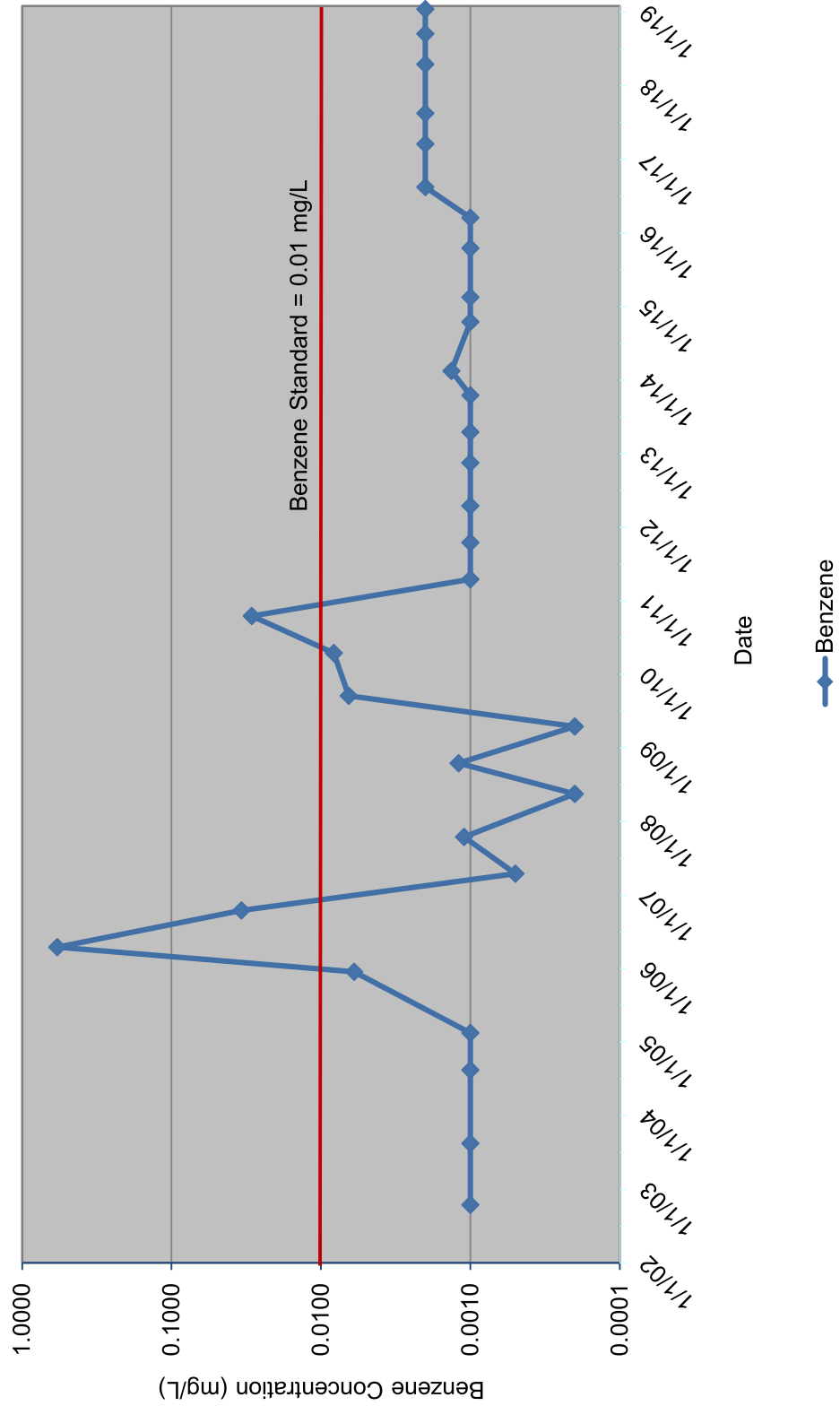
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-13



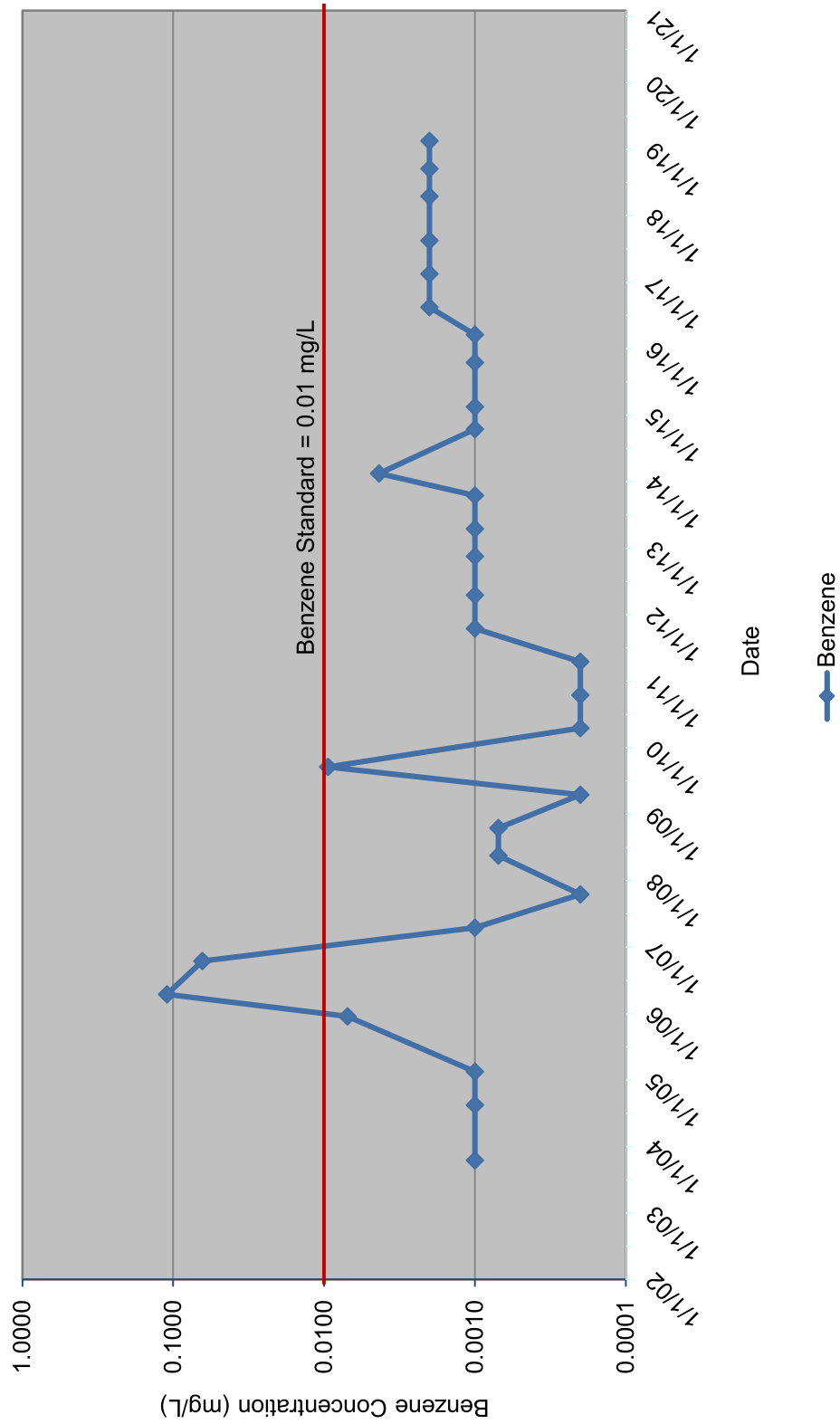
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Buckeye Compressor Station
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Benzene in Groundwater
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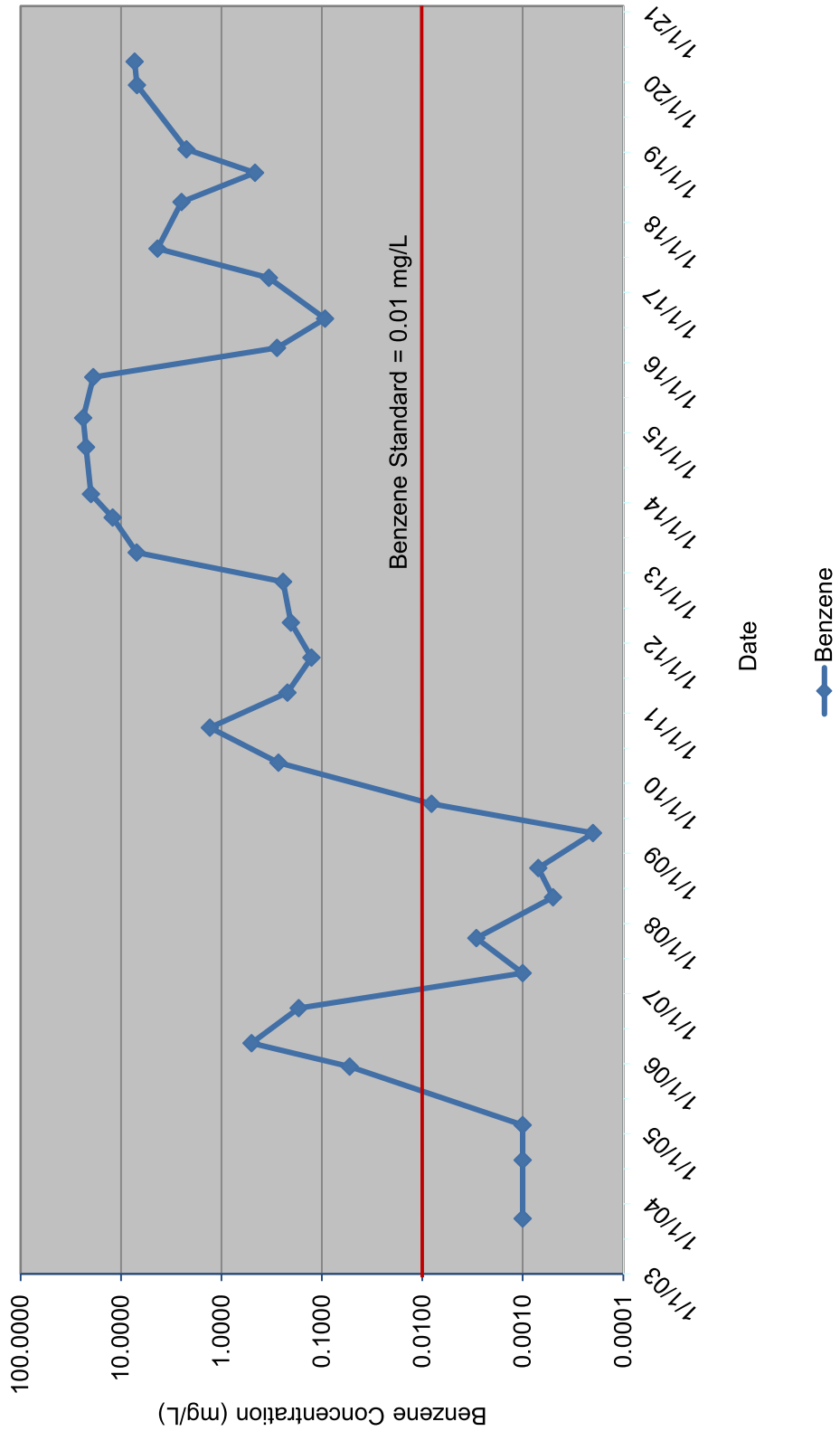
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Lea County, NM
Benzene in Groundwater
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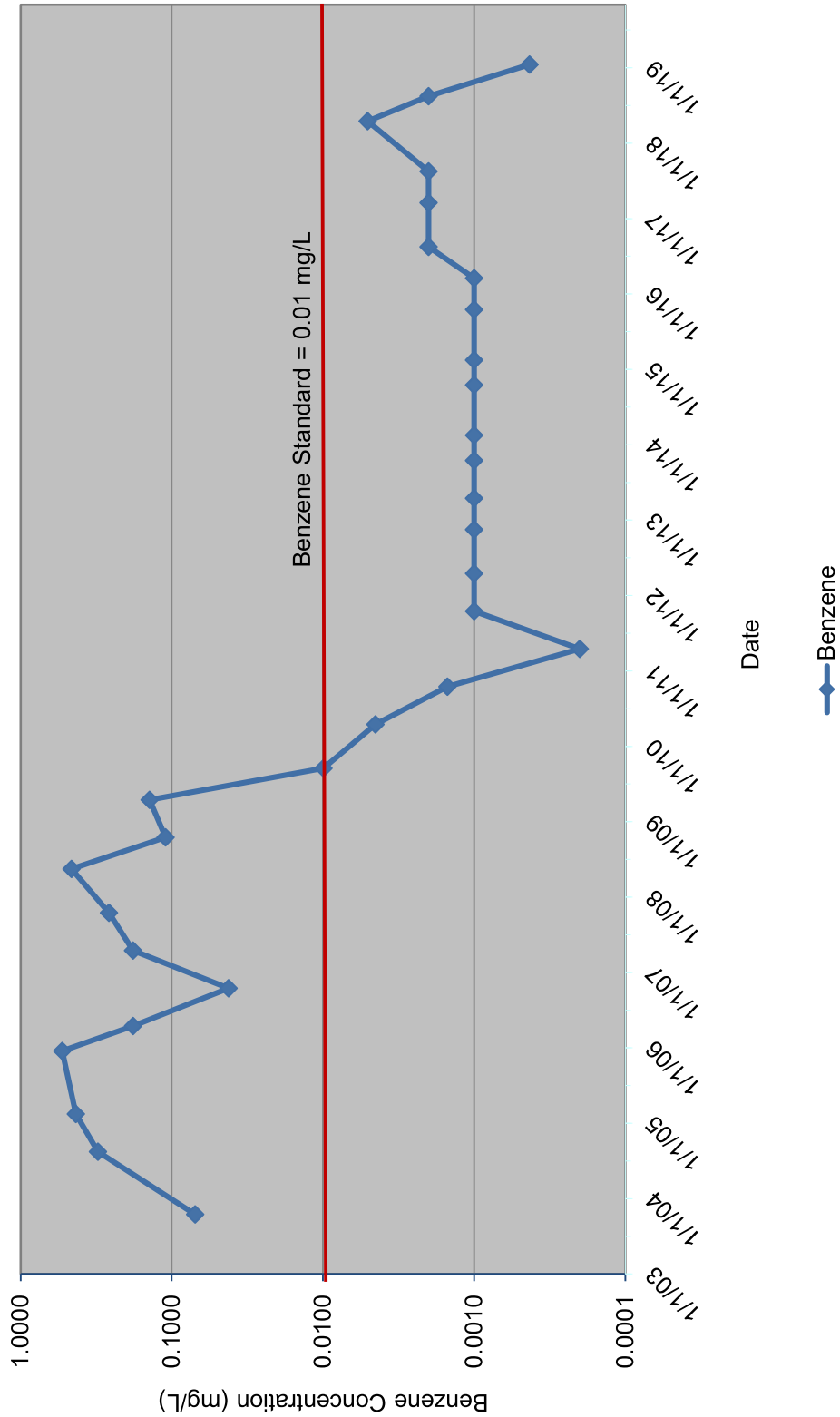
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-16



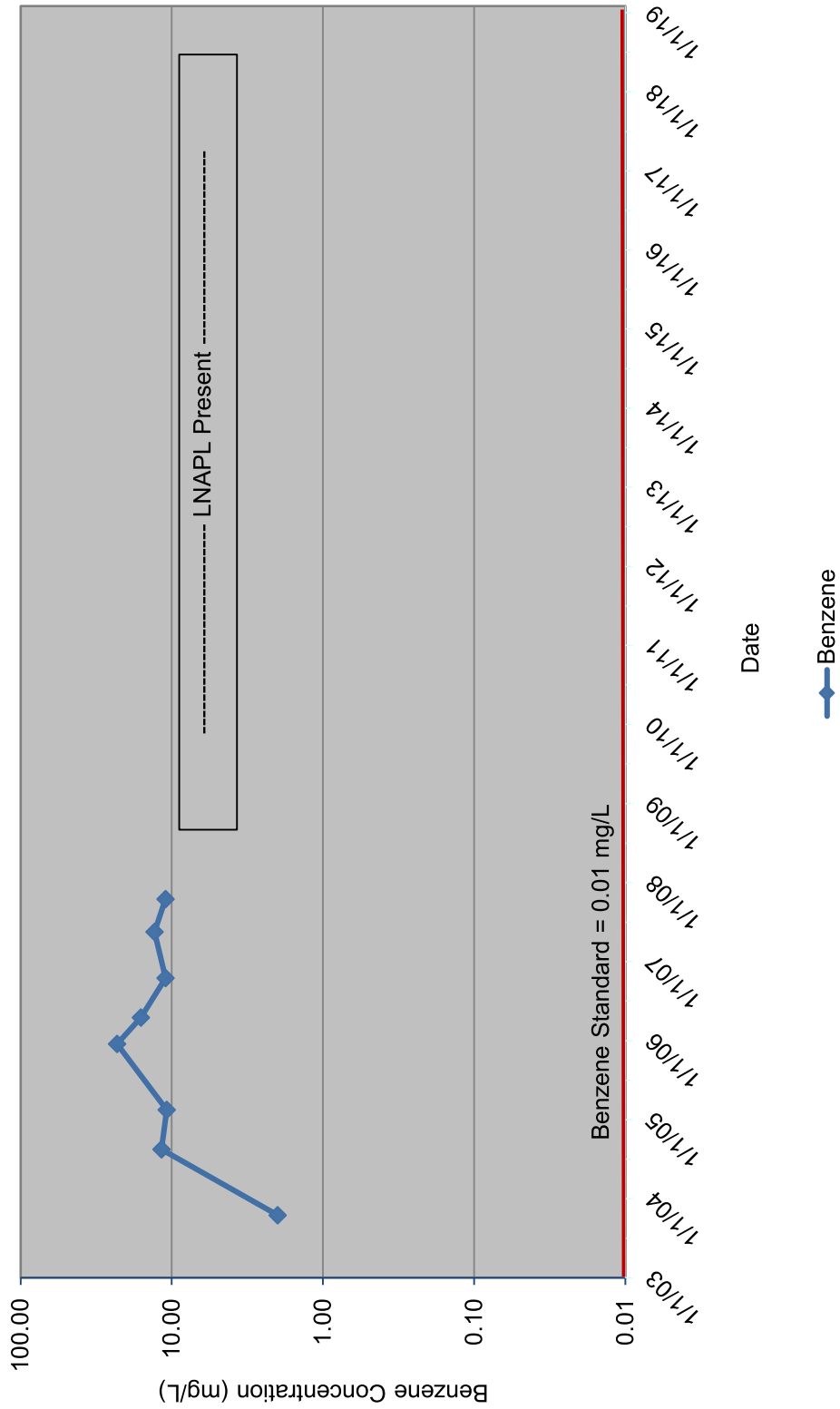
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-17



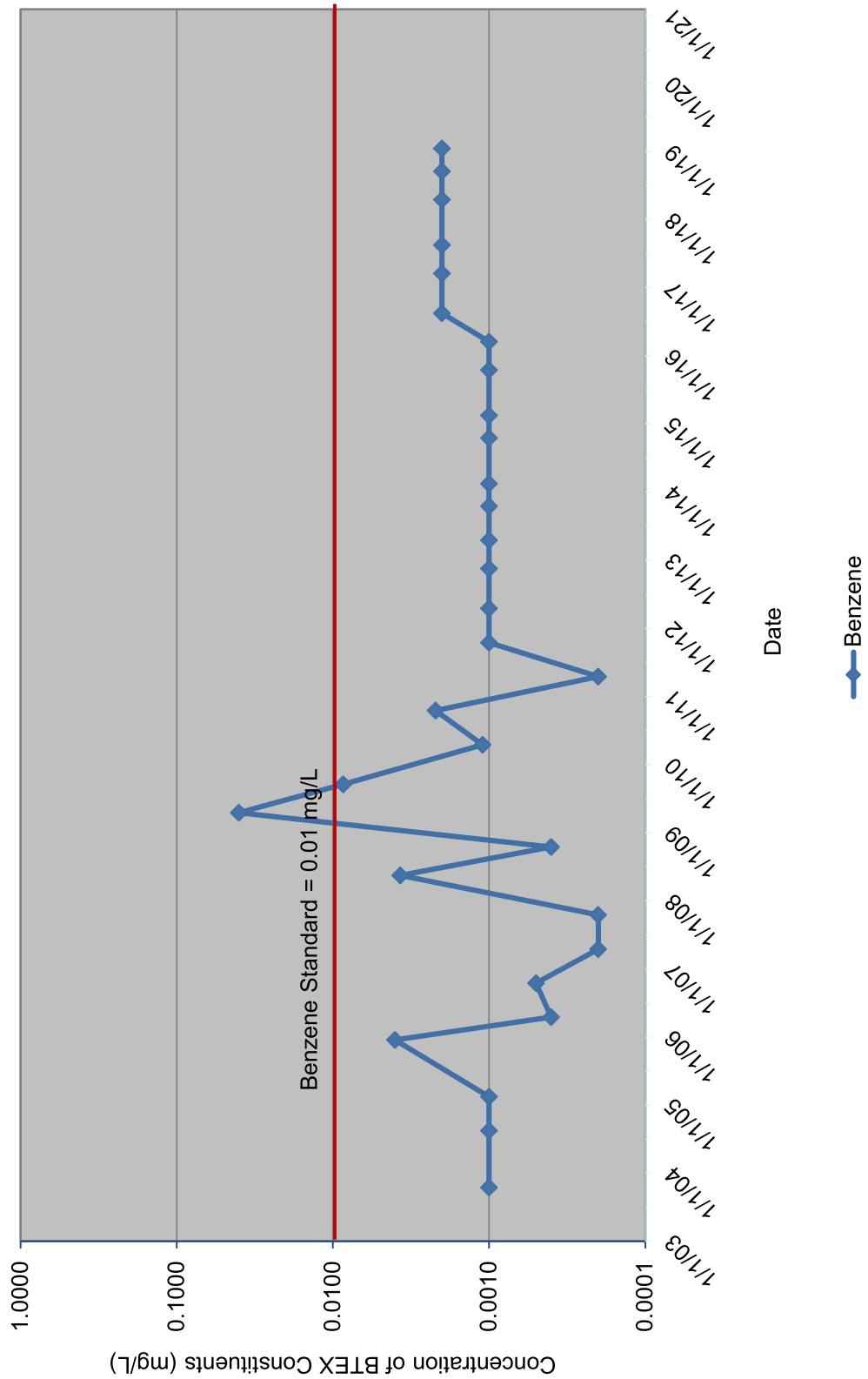
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-18



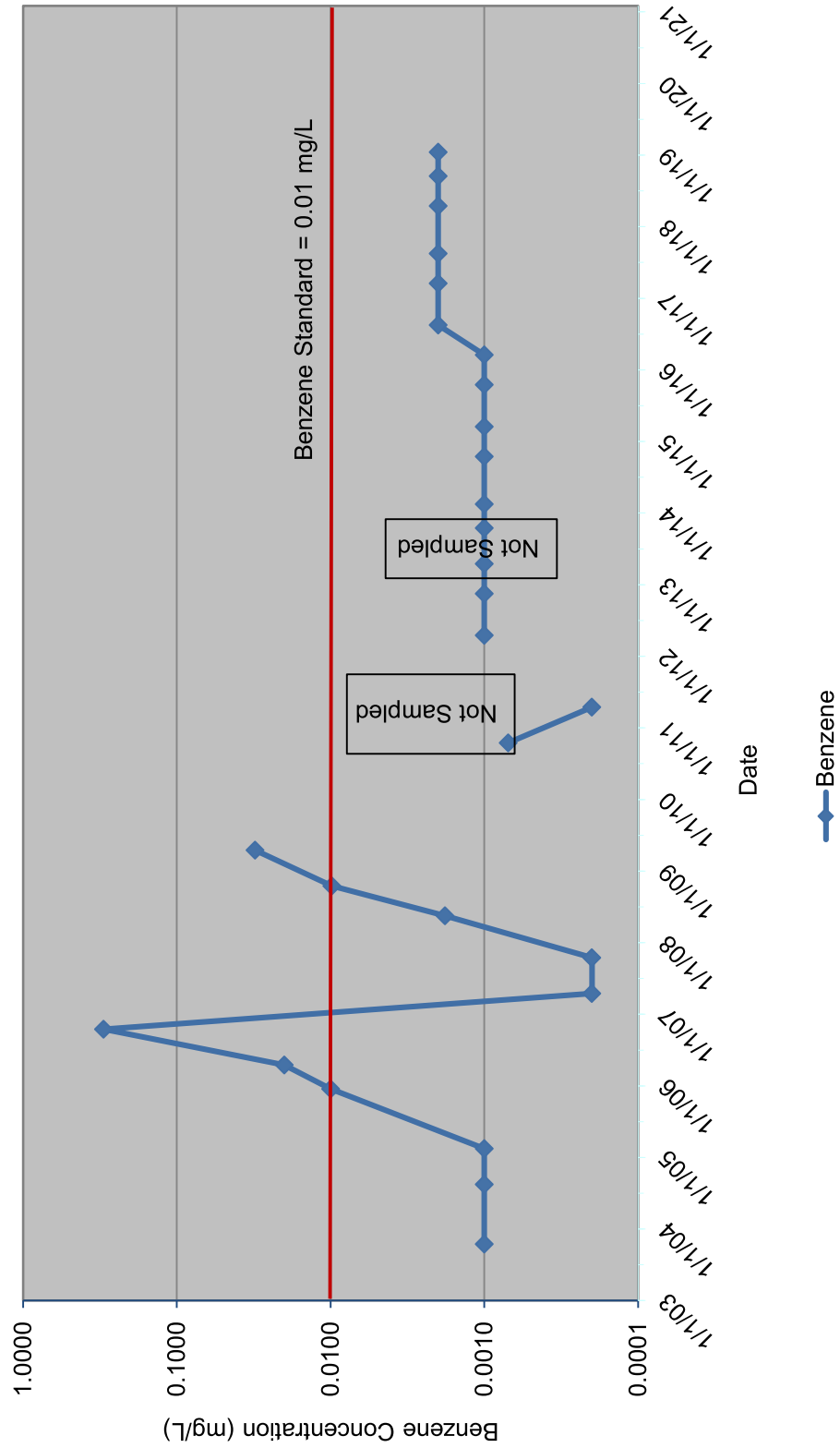
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-19



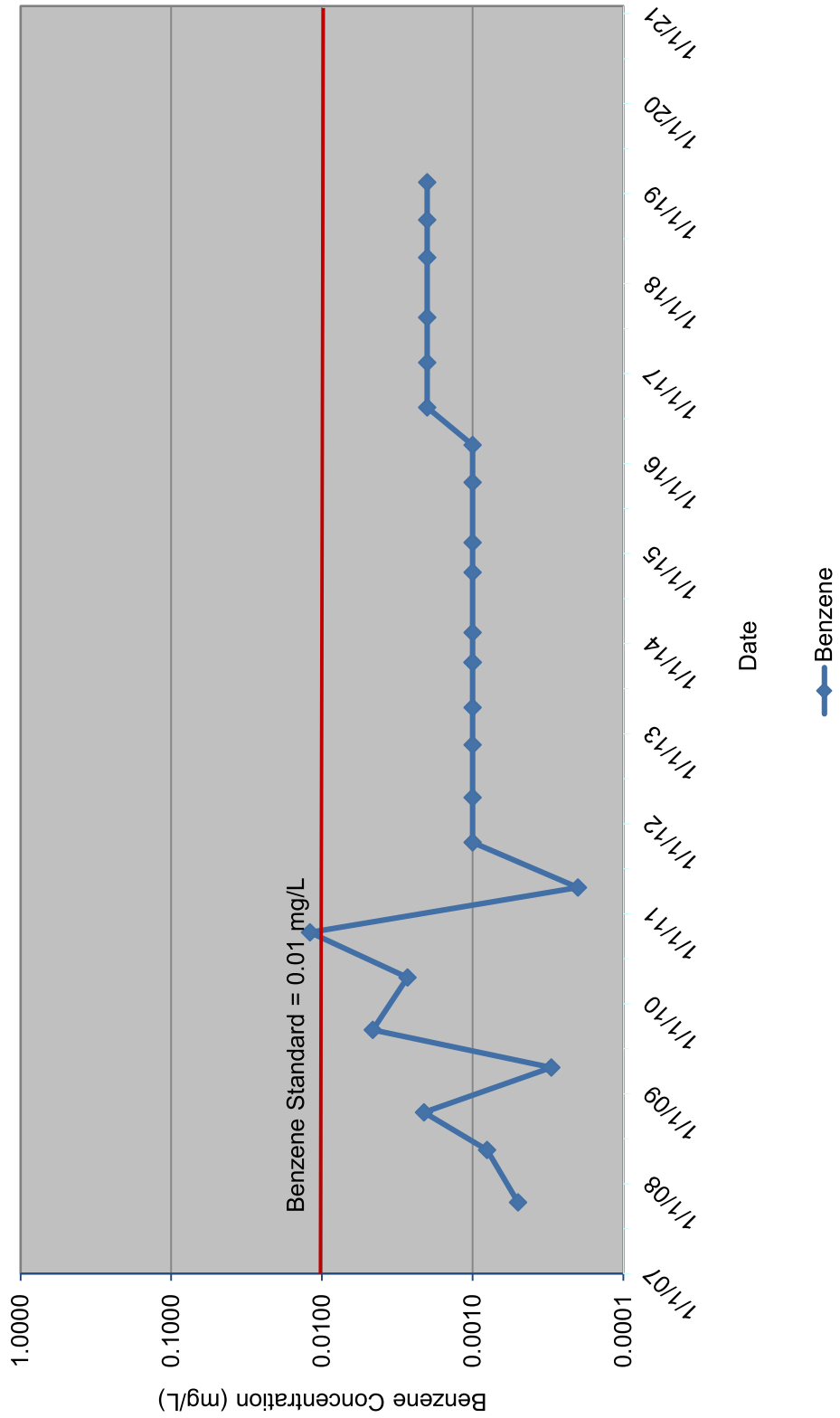
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-20



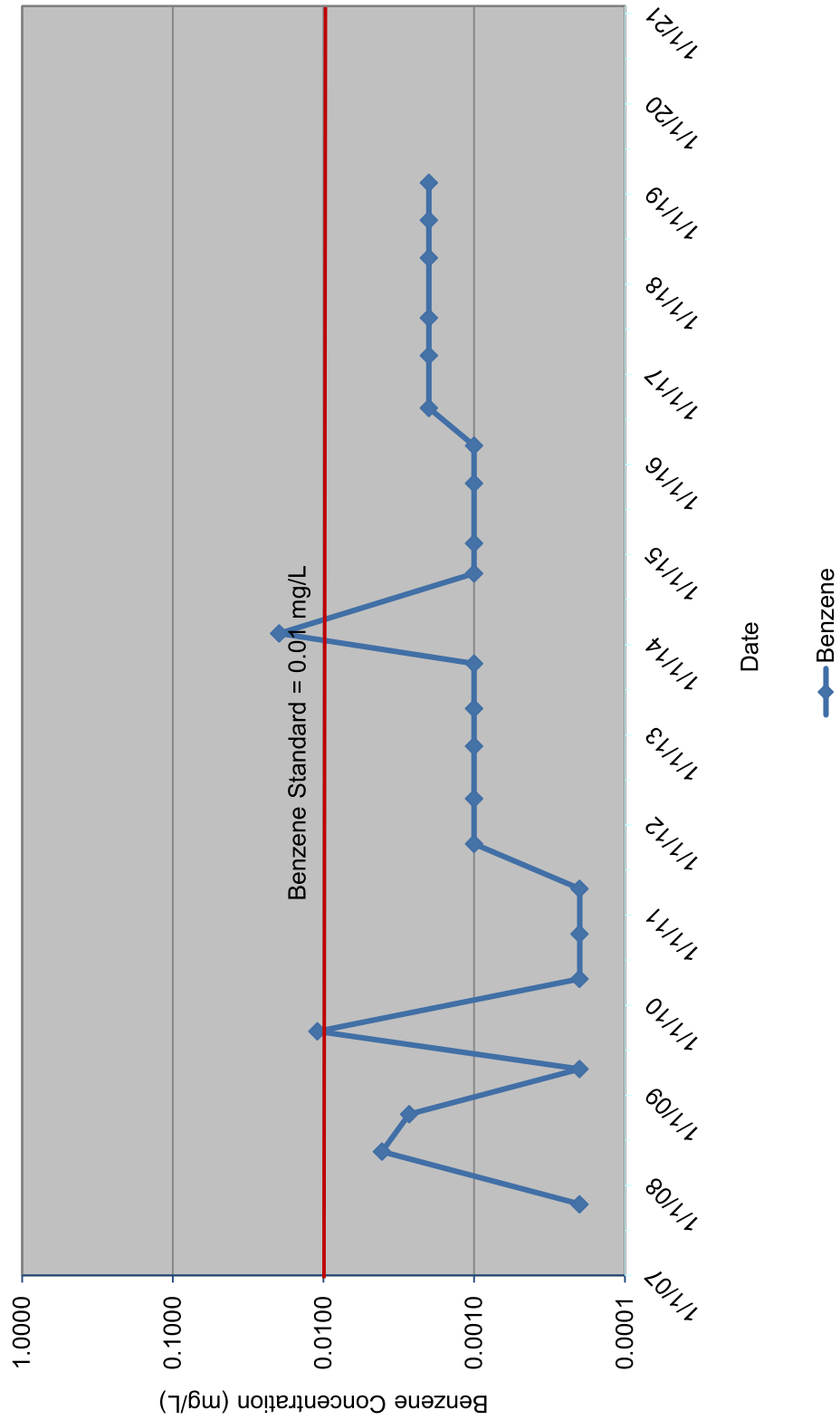
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-21



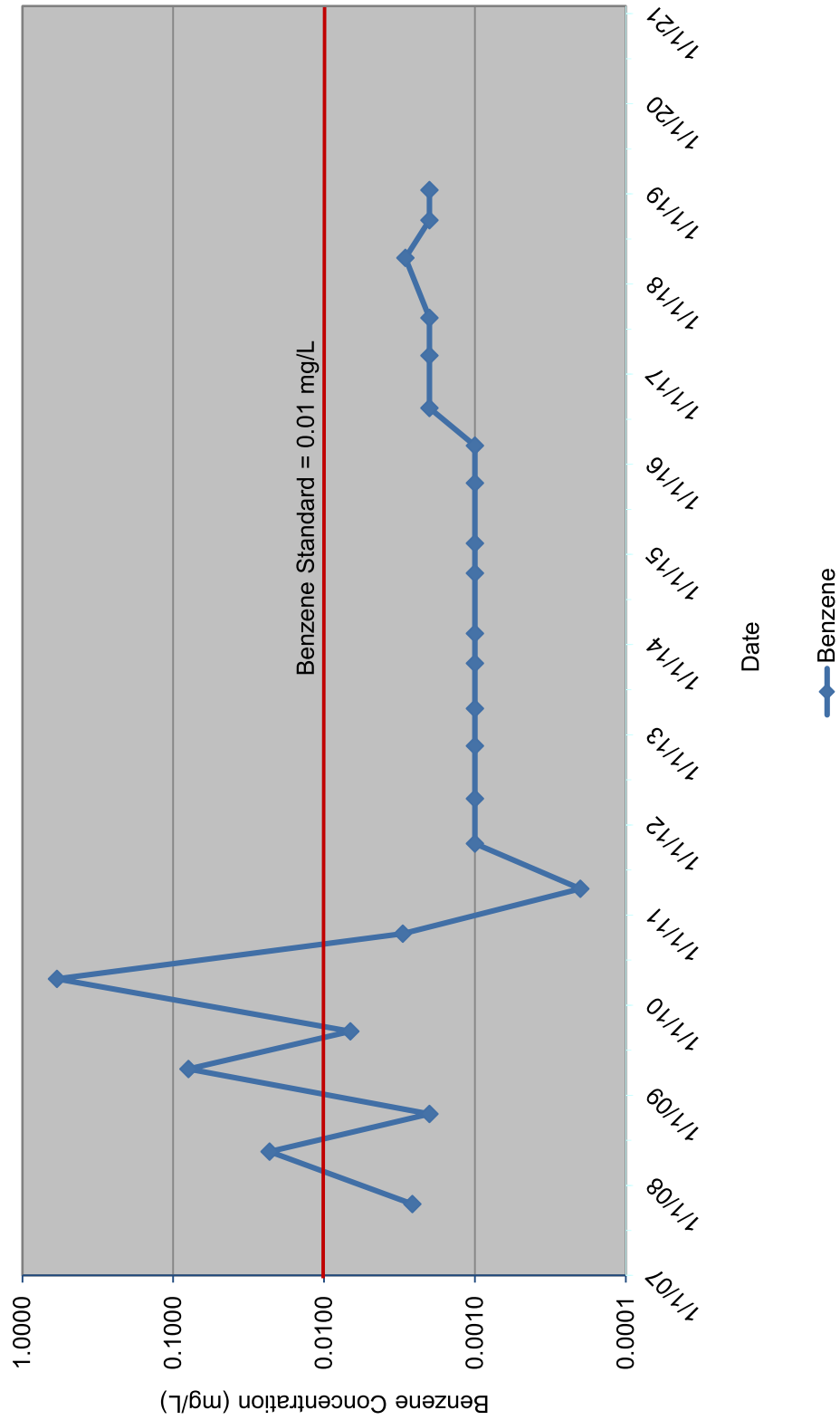
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Buckeye Compressor Station
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Benzene in Groundwater
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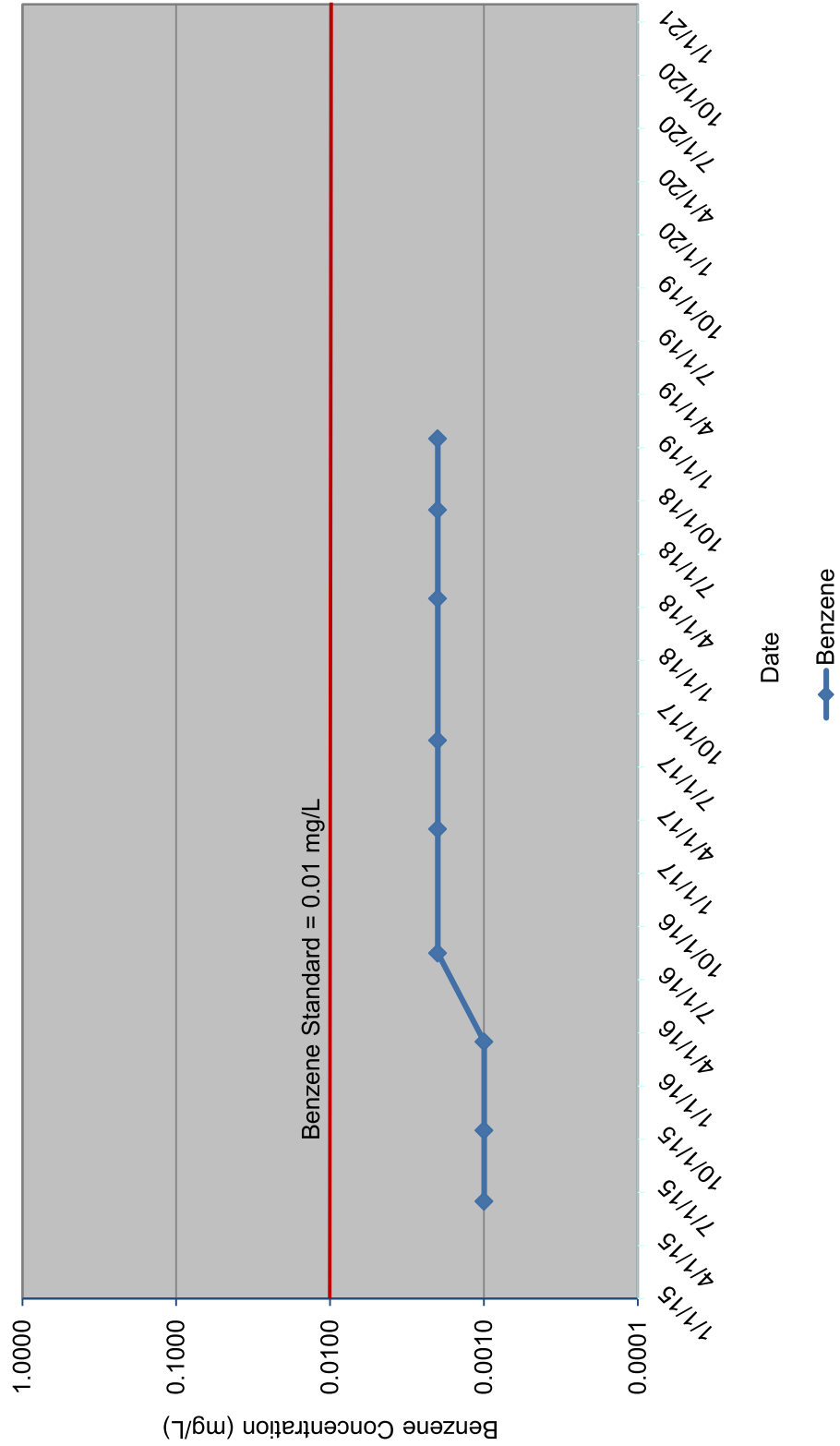
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Lea County, NM
Benzene in Groundwater
MW-23



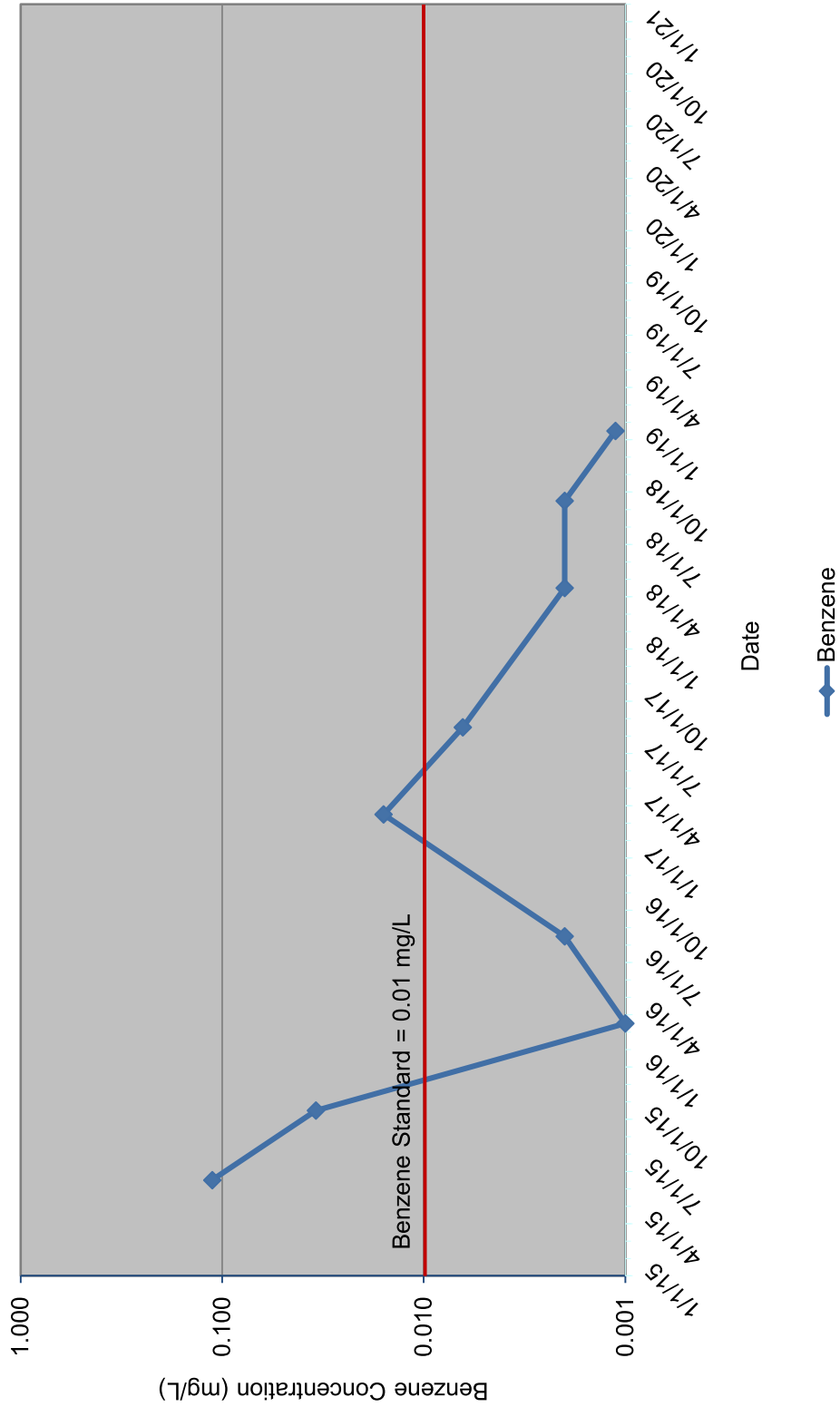
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Benzene in Groundwater
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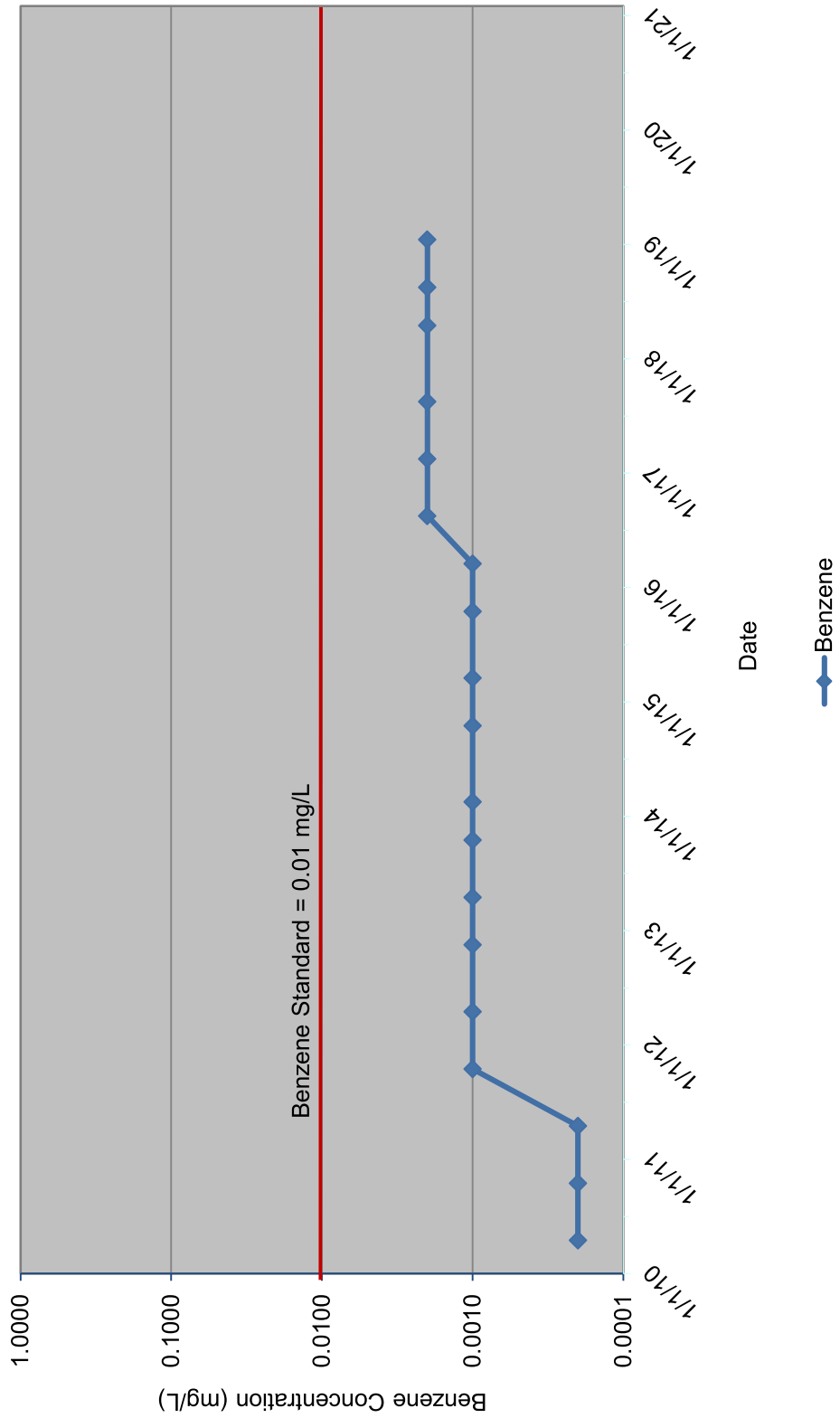
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
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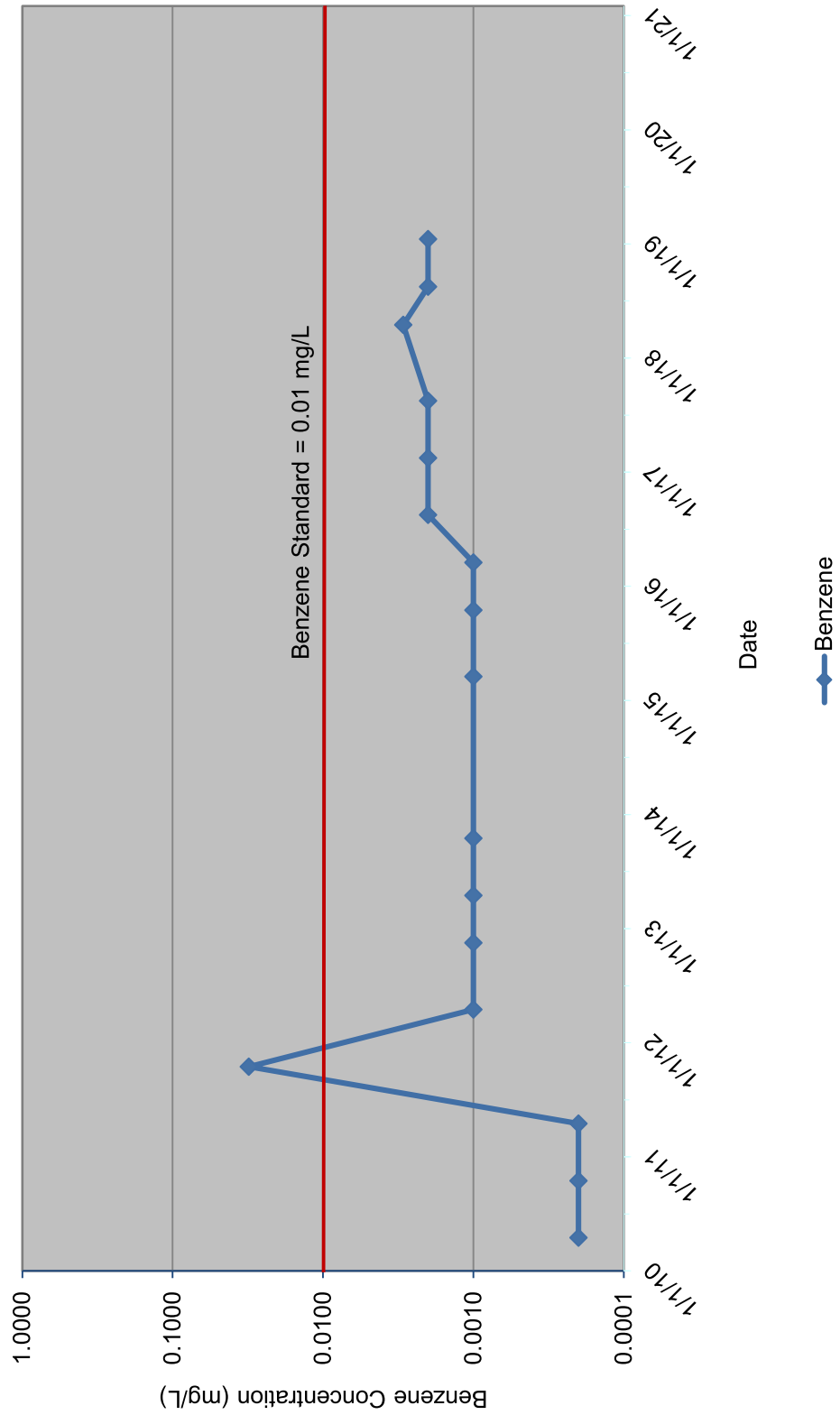
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Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
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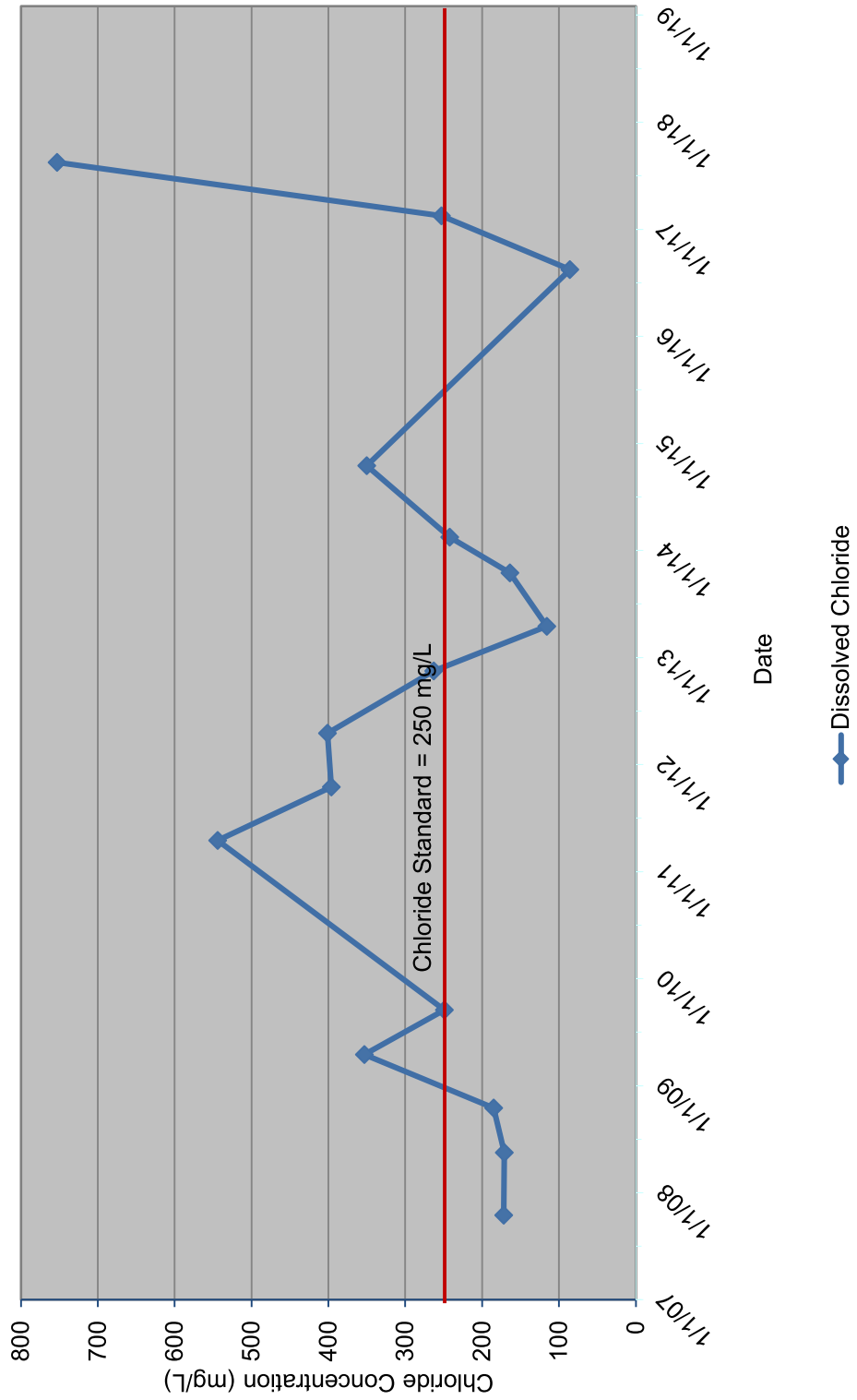
Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
TW-11



Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
TW-13



Chevron Environmental Management Company
Buckeye Compressor Station
Lea County, NM
Chloride in Groundwater
MW-22



Appendix H

Analytical Reports



Environment Testing
TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

Laboratory Job ID: 600-203586-1

Client Project/Site: Chevron - Buckeye Compressor Station

For:

ARCADIS U.S. Inc
10205 Westheimer Rd
Suite 800
Houston, Texas 77042

Attn: Douglas Jordan

Authorized for release by:
4/30/2020 3:25:34 PM

Sachin Kudchadkar, Senior Project Manager
(713)690-4444
sachin.kudchadkar@testamericainc.com

LINKS

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results through
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www.testamericainc.com

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

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

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

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Laboratory Job ID: 600-203586-1

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Method Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203586-1

Project/Site: Chevron - Buckeye Compressor Station

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8015B	Gasoline Range Organics - (GC)	SW846	TAL HOU
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL HOU
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL HOU
5030B	Purge and Trap	SW846	TAL HOU

Protocol References:

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

Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Eurofins TestAmerica, Houston

Sample Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203586-1

Project/Site: Chevron - Buckeye Compressor Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
600-203586-1	MW-24-W-200407	Water	04/07/20 10:18	04/09/20 10:39	
600-203586-2	MW-20-W-200407	Water	04/07/20 11:34	04/09/20 10:39	
600-203586-3	MW-25-W-200407	Water	04/07/20 13:44	04/09/20 10:39	
600-203586-4	MW-12-W-200407	Water	04/07/20 14:00	04/09/20 10:39	
600-203586-5	TW-11-W-200407	Water	04/07/20 15:17	04/09/20 10:39	
600-203586-6	MW-16-W-200407	Water	04/07/20 17:08	04/09/20 10:39	
600-203586-7	MW-22-W-200408	Water	04/08/20 08:29	04/09/20 10:39	
600-203586-8	MW-17-W-200408	Water	04/08/20 11:20	04/09/20 10:39	
600-203586-9	MW-15-W-200408	Water	04/08/20 12:40	04/09/20 10:39	

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-24-W-200407

Lab Sample ID: 600-203586-1

Date Collected: 04/07/20 10:18

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 20:26	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 20:26	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/14/20 20:26	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134		04/14/20 20:26	1
Dibromofluoromethane	106		62 - 130		04/14/20 20:26	1
Toluene-d8 (Surr)	115		70 - 130		04/14/20 20:26	1
4-Bromofluorobenzene	98		67 - 139		04/14/20 20:26	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/16/20 15:10	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.046	U	0.26	0.046	mg/L		04/14/20 09:33	04/24/20 17:17	1
Oil Range Organics (C28-C36)	0.15	U	0.26	0.15	mg/L		04/14/20 09:33	04/24/20 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	96		60 - 140	04/14/20 09:33	04/24/20 17:17	1

Client Sample ID: MW-20-W-200407

Lab Sample ID: 600-203586-2

Date Collected: 04/07/20 11:34

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00027	J	0.0010	0.00018	mg/L			04/14/20 20:51	1
Ethylbenzene	0.00032	J	0.0010	0.00021	mg/L			04/14/20 20:51	1
Toluene	0.0012		0.0010	0.00020	mg/L			04/14/20 20:51	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134		04/14/20 20:51	1
Dibromofluoromethane	109		62 - 130		04/14/20 20:51	1
Toluene-d8 (Surr)	111		70 - 130		04/14/20 20:51	1
4-Bromofluorobenzene	100		67 - 139		04/14/20 20:51	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/16/20 15:33	1

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-20-W-200407

Lab Sample ID: 600-203586-2

Date Collected: 04/07/20 11:34

Matrix: Water

Date Received: 04/09/20 10:39

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.046	U	0.26	0.046	mg/L		04/14/20 09:33	04/24/20 17:51	1
Oil Range Organics (C28-C36)	0.15	U	0.26	0.15	mg/L		04/14/20 09:33	04/24/20 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	90		60 - 140				04/14/20 09:33	04/24/20 17:51	1

Client Sample ID: MW-25-W-200407

Lab Sample ID: 600-203586-3

Date Collected: 04/07/20 13:44

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 21:17	1
Ethylbenzene	0.00021	J	0.0010	0.00021	mg/L			04/14/20 21:17	1
Toluene	0.00028	J	0.0010	0.00020	mg/L			04/14/20 21:17	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134					04/14/20 21:17	1
Dibromofluoromethane	110		62 - 130					04/14/20 21:17	1
Toluene-d8 (Surr)	113		70 - 130					04/14/20 21:17	1
4-Bromofluorobenzene	101		67 - 139					04/14/20 21:17	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>a,a,a</i> -Trifluorotoluene	102		70 - 130					04/16/20 15:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.045	U	0.25	0.045	mg/L		04/14/20 09:33	04/24/20 18:26	1
Oil Range Organics (C28-C36)	0.15	U	0.25	0.15	mg/L		04/14/20 09:33	04/24/20 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	98		60 - 140				04/14/20 09:33	04/24/20 18:26	1

Client Sample ID: MW-12-W-200407

Lab Sample ID: 600-203586-4

Date Collected: 04/07/20 14:00

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 21:42	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 21:42	1
Toluene	0.00022	J	0.0010	0.00020	mg/L			04/14/20 21:42	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134					04/14/20 21:42	1
Dibromofluoromethane	110		62 - 130					04/14/20 21:42	1

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-12-W-200407

Lab Sample ID: 600-203586-4

Date Collected: 04/07/20 14:00

Matrix: Water

Date Received: 04/09/20 10:39

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		04/14/20 21:42	1
4-Bromofluorobenzene	99		67 - 139		04/14/20 21:42	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/16/20 16:20	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.047	U	0.26	0.047	mg/L		04/14/20 09:33	04/24/20 19:00	1

Oil Range Organics (C28-C36)	0.25	J	0.26	0.16	mg/L		04/14/20 09:33	04/24/20 19:00	1
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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	92		60 - 140	04/14/20 09:33	04/24/20 19:00	1

Client Sample ID: TW-11-W-200407

Lab Sample ID: 600-203586-5

Date Collected: 04/07/20 15:17

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 22:08	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 22:08	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/14/20 22:08	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		50 - 134		04/14/20 22:08	1
Dibromofluoromethane	107		62 - 130		04/14/20 22:08	1
Toluene-d8 (Surr)	113		70 - 130		04/14/20 22:08	1
4-Bromofluorobenzene	98		67 - 139		04/14/20 22:08	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/16/20 16:43	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.047	U	0.26	0.047	mg/L		04/14/20 09:33	04/24/20 19:35	1

Oil Range Organics (C28-C36)	0.27		0.26	0.16	mg/L		04/14/20 09:33	04/24/20 19:35	1
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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	86		60 - 140	04/14/20 09:33	04/24/20 19:35	1

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-16-W-200407

Lab Sample ID: 600-203586-6

Date Collected: 04/07/20 17:08

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 22:33	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 22:33	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/14/20 22:33	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		04/14/20 22:33	1
Dibromofluoromethane	109		62 - 130		04/14/20 22:33	1
Toluene-d8 (Surr)	111		70 - 130		04/14/20 22:33	1
4-Bromofluorobenzene	100		67 - 139		04/14/20 22:33	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/16/20 17:07	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.046	U	0.26	0.046	mg/L		04/14/20 09:33	04/24/20 20:09	1
Oil Range Organics (C28-C36)	0.25	J	0.26	0.15	mg/L		04/14/20 09:33	04/24/20 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	100		60 - 140	04/14/20 09:33	04/24/20 20:09	1

Client Sample ID: MW-22-W-200408

Lab Sample ID: 600-203586-7

Date Collected: 04/08/20 08:29

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 22:58	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 22:58	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/14/20 22:58	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		50 - 134		04/14/20 22:58	1
Dibromofluoromethane	107		62 - 130		04/14/20 22:58	1
Toluene-d8 (Surr)	113		70 - 130		04/14/20 22:58	1
4-Bromofluorobenzene	97		67 - 139		04/14/20 22:58	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/16/20 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/16/20 17:30	1

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-22-W-200408

Lab Sample ID: 600-203586-7

Date Collected: 04/08/20 08:29

Matrix: Water

Date Received: 04/09/20 10:39

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.043	U	0.24	0.043	mg/L	—	04/14/20 09:33	04/24/20 21:18	1
Oil Range Organics (C28-C36)	0.14	U	0.24	0.14	mg/L	—	04/14/20 09:33	04/24/20 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	119		60 - 140				04/14/20 09:33	04/24/20 21:18	1

Client Sample ID: MW-17-W-200408

Lab Sample ID: 600-203586-8

Date Collected: 04/08/20 11:20

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.0014		0.0010	0.00021	mg/L	—		04/14/20 23:24	1
Toluene	0.00020	U	0.0010	0.00020	mg/L	—		04/14/20 23:24	1
Xylenes, Total	0.0015	J	0.0020	0.00037	mg/L	—		04/14/20 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		50 - 134					04/14/20 23:24	1
Dibromofluoromethane	153	X	62 - 130					04/14/20 23:24	1
Toluene-d8 (Surr)	107		70 - 130					04/14/20 23:24	1
4-Bromofluorobenzene	109		67 - 139					04/14/20 23:24	1

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.3		0.50	0.088	mg/L	—		04/15/20 21:00	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	71		50 - 134					04/15/20 21:00	500
Dibromofluoromethane	104		62 - 130					04/15/20 21:00	500
Toluene-d8 (Surr)	107		70 - 130					04/15/20 21:00	500
4-Bromofluorobenzene	99		67 - 139					04/15/20 21:00	500

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	19		1.0	0.46	mg/L	—		04/18/20 10:08	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>a,a,a</i> -Trifluorotoluene	103		70 - 130					04/18/20 10:08	20

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.047	U	0.26	0.047	mg/L	—	04/14/20 09:33	04/24/20 21:52	1
Oil Range Organics (C28-C36)	0.16	U	0.26	0.16	mg/L	—	04/14/20 09:33	04/24/20 21:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	98		60 - 140				04/14/20 09:33	04/24/20 21:52	1

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-15-W-200408

Lab Sample ID: 600-203586-9

Date Collected: 04/08/20 12:40

Matrix: Water

Date Received: 04/09/20 10:39

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00027	J	0.0010	0.00018	mg/L	—		04/16/20 13:35	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 23:49	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/14/20 23:49	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		50 - 134		04/14/20 23:49	1
1,2-Dichloroethane-d4 (Surr)	64		50 - 134		04/16/20 13:35	1
Dibromofluoromethane	107		62 - 130		04/14/20 23:49	1
Dibromofluoromethane	92		62 - 130		04/16/20 13:35	1
Toluene-d8 (Surr)	114		70 - 130		04/14/20 23:49	1
Toluene-d8 (Surr)	112		70 - 130		04/16/20 13:35	1
4-Bromofluorobenzene	100		67 - 139		04/14/20 23:49	1
4-Bromofluorobenzene	110		67 - 139		04/16/20 13:35	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	—		04/18/20 10:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/18/20 10:31	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.045	U	0.25	0.045	mg/L	—	04/14/20 09:33	04/24/20 22:26	1
Oil Range Organics (C28-C36)	0.15	U	0.25	0.15	mg/L		04/14/20 09:33	04/24/20 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	100		60 - 140	04/14/20 09:33	04/24/20 22:26	1

Eurofins TestAmerica, Houston

Definitions/Glossary

Client: ARCADIS U.S. Inc

Job ID: 600-203586-1

Project/Site: Chevron - Buckeye Compressor Station

Qualifiers

GC/MS VOA

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

GC VOA

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

GC Semi VOA

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

Glossary

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

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (50-134)	DBFM (62-130)	TOL (70-130)	BFB (67-139)
600-203586-1	MW-24-W-200407	76	106	115	98
600-203586-2	MW-20-W-200407	76	109	111	100
600-203586-3	MW-25-W-200407	76	110	113	101
600-203586-4	MW-12-W-200407	76	110	111	99
600-203586-5	TW-11-W-200407	75	107	113	98
600-203586-6	MW-16-W-200407	81	109	111	100
600-203586-7	MW-22-W-200408	78	107	113	97
600-203586-8	MW-17-W-200408	111	153 X	107	109
600-203586-8 - DL	MW-17-W-200408	71	104	107	99
600-203586-9	MW-15-W-200408	75	107	114	100
600-203586-9	MW-15-W-200408	64	92	112	110
LCS 600-292522/3	Lab Control Sample	71	105	109	103
LCS 600-292580/3	Lab Control Sample	71	106	109	103
LCS 600-292676/3	Lab Control Sample	71	100	112	107
LCSD 600-292522/4	Lab Control Sample Dup	74	111	108	102
LCSD 600-292580/4	Lab Control Sample Dup	71	105	107	102
LCSD 600-292676/4	Lab Control Sample Dup	70	98	110	107
MB 600-292522/6	Method Blank	74	106	113	99
MB 600-292580/6	Method Blank	74	106	107	101
MB 600-292676/6	Method Blank	66	96	111	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TFT1 (70-130)	
600-203586-1	MW-24-W-200407	102	
600-203586-2	MW-20-W-200407	102	
600-203586-3	MW-25-W-200407	102	
600-203586-4	MW-12-W-200407	102	
600-203586-5	TW-11-W-200407	102	
600-203586-6	MW-16-W-200407	102	
600-203586-7	MW-22-W-200408	102	
600-203586-8	MW-17-W-200408	103	
600-203586-9	MW-15-W-200408	102	
LCS 600-292659/5	Lab Control Sample	103	
LCS 600-292815/5	Lab Control Sample	104	
LCSD 600-292659/6	Lab Control Sample Dup	103	
LCSD 600-292815/6	Lab Control Sample Dup	103	
MB 600-292659/7	Method Blank	102	
MB 600-292815/7	Method Blank	103	

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Eurofins TestAmerica, Houston

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	OTPH1 (60-140)					
600-203586-1	MW-24-W-200407	96					
600-203586-2	MW-20-W-200407	90					
600-203586-3	MW-25-W-200407	98					
600-203586-4	MW-12-W-200407	92					
600-203586-5	TW-11-W-200407	86					
600-203586-6	MW-16-W-200407	100					
600-203586-7	MW-22-W-200408	119					
600-203586-8	MW-17-W-200408	98					
600-203586-9	MW-15-W-200408	100					
LCS 600-292494/2-A	Lab Control Sample	117					
LCSD 600-292494/3-A	Lab Control Sample Dup	104					
MB 600-292494/1-A	Method Blank	114					
Surrogate Legend							
OTPH = o-Terphenyl (Surr)							

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

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

Lab Sample ID: MB 600-292522/6

Matrix: Water

Analysis Batch: 292522

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/14/20 20:01	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/14/20 20:01	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/14/20 20:01	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/14/20 20:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	74		50 - 134		04/14/20 20:01	1
Dibromofluoromethane	106		62 - 130		04/14/20 20:01	1
Toluene-d8 (Surr)	113		70 - 130		04/14/20 20:01	1
4-Bromofluorobenzene	99		67 - 139		04/14/20 20:01	1

Lab Sample ID: LCS 600-292522/3

Matrix: Water

Analysis Batch: 292522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.0114		mg/L		114	70 - 130
Ethylbenzene	0.0100	0.0112		mg/L		112	70 - 130
Toluene	0.0100	0.0103		mg/L		103	70 - 130
Xylenes, Total	0.0200	0.0209		mg/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	71		50 - 134
Dibromofluoromethane	105		62 - 130
Toluene-d8 (Surr)	109		70 - 130
4-Bromofluorobenzene	103		67 - 139

Lab Sample ID: LCSD 600-292522/4

Matrix: Water

Analysis Batch: 292522

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0100	0.0120		mg/L		120	70 - 130	5	20
Ethylbenzene	0.0100	0.0108		mg/L		108	70 - 130	3	20
Toluene	0.0100	0.0102		mg/L		102	70 - 130	1	20
Xylenes, Total	0.0200	0.0204		mg/L		102	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	74		50 - 134
Dibromofluoromethane	111		62 - 130
Toluene-d8 (Surr)	108		70 - 130
4-Bromofluorobenzene	102		67 - 139

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

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

Lab Sample ID: MB 600-292580/6

Matrix: Water

Analysis Batch: 292580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/15/20 15:06	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/15/20 15:06	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/15/20 15:06	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/15/20 15:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	74		50 - 134		04/15/20 15:06	1
Dibromofluoromethane	106		62 - 130		04/15/20 15:06	1
Toluene-d8 (Surr)	107		70 - 130		04/15/20 15:06	1
4-Bromofluorobenzene	101		67 - 139		04/15/20 15:06	1

Lab Sample ID: LCS 600-292580/3

Matrix: Water

Analysis Batch: 292580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.0129		mg/L		129	70 - 130
Ethylbenzene	0.0100	0.0119		mg/L		119	70 - 130
Toluene	0.0100	0.0111		mg/L		111	70 - 130
Xylenes, Total	0.0200	0.0226		mg/L		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	71		50 - 134
Dibromofluoromethane	106		62 - 130
Toluene-d8 (Surr)	109		70 - 130
4-Bromofluorobenzene	103		67 - 139

Lab Sample ID: LCSD 600-292580/4

Matrix: Water

Analysis Batch: 292580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0100	0.0124		mg/L		124	70 - 130	4	20
Ethylbenzene	0.0100	0.0119		mg/L		119	70 - 130	0	20
Toluene	0.0100	0.0113		mg/L		113	70 - 130	1	20
Xylenes, Total	0.0200	0.0228		mg/L		114	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	71		50 - 134
Dibromofluoromethane	105		62 - 130
Toluene-d8 (Surr)	107		70 - 130
4-Bromofluorobenzene	102		67 - 139

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

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

Lab Sample ID: MB 600-292676/6

Matrix: Water

Analysis Batch: 292676

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/16/20 13:10	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/16/20 13:10	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/16/20 13:10	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/16/20 13:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	66		50 - 134		04/16/20 13:10	1
Dibromofluoromethane	96		62 - 130		04/16/20 13:10	1
Toluene-d8 (Surr)	111		70 - 130		04/16/20 13:10	1
4-Bromofluorobenzene	107		67 - 139		04/16/20 13:10	1

Lab Sample ID: LCS 600-292676/3

Matrix: Water

Analysis Batch: 292676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.0127		mg/L		127	70 - 130
Ethylbenzene	0.0100	0.0124		mg/L		124	70 - 130
Toluene	0.0100	0.0116		mg/L		116	70 - 130
Xylenes, Total	0.0200	0.0234		mg/L		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	71		50 - 134
Dibromofluoromethane	100		62 - 130
Toluene-d8 (Surr)	112		70 - 130
4-Bromofluorobenzene	107		67 - 139

Lab Sample ID: LCSD 600-292676/4

Matrix: Water

Analysis Batch: 292676

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0100	0.0125		mg/L		125	70 - 130	1	20
Ethylbenzene	0.0100	0.0122		mg/L		122	70 - 130	2	20
Toluene	0.0100	0.0115		mg/L		115	70 - 130	0	20
Xylenes, Total	0.0200	0.0229		mg/L		115	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	70		50 - 134
Dibromofluoromethane	98		62 - 130
Toluene-d8 (Surr)	110		70 - 130
4-Bromofluorobenzene	107		67 - 139

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 600-292659/7

Matrix: Water

Analysis Batch: 292659

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/16/20 10:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130					04/16/20 10:30	1

Lab Sample ID: LCS 600-292659/5

Matrix: Water

Analysis Batch: 292659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]	0.252	0.270		mg/L	-	107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
a,a,a-Trifluorotoluene	103		70 - 130						

Lab Sample ID: LCSD 600-292659/6

Matrix: Water

Analysis Batch: 292659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	0.252	0.286		mg/L	-	114	70 - 130	6	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	103		70 - 130						

Lab Sample ID: MB 600-292815/7

Matrix: Water

Analysis Batch: 292815

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/18/20 09:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130					04/18/20 09:44	1

Lab Sample ID: LCS 600-292815/5

Matrix: Water

Analysis Batch: 292815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]	0.252	0.281		mg/L	-	111	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
a,a,a-Trifluorotoluene	104		70 - 130						

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 600-292815/6

Matrix: Water

Analysis Batch: 292815

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	0.252	0.281		mg/L		112	70 - 130	0	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	103		70 - 130						

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 600-292494/1-A

Matrix: Water

Analysis Batch: 293251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292494

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.045	U	0.25	0.045	mg/L		04/14/20 09:33	04/24/20 15:33	1
Oil Range Organics (C28-C36)	0.15	U	0.25	0.15	mg/L		04/14/20 09:33	04/24/20 15:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl (Surr)	114		60 - 140	04/14/20 09:33	04/24/20 15:33	1			

Lab Sample ID: LCS 600-292494/2-A

Matrix: Water

Analysis Batch: 293251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 292494

			Spike	LCS	LCS					%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits			
Diesel Range Organics [C10-C28]			1.00	1.11		mg/L		110	70 - 130			
			LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits									
o-Terphenyl (Surr)	117		60 - 140									

Lab Sample ID: LCSD 600-292494/3-A

Matrix: Water

Analysis Batch: 293251

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 292494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1.00	0.933		mg/L		93	70 - 130	17	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl (Surr)	104		60 - 140						

Eurofins TestAmerica, Houston

Unadjusted Detection Limits

Client: ARCADIS U.S. Inc

Job ID: 600-203586-1

Project/Site: Chevron - Buckeye Compressor Station

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

Analyte	MQL	MDL	Units
Benzene	0.0010	0.00018	mg/L
Ethylbenzene	0.0010	0.00021	mg/L
Toluene	0.0010	0.00020	mg/L
Xylenes, Total	0.0020	0.00037	mg/L

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	MQL	MDL	Units
Gasoline Range Organics [C6 - C10]	0.050	0.023	mg/L

Method: 8015B - Diesel Range Organics (DRO) (GC)

Prep: 3510C

Analyte	MQL	MDL	Units
Diesel Range Organics [C10-C28]	0.25	0.045	mg/L
Oil Range Organics (C28-C36)	0.25	0.15	mg/L

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

GC/MS VOA

Analysis Batch: 292522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-1	MW-24-W-200407	Total/NA	Water	8260B	
600-203586-2	MW-20-W-200407	Total/NA	Water	8260B	
600-203586-3	MW-25-W-200407	Total/NA	Water	8260B	
600-203586-4	MW-12-W-200407	Total/NA	Water	8260B	
600-203586-5	TW-11-W-200407	Total/NA	Water	8260B	
600-203586-6	MW-16-W-200407	Total/NA	Water	8260B	
600-203586-7	MW-22-W-200408	Total/NA	Water	8260B	
600-203586-8	MW-17-W-200408	Total/NA	Water	8260B	
600-203586-9	MW-15-W-200408	Total/NA	Water	8260B	
MB 600-292522/6	Method Blank	Total/NA	Water	8260B	
LCS 600-292522/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-292522/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 292580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-8 - DL	MW-17-W-200408	Total/NA	Water	8260B	
MB 600-292580/6	Method Blank	Total/NA	Water	8260B	
LCS 600-292580/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-292580/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 292676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-9	MW-15-W-200408	Total/NA	Water	8260B	
MB 600-292676/6	Method Blank	Total/NA	Water	8260B	
LCS 600-292676/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-292676/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 292659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-1	MW-24-W-200407	Total/NA	Water	8015B	
600-203586-2	MW-20-W-200407	Total/NA	Water	8015B	
600-203586-3	MW-25-W-200407	Total/NA	Water	8015B	
600-203586-4	MW-12-W-200407	Total/NA	Water	8015B	
600-203586-5	TW-11-W-200407	Total/NA	Water	8015B	
600-203586-6	MW-16-W-200407	Total/NA	Water	8015B	
600-203586-7	MW-22-W-200408	Total/NA	Water	8015B	
MB 600-292659/7	Method Blank	Total/NA	Water	8015B	
LCS 600-292659/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 600-292659/6	Lab Control Sample Dup	Total/NA	Water	8015B	

Analysis Batch: 292815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-8	MW-17-W-200408	Total/NA	Water	8015B	
600-203586-9	MW-15-W-200408	Total/NA	Water	8015B	
MB 600-292815/7	Method Blank	Total/NA	Water	8015B	
LCS 600-292815/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 600-292815/6	Lab Control Sample Dup	Total/NA	Water	8015B	

Eurofins TestAmerica, Houston

QC Association Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203586-1

Project/Site: Chevron - Buckeye Compressor Station

GC Semi VOA

Prep Batch: 292494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-1	MW-24-W-200407	Total/NA	Water	3510C	
600-203586-2	MW-20-W-200407	Total/NA	Water	3510C	
600-203586-3	MW-25-W-200407	Total/NA	Water	3510C	
600-203586-4	MW-12-W-200407	Total/NA	Water	3510C	
600-203586-5	TW-11-W-200407	Total/NA	Water	3510C	
600-203586-6	MW-16-W-200407	Total/NA	Water	3510C	
600-203586-7	MW-22-W-200408	Total/NA	Water	3510C	
600-203586-8	MW-17-W-200408	Total/NA	Water	3510C	
600-203586-9	MW-15-W-200408	Total/NA	Water	3510C	
MB 600-292494/1-A	Method Blank	Total/NA	Water	3510C	
LCS 600-292494/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 600-292494/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 293251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203586-1	MW-24-W-200407	Total/NA	Water	8015B	292494
600-203586-2	MW-20-W-200407	Total/NA	Water	8015B	292494
600-203586-3	MW-25-W-200407	Total/NA	Water	8015B	292494
600-203586-4	MW-12-W-200407	Total/NA	Water	8015B	292494
600-203586-5	TW-11-W-200407	Total/NA	Water	8015B	292494
600-203586-6	MW-16-W-200407	Total/NA	Water	8015B	292494
600-203586-7	MW-22-W-200408	Total/NA	Water	8015B	292494
600-203586-8	MW-17-W-200408	Total/NA	Water	8015B	292494
600-203586-9	MW-15-W-200408	Total/NA	Water	8015B	292494
MB 600-292494/1-A	Method Blank	Total/NA	Water	8015B	292494
LCS 600-292494/2-A	Lab Control Sample	Total/NA	Water	8015B	292494
LCSD 600-292494/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	292494

Eurofins TestAmerica, Houston

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-24-W-200407

Lab Sample ID: 600-203586-1

Date Collected: 04/07/20 10:18

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 20:26	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 15:10	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 17:17	RJV	TAL HOU

Client Sample ID: MW-20-W-200407

Lab Sample ID: 600-203586-2

Date Collected: 04/07/20 11:34

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 20:51	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 15:33	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 17:51	RJV	TAL HOU

Client Sample ID: MW-25-W-200407

Lab Sample ID: 600-203586-3

Date Collected: 04/07/20 13:44

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 21:17	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 15:57	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 18:26	RJV	TAL HOU

Client Sample ID: MW-12-W-200407

Lab Sample ID: 600-203586-4

Date Collected: 04/07/20 14:00

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 21:42	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 16:20	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 19:00	RJV	TAL HOU

Client Sample ID: TW-11-W-200407

Lab Sample ID: 600-203586-5

Date Collected: 04/07/20 15:17

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 22:08	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 16:43	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 19:35	RJV	TAL HOU

Eurofins TestAmerica, Houston

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Client Sample ID: MW-16-W-200407

Lab Sample ID: 600-203586-6

Date Collected: 04/07/20 17:08

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 22:33	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 17:07	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 20:09	RJV	TAL HOU

Client Sample ID: MW-22-W-200408

Lab Sample ID: 600-203586-7

Date Collected: 04/08/20 08:29

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 22:58	RP	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 17:30	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 21:18	RJV	TAL HOU

Client Sample ID: MW-17-W-200408

Lab Sample ID: 600-203586-8

Date Collected: 04/08/20 11:20

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 23:24	RP	TAL HOU
Total/NA	Analysis	8260B	DL	500	292580	04/15/20 21:00	YX1	TAL HOU
Total/NA	Analysis	8015B		20	292815	04/18/20 10:08	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 21:52	RJV	TAL HOU

Client Sample ID: MW-15-W-200408

Lab Sample ID: 600-203586-9

Date Collected: 04/08/20 12:40

Matrix: Water

Date Received: 04/09/20 10:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292522	04/14/20 23:49	RP	TAL HOU
Total/NA	Analysis	8260B		1	292676	04/16/20 13:35	YX1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 10:31	WS1	TAL HOU
Total/NA	Prep	3510C			292494	04/14/20 09:33	MRA	TAL HOU
Total/NA	Analysis	8015B		1	293251	04/24/20 22:26	RJV	TAL HOU

Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Eurofins TestAmerica, Houston

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc

Project/Site: Chevron - Buckeye Compressor Station

Job ID: 600-203586-1

Laboratory: Eurofins TestAmerica, Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704223-19-25	10-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B	3510C	Water	Oil Range Organics (C28-C36)

5310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record



Environment Testing,
TestAmerica

Client Information			Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact:			Kudchadkar, Sachin G		600-76076-20514.1		Page:	
Company:			E-Mail:		600-76076-20514.1		Page:	
Address:			sachin.kudchadkar@testamericainc.com		Job #:		Job #:	
Due Date Requested:			Analysis Requested		Total Number of Containers		Preservation Codes:	
TAT Requested (days):			Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		A - HCL	
PO #:			82608_LL - BTEX Only		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]		B - NaOH	
WO #:			8015B_DRO ORO/ C10-C28/ C28-C36		300_ORGFM_28D - Chloride		C - Zn Acetate	
Project #:			82608_LL - BTEX Only		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]		D - Nitric Acid	
SSOW#:			8015B_DRO ORO/ C10-C28/ C28-C36		300_ORGFM_28D - Chloride		E - NaHSO4	
Sample Identification			Sample Date		Sample Time		F - MeOH	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		G - Amchlor	
Sample Date			Sample Time		Preservation Code:		H - Ascorbic Acid	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		I - Ice	
Sample Date			Sample Time		Preservation Code:		J - DI Water	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		K - EDTA	
Sample Date			Sample Time		Preservation Code:		L - EDA	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Other:	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	
Sample Date			Sample Time		Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix		Preservation Code:		Total Number of Containers	

Loc: 1300
203586

Eurofins TestAmerica Houston

Environment Testing
TestAmerica

Sample Receipt Checklist

20 APR 9 10:39

JOB NUMBER:

203586

Date/Time Received:

CLIENT:

Arcadis

UNPACKED BY:

CARRIER/DRIVER:

FedEx

Custody Seal Present:

☒ YES☐ NO

Number of Coolers Received:

3

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
9197	Y / N	Y / N	0.9	U78	-0.1	0.8
9212	Y / N	Y / N	3.1	↓	↓	↓
9201	Y / N	Y / N	0.8	↓	↓	↓
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice?

☒ YES☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED:

☐ NO☐ YESBase samples are > pH 12: ☐ YES ☐ NOAcid preserved are < pH 2: ☐ YES ☐ NOTX1005 samples frozen upon receipt: ☐ YES

DATE & TIME PUT IN FREEZER: _____

pH paper Lot # _____

VOA headspace acceptable (5-6mm): ☐ YES ☐ NO ☐ NA

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?

☐ YES☐ NO

COMMENTS:

CS #1293021

HS-SA-WI-013

Rev. 4A; 08/26/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 600-203586-1

Login Number: 203586

List Source: Eurofins TestAmerica, Houston

List Number: 1

Creator: Upton, Cathy L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8,3.0,0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.



Environment Testing
TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

Laboratory Job ID: 600-203723-1

Client Project/Site: Chevron -Buckeye Compressor Station 4/10

For:

ARCADIS U.S. Inc
10205 Westheimer Rd
Suite 800
Houston, Texas 77042

Attn: Douglas Jordan

Authorized for release by:
4/30/2020 3:19:52 PM

Sachin Kudchadkar, Senior Project Manager
(713)690-4444
sachin.kudchadkar@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



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www.testamericainc.com

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

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

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

Client: ARCADIS U.S. Inc
Project/Site: Chevron -Buckeye Compressor Station 4/10

Laboratory Job ID: 600-203723-1

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Method Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8015B	Gasoline Range Organics - (GC)	SW846	TAL HOU
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL HOU
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL HOU
5030B	Purge and Trap	SW846	TAL HOU

Protocol References:

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

Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
600-203723-1	MW-5-W-200409	Water	04/09/20 08:12	04/11/20 10:28	
600-203723-2	MW-4-W-200409	Water	04/09/20 09:44	04/11/20 10:28	
600-203723-3	MW-14-W-200409	Water	04/09/20 11:12	04/11/20 10:28	
600-203723-4	MW-18-W-200409	Water	04/09/20 12:23	04/11/20 10:28	
600-203723-5	TW-13-W-200409	Water	04/09/20 13:50	04/11/20 10:28	
600-203723-6	MW-13-W-200409	Water	04/09/20 15:02	04/11/20 10:28	
600-203723-7	MW-26-W-200409	Water	04/09/20 16:13	04/11/20 10:28	
600-203723-8	MW-7-W-200409	Water	04/09/20 17:23	04/11/20 10:28	
600-203723-9	MW-6-W-200409	Water	04/09/20 18:36	04/11/20 10:28	
600-203723-10	DUP-1-W-200409	Water	04/09/20 00:00	04/11/20 10:28	
600-203723-11	MW-2-W-200410	Water	04/10/20 09:05	04/11/20 10:28	
600-203723-12	MW-1-W-200410	Water	04/10/20 10:34	04/11/20 10:28	
600-203723-13	MW-23-W-200410	Water	04/10/20 12:19	04/11/20 10:28	
600-203723-14	MW-10-W-200410	Water	04/10/20 13:19	04/11/20 10:28	

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-5-W-200409

Lab Sample ID: 600-203723-1

Date Collected: 04/09/20 08:12

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L	-		04/21/20 13:34	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L	-		04/21/20 13:34	1
Toluene	0.00020	U	0.0010	0.00020	mg/L	-		04/21/20 13:34	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L	-		04/21/20 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		50 - 134		04/21/20 13:34	1
Dibromofluoromethane	84		62 - 130		04/21/20 13:34	1
Toluene-d8 (Surr)	95		70 - 130		04/21/20 13:34	1
4-Bromofluorobenzene	90		67 - 139		04/21/20 13:34	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.036	J	0.050	0.023	mg/L	-		04/18/20 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130		04/18/20 14:24	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.048	U	0.27	0.048	mg/L	-	04/16/20 14:33	04/29/20 12:50	1
Oil Range Organics (C28-C36)	0.16	U	0.27	0.16	mg/L	-	04/16/20 14:33	04/29/20 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	86		60 - 140	04/16/20 14:33	04/29/20 12:50	1

Client Sample ID: MW-4-W-200409

Lab Sample ID: 600-203723-2

Date Collected: 04/09/20 09:44

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.017		0.010	0.0021	mg/L	-		04/22/20 13:38	10
Toluene	0.0048	J	0.010	0.0020	mg/L	-		04/22/20 13:38	10
Xylenes, Total	0.0056	J	0.020	0.0037	mg/L	-		04/22/20 13:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134		04/22/20 13:38	10
Dibromofluoromethane	80		62 - 130		04/22/20 13:38	10
Toluene-d8 (Surr)	97		70 - 130		04/22/20 13:38	10
4-Bromofluorobenzene	90		67 - 139		04/22/20 13:38	10

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.4		0.20	0.035	mg/L	-		04/22/20 14:02	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	74		50 - 134		04/22/20 14:02	200
Dibromofluoromethane	80		62 - 130		04/22/20 14:02	200
Toluene-d8 (Surr)	94		70 - 130		04/22/20 14:02	200
4-Bromofluorobenzene	89		67 - 139		04/22/20 14:02	200

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-4-W-200409

Lab Sample ID: 600-203723-2

Date Collected: 04/09/20 09:44

Matrix: Water

Date Received: 04/11/20 10:28

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	13		1.0	0.46	mg/L	-		04/18/20 14:48	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130					04/18/20 14:48	20

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.055	J	0.26	0.047	mg/L	-	04/16/20 14:33	04/29/20 12:16	1
Oil Range Organics (C28-C36)	0.16	U	0.26	0.16	mg/L	-	04/16/20 14:33	04/29/20 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	70		60 - 140				04/16/20 14:33	04/29/20 12:16	1

Client Sample ID: MW-14-W-200409

Lab Sample ID: 600-203723-3

Date Collected: 04/09/20 11:12

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L	-		04/22/20 13:14	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L	-		04/22/20 13:14	1
Toluene	0.00020	U	0.0010	0.00020	mg/L	-		04/22/20 13:14	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L	-		04/22/20 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	73		50 - 134					04/22/20 13:14	1
Dibromofluoromethane	80		62 - 130					04/22/20 13:14	1
Toluene-d8 (Surr)	96		70 - 130					04/22/20 13:14	1
4-Bromofluorobenzene	87		67 - 139					04/22/20 13:14	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.064		0.050	0.023	mg/L	-		04/21/20 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		70 - 130					04/21/20 10:45	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.24	J	0.26	0.047	mg/L	-	04/16/20 14:33	04/29/20 13:23	1
Oil Range Organics (C28-C36)	0.16	U	0.26	0.16	mg/L	-	04/16/20 14:33	04/29/20 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	78		60 - 140				04/16/20 14:33	04/29/20 13:23	1

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Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-18-W-200409

Lab Sample ID: 600-203723-4

Date Collected: 04/09/20 12:23

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/21/20 14:46	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 14:46	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 14:46	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		50 - 134		04/21/20 14:46	1
Dibromofluoromethane	86		62 - 130		04/21/20 14:46	1
Toluene-d8 (Surr)	94		70 - 130		04/21/20 14:46	1
4-Bromofluorobenzene	92		67 - 139		04/21/20 14:46	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/18/20 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/18/20 15:11	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.13	J	0.27	0.048	mg/L		04/16/20 14:33	04/29/20 14:21	1
Oil Range Organics (C28-C36)	0.16	U	0.27	0.16	mg/L		04/16/20 14:33	04/29/20 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	67		60 - 140	04/16/20 14:33	04/29/20 14:21	1

Client Sample ID: TW-13-W-200409

Lab Sample ID: 600-203723-5

Date Collected: 04/09/20 13:50

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/21/20 15:11	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 15:11	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 15:11	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		50 - 134		04/21/20 15:11	1
Dibromofluoromethane	85		62 - 130		04/21/20 15:11	1
Toluene-d8 (Surr)	94		70 - 130		04/21/20 15:11	1
4-Bromofluorobenzene	90		67 - 139		04/21/20 15:11	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.026	J	0.050	0.023	mg/L			04/18/20 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130		04/18/20 12:28	1

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Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: TW-13-W-200409

Lab Sample ID: 600-203723-5

Date Collected: 04/09/20 13:50

Matrix: Water

Date Received: 04/11/20 10:28

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.047	U	0.26	0.047	mg/L		04/16/20 14:33	04/29/20 15:24	1
Oil Range Organics (C28-C36)	0.16	U	0.26	0.16	mg/L		04/16/20 14:33	04/29/20 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	89		60 - 140				04/16/20 14:33	04/29/20 15:24	1

Client Sample ID: MW-13-W-200409

Lab Sample ID: 600-203723-6

Date Collected: 04/09/20 15:02

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/21/20 15:35	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 15:35	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 15:35	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>1,2</i> -Dichloroethane-d4 (Surr)	79		50 - 134					04/21/20 15:35	1
<i>Dibromofluoromethane</i>	85		62 - 130					04/21/20 15:35	1
<i>Toluene</i> -d8 (Surr)	94		70 - 130					04/21/20 15:35	1
<i>4</i> -Bromofluorobenzene	90		67 - 139					04/21/20 15:35	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/18/20 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>a,a,a</i> -Trifluorotoluene	102		70 - 130					04/18/20 12:51	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.046	U	0.26	0.046	mg/L		04/16/20 14:33	04/29/20 15:58	1
Oil Range Organics (C28-C36)	0.15	U	0.26	0.15	mg/L		04/16/20 14:33	04/29/20 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	91		60 - 140				04/16/20 14:33	04/29/20 15:58	1

Client Sample ID: MW-26-W-200409

Lab Sample ID: 600-203723-7

Date Collected: 04/09/20 16:13

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00045	J	0.0010	0.00018	mg/L			04/21/20 15:59	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 15:59	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 15:59	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>1,2</i> -Dichloroethane-d4 (Surr)	80		50 - 134					04/21/20 15:59	1
<i>Dibromofluoromethane</i>	85		62 - 130					04/21/20 15:59	1

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Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-26-W-200409

Lab Sample ID: 600-203723-7

Date Collected: 04/09/20 16:13

Matrix: Water

Date Received: 04/11/20 10:28

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		70 - 130		04/21/20 15:59	1
4-Bromofluorobenzene	89		67 - 139		04/21/20 15:59	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/18/20 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130		04/18/20 13:15	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.048	U	0.27	0.048	mg/L		04/16/20 14:33	04/29/20 16:32	1
Oil Range Organics (C28-C36)	0.16	U	0.27	0.16	mg/L		04/16/20 14:33	04/29/20 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	82		60 - 140	04/16/20 14:33	04/29/20 16:32	1

Client Sample ID: MW-7-W-200409

Lab Sample ID: 600-203723-8

Date Collected: 04/09/20 17:23

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/21/20 16:23	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 16:23	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 16:23	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		50 - 134		04/21/20 16:23	1
Dibromofluoromethane	83		62 - 130		04/21/20 16:23	1
Toluene-d8 (Surr)	93		70 - 130		04/21/20 16:23	1
4-Bromofluorobenzene	90		67 - 139		04/21/20 16:23	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L			04/18/20 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130		04/18/20 13:38	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.046	U	0.26	0.046	mg/L		04/16/20 14:33	04/29/20 17:39	1
Oil Range Organics (C28-C36)	0.15	U	0.26	0.15	mg/L		04/16/20 14:33	04/29/20 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	75		60 - 140	04/16/20 14:33	04/29/20 17:39	1

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Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-6-W-200409

Lab Sample ID: 600-203723-9

Date Collected: 04/09/20 18:36

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0073		0.0010	0.00018	mg/L			04/21/20 16:47	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 16:47	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 16:47	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134		04/21/20 16:47	1
Dibromofluoromethane	82		62 - 130		04/21/20 16:47	1
Toluene-d8 (Surr)	95		70 - 130		04/21/20 16:47	1
4-Bromofluorobenzene	90		67 - 139		04/21/20 16:47	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.064		0.050	0.023	mg/L			04/18/20 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130		04/18/20 15:58	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.046	U	0.26	0.046	mg/L		04/16/20 14:33	04/29/20 18:13	1
Oil Range Organics (C28-C36)	0.15	U	0.26	0.15	mg/L		04/16/20 14:33	04/29/20 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	71		60 - 140	04/16/20 14:33	04/29/20 18:13	1

Client Sample ID: DUP-1-W-200409

Lab Sample ID: 600-203723-10

Date Collected: 04/09/20 00:00

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.016		0.010	0.0021	mg/L			04/22/20 14:26	10
Toluene	0.0045	J	0.010	0.0020	mg/L			04/22/20 14:26	10
Xylenes, Total	0.0037	U	0.020	0.0037	mg/L			04/22/20 14:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	77		50 - 134		04/22/20 14:26	10
Dibromofluoromethane	80		62 - 130		04/22/20 14:26	10
Toluene-d8 (Surr)	98		70 - 130		04/22/20 14:26	10
4-Bromofluorobenzene	90		67 - 139		04/22/20 14:26	10

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.2		0.20	0.035	mg/L			04/22/20 14:50	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		50 - 134		04/22/20 14:50	200
Dibromofluoromethane	81		62 - 130		04/22/20 14:50	200
Toluene-d8 (Surr)	94		70 - 130		04/22/20 14:50	200
4-Bromofluorobenzene	90		67 - 139		04/22/20 14:50	200

Eurofins TestAmerica, Houston

Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: DUP-1-W-200409

Lab Sample ID: 600-203723-10

Date Collected: 04/09/20 00:00

Matrix: Water

Date Received: 04/11/20 10:28

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	12		1.0	0.46	mg/L	-		04/21/20 11:32	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	96		70 - 130					04/21/20 11:32	20

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.055	J	0.26	0.047	mg/L	-	04/16/20 14:33	04/29/20 18:46	1
Oil Range Organics (C28-C36)	0.16	U	0.26	0.16	mg/L	-	04/16/20 14:33	04/29/20 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	83		60 - 140				04/16/20 14:33	04/29/20 18:46	1

Client Sample ID: MW-2-W-200410

Lab Sample ID: 600-203723-11

Date Collected: 04/10/20 09:05

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0051		0.0010	0.00018	mg/L	-		04/22/20 16:03	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L	-		04/22/20 16:03	1
Toluene	0.00020	U	0.0010	0.00020	mg/L	-		04/22/20 16:03	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L	-		04/22/20 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		50 - 134					04/22/20 16:03	1
Dibromofluoromethane	82		62 - 130					04/22/20 16:03	1
Toluene-d8 (Surr)	96		70 - 130					04/22/20 16:03	1
4-Bromofluorobenzene	90		67 - 139					04/22/20 16:03	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.035	J	0.050	0.023	mg/L	-		04/21/20 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	95		70 - 130					04/21/20 11:08	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.045	U	0.25	0.045	mg/L	-	04/16/20 14:33	04/29/20 19:20	1
Oil Range Organics (C28-C36)	0.15	U	0.25	0.15	mg/L	-	04/16/20 14:33	04/29/20 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	78		60 - 140				04/16/20 14:33	04/29/20 19:20	1

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Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-1-W-200410

Lab Sample ID: 600-203723-12

Date Collected: 04/10/20 10:34

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/22/20 16:27	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/22/20 16:27	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/22/20 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134					04/22/20 16:27	1
Dibromofluoromethane	78		62 - 130					04/22/20 16:27	1
Toluene-d8 (Surr)	95		70 - 130					04/22/20 16:27	1
4-Bromofluorobenzene	88		67 - 139					04/22/20 16:27	1

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45		0.020	0.0035	mg/L			04/23/20 08:28	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		50 - 134					04/23/20 08:28	20
Dibromofluoromethane	79		62 - 130					04/23/20 08:28	20
Toluene-d8 (Surr)	94		70 - 130					04/23/20 08:28	20
4-Bromofluorobenzene	91		67 - 139					04/23/20 08:28	20

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	1.6		0.25	0.12	mg/L			04/21/20 11:55	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		70 - 130					04/21/20 11:55	5

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.091	J	0.25	0.045	mg/L		04/16/20 14:33	04/29/20 19:53	1
Oil Range Organics (C28-C36)	0.32		0.25	0.15	mg/L		04/16/20 14:33	04/29/20 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	78		60 - 140				04/16/20 14:33	04/29/20 19:53	1

Client Sample ID: MW-23-W-200410

Lab Sample ID: 600-203723-13

Date Collected: 04/10/20 12:19

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00033	J	0.0010	0.00018	mg/L			04/22/20 16:51	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/22/20 16:51	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/22/20 16:51	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/22/20 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		50 - 134					04/22/20 16:51	1
Dibromofluoromethane	85		62 - 130					04/22/20 16:51	1
Toluene-d8 (Surr)	93		70 - 130					04/22/20 16:51	1
4-Bromofluorobenzene	87		67 - 139					04/22/20 16:51	1

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Client Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Client Sample ID: MW-23-W-200410

Lab Sample ID: 600-203723-13

Date Collected: 04/10/20 12:19

Matrix: Water

Date Received: 04/11/20 10:28

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/18/20 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130					04/18/20 17:31	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.047	U	0.26	0.047	mg/L	-	04/16/20 14:33	04/29/20 20:26	1
Oil Range Organics (C28-C36)	0.16	U	0.26	0.16	mg/L	-	04/16/20 14:33	04/29/20 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	89		60 - 140				04/16/20 14:33	04/29/20 20:26	1

Client Sample ID: MW-10-W-200410

Lab Sample ID: 600-203723-14

Date Collected: 04/10/20 13:19

Matrix: Water

Date Received: 04/11/20 10:28

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L	-		04/22/20 17:16	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L	-		04/22/20 17:16	1
Toluene	0.00020	U	0.0010	0.00020	mg/L	-		04/22/20 17:16	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L	-		04/22/20 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		50 - 134					04/22/20 17:16	1
Dibromofluoromethane	85		62 - 130					04/22/20 17:16	1
Toluene-d8 (Surr)	93		70 - 130					04/22/20 17:16	1
4-Bromofluorobenzene	86		67 - 139					04/22/20 17:16	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/16/20 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130					04/16/20 18:41	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.045	U	0.25	0.045	mg/L	-	04/16/20 14:33	04/29/20 21:00	1
Oil Range Organics (C28-C36)	0.15	U	0.25	0.15	mg/L	-	04/16/20 14:33	04/29/20 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	90		60 - 140				04/16/20 14:33	04/29/20 21:00	1

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Definitions/Glossary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Qualifiers

GC/MS VOA

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

GC VOA

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

GC Semi VOA

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

Glossary

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

Surrogate Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (50-134)	DBFM (62-130)	TOL (70-130)	BFB (67-139)
600-203723-1	MW-5-W-200409	78	84	95	90
600-203723-2	MW-4-W-200409	76	80	97	90
600-203723-2 - DL	MW-4-W-200409	74	80	94	89
600-203723-3	MW-14-W-200409	73	80	96	87
600-203723-4	MW-18-W-200409	81	86	94	92
600-203723-5	TW-13-W-200409	80	85	94	90
600-203723-6	MW-13-W-200409	79	85	94	90
600-203723-7	MW-26-W-200409	80	85	94	89
600-203723-8	MW-7-W-200409	79	83	93	90
600-203723-9	MW-6-W-200409	76	82	95	90
600-203723-10	DUP-1-W-200409	77	80	98	90
600-203723-10 - DL	DUP-1-W-200409	75	81	94	90
600-203723-11	MW-2-W-200410	75	82	96	90
600-203723-12	MW-1-W-200410	76	78	95	88
600-203723-12 - DL	MW-1-W-200410	78	79	94	91
600-203723-13	MW-23-W-200410	81	85	93	87
600-203723-14	MW-10-W-200410	79	85	93	86
LCS 600-292885/4	Lab Control Sample	76	82	98	89
LCS 600-293007/3	Lab Control Sample	79	83	101	89
LCS 600-293078/3	Lab Control Sample	94	100	104	98
LCSD 600-292885/5	Lab Control Sample Dup	80	84	96	90
LCSD 600-293007/4	Lab Control Sample Dup	82	84	98	89
LCSD 600-293078/4	Lab Control Sample Dup	93	100	103	96
MB 600-292885/13	Method Blank	78	81	92	88
MB 600-293007/6	Method Blank	80	86	94	90
MB 600-293078/6	Method Blank	76	81	92	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TFT1 (70-130)			
600-203723-1	MW-5-W-200409	103			
600-203723-2	MW-4-W-200409	102			
600-203723-3	MW-14-W-200409	88			
600-203723-4	MW-18-W-200409	102			
600-203723-5	TW-13-W-200409	103			
600-203723-6	MW-13-W-200409	102			
600-203723-7	MW-26-W-200409	102			
600-203723-8	MW-7-W-200409	103			
600-203723-9	MW-6-W-200409	103			
600-203723-10	DUP-1-W-200409	96			
600-203723-11	MW-2-W-200410	95			

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Surrogate Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TFT1 (70-130)
600-203723-12	MW-1-W-200410	99
600-203723-13	MW-23-W-200410	103
600-203723-14	MW-10-W-200410	103
LCS 600-292659/5	Lab Control Sample	103
LCS 600-292815/5	Lab Control Sample	104
LCS 600-292887/5	Lab Control Sample	100
LCSD 600-292659/6	Lab Control Sample Dup	103
LCSD 600-292815/6	Lab Control Sample Dup	103
LCSD 600-292887/6	Lab Control Sample Dup	100
MB 600-292659/7	Method Blank	102
MB 600-292815/7	Method Blank	103
MB 600-292887/7	Method Blank	98
Surrogate Legend		
TFT = a,a,a-Trifluorotoluene		

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTPH1 (60-140)
600-203723-1	MW-5-W-200409	86
600-203723-2	MW-4-W-200409	70
600-203723-3	MW-14-W-200409	78
600-203723-4	MW-18-W-200409	67
600-203723-5	TW-13-W-200409	89
600-203723-6	MW-13-W-200409	91
600-203723-7	MW-26-W-200409	82
600-203723-8	MW-7-W-200409	75
600-203723-9	MW-6-W-200409	71
600-203723-10	DUP-1-W-200409	83
600-203723-11	MW-2-W-200410	78
600-203723-12	MW-1-W-200410	78
600-203723-13	MW-23-W-200410	89
600-203723-14	MW-10-W-200410	90
LCS 600-292707/2-A	Lab Control Sample	99
LCSD 600-292707/3-A	Lab Control Sample Dup	106
MB 600-292707/1-A	Method Blank	92
Surrogate Legend		
OTPH = o-Terphenyl (Surr)		

QC Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

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

Lab Sample ID: MB 600-292885/13

Matrix: Water

Analysis Batch: 292885

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/21/20 11:58	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/21/20 11:58	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/21/20 11:58	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/21/20 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		50 - 134		04/21/20 11:58	1
Dibromofluoromethane	81		62 - 130		04/21/20 11:58	1
Toluene-d8 (Surr)	92		70 - 130		04/21/20 11:58	1
4-Bromofluorobenzene	88		67 - 139		04/21/20 11:58	1

Lab Sample ID: LCS 600-292885/4

Matrix: Water

Analysis Batch: 292885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.0100		mg/L		100	70 - 130
Ethylbenzene	0.0100	0.0125		mg/L		125	70 - 130
Toluene	0.0100	0.0125		mg/L		125	70 - 130
Xylenes, Total	0.0200	0.0248		mg/L		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	76		50 - 134
Dibromofluoromethane	82		62 - 130
Toluene-d8 (Surr)	98		70 - 130
4-Bromofluorobenzene	89		67 - 139

Lab Sample ID: LCSD 600-292885/5

Matrix: Water

Analysis Batch: 292885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0100	0.00951		mg/L		95	70 - 130	5	20
Ethylbenzene	0.0100	0.0118		mg/L		118	70 - 130	6	20
Toluene	0.0100	0.0118		mg/L		118	70 - 130	5	20
Xylenes, Total	0.0200	0.0234		mg/L		117	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	80		50 - 134
Dibromofluoromethane	84		62 - 130
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene	90		67 - 139

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

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

Lab Sample ID: MB 600-293007/6

Matrix: Water

Analysis Batch: 293007

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/22/20 12:49	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/22/20 12:49	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/22/20 12:49	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/22/20 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		50 - 134		04/22/20 12:49	1
Dibromofluoromethane	86		62 - 130		04/22/20 12:49	1
Toluene-d8 (Surr)	94		70 - 130		04/22/20 12:49	1
4-Bromofluorobenzene	90		67 - 139		04/22/20 12:49	1

Lab Sample ID: LCS 600-293007/3

Matrix: Water

Analysis Batch: 293007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.00866		mg/L		87	70 - 130
Ethylbenzene	0.0100	0.0119		mg/L		119	70 - 130
Toluene	0.0100	0.0117		mg/L		117	70 - 130
Xylenes, Total	0.0200	0.0239		mg/L		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	79		50 - 134
Dibromofluoromethane	83		62 - 130
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene	89		67 - 139

Lab Sample ID: LCSD 600-293007/4

Matrix: Water

Analysis Batch: 293007

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0100	0.00846		mg/L		85	70 - 130	2	20
Ethylbenzene	0.0100	0.0114		mg/L		114	70 - 130	4	20
Toluene	0.0100	0.0112		mg/L		112	70 - 130	5	20
Xylenes, Total	0.0200	0.0226		mg/L		113	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		50 - 134
Dibromofluoromethane	84		62 - 130
Toluene-d8 (Surr)	98		70 - 130
4-Bromofluorobenzene	89		67 - 139

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

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

Lab Sample ID: MB 600-293078/6

Matrix: Water

Analysis Batch: 293078

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00018	U	0.0010	0.00018	mg/L			04/23/20 08:04	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/L			04/23/20 08:04	1
Toluene	0.00020	U	0.0010	0.00020	mg/L			04/23/20 08:04	1
Xylenes, Total	0.00037	U	0.0020	0.00037	mg/L			04/23/20 08:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		50 - 134		04/23/20 08:04	1
Dibromofluoromethane	81		62 - 130		04/23/20 08:04	1
Toluene-d8 (Surr)	92		70 - 130		04/23/20 08:04	1
4-Bromofluorobenzene	90		67 - 139		04/23/20 08:04	1

Lab Sample ID: LCS 600-293078/3

Matrix: Water

Analysis Batch: 293078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.00976		mg/L		98	70 - 130
Ethylbenzene	0.0100	0.0106		mg/L		106	70 - 130
Toluene	0.0100	0.0106		mg/L		106	70 - 130
Xylenes, Total	0.0200	0.0210		mg/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		50 - 134
Dibromofluoromethane	100		62 - 130
Toluene-d8 (Surr)	104		70 - 130
4-Bromofluorobenzene	98		67 - 139

Lab Sample ID: LCSD 600-293078/4

Matrix: Water

Analysis Batch: 293078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0100	0.00953		mg/L		95	70 - 130	2	20
Ethylbenzene	0.0100	0.0104		mg/L		104	70 - 130	2	20
Toluene	0.0100	0.0107		mg/L		107	70 - 130	1	20
Xylenes, Total	0.0200	0.0208		mg/L		104	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		50 - 134
Dibromofluoromethane	100		62 - 130
Toluene-d8 (Surr)	103		70 - 130
4-Bromofluorobenzene	96		67 - 139

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 600-292659/7

Matrix: Water

Analysis Batch: 292659

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/16/20 10:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		70 - 130					04/16/20 10:30	1

Lab Sample ID: LCS 600-292659/5

Matrix: Water

Analysis Batch: 292659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics [C6 - C10]			0.252	0.270		mg/L	-	107	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
a,a,a-Trifluorotoluene	103		70 - 130							

Lab Sample ID: LCSD 600-292659/6

Matrix: Water

Analysis Batch: 292659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]			0.252	0.286		mg/L	-	114	70 - 130	6	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
a,a,a-Trifluorotoluene	103		70 - 130								

Lab Sample ID: MB 600-292815/7

Matrix: Water

Analysis Batch: 292815

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/18/20 09:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		70 - 130					04/18/20 09:44	1

Lab Sample ID: LCS 600-292815/5

Matrix: Water

Analysis Batch: 292815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics [C6 - C10]			0.252	0.281		mg/L	-	111	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
a,a,a-Trifluorotoluene	104		70 - 130							

Eurofins TestAmerica, Houston

QC Sample Results

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 600-292815/6

Matrix: Water

Analysis Batch: 292815

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	0.252	0.281		mg/L	-	112	70 - 130	0	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	103		70 - 130						

Lab Sample ID: MB 600-292887/7

Matrix: Water

Analysis Batch: 292887

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.023	U	0.050	0.023	mg/L	-		04/21/20 07:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
a,a,a-Trifluorotoluene	98		70 - 130						

Lab Sample ID: LCS 600-292887/5

Matrix: Water

Analysis Batch: 292887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS	%Rec.					
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics [C6 - C10]			0.252	0.285		mg/L	-	113	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
a,a,a-Trifluorotoluene	100		70 - 130								

Lab Sample ID: LCSD 600-292887/6

Matrix: Water

Analysis Batch: 292887

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	0.252	0.286		mg/L	-	114	70 - 130	0	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene	100		70 - 130						

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 600-292707/1-A

Matrix: Water

Analysis Batch: 293469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292707

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.045	U	0.25	0.045	mg/L	-	04/16/20 14:33	04/29/20 09:37	1
Oil Range Organics (C28-C36)	0.15	U	0.25	0.15	mg/L	-	04/16/20 14:33	04/29/20 09:37	1

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QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron -Buckeye Compressor Station 4/10

Job ID: 600-203723-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 600-292707/1-A

Matrix: Water

Analysis Batch: 293469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 292707

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	92		60 - 140	04/16/20 14:33	04/29/20 09:37	1

Lab Sample ID: LCS 600-292707/2-A

Matrix: Water

Analysis Batch: 293469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 292707

Analyte				Spike	LCS	LCS				
				Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]				0.501	0.508		mg/L		102	70 - 130
Surrogate	LCS		LCS							
	%Recovery	Qualifier	Limits							
<i>o</i> -Terphenyl (Surr)	99		60 - 140							

Lab Sample ID: LCSD 600-292707/3-A

Matrix: Water

Analysis Batch: 293469

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 292707

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Diesel Range Organics [C10-C28]			0.501	0.569		mg/L		114	70 - 130	11	30
Surrogate	LCSD	LCSD									
o-Terphenyl (Surr)	%Recovery	Qualifier	Limits								
	106		60 - 140								

Eurofins TestAmerica, Houston

Unadjusted Detection Limits

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

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

Analyte	MQL	MDL	Units
Benzene	0.0010	0.00018	mg/L
Ethylbenzene	0.0010	0.00021	mg/L
Toluene	0.0010	0.00020	mg/L
Xylenes, Total	0.0020	0.00037	mg/L

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	MQL	MDL	Units
Gasoline Range Organics [C6 - C10]	0.050	0.023	mg/L

Method: 8015B - Diesel Range Organics (DRO) (GC)

Prep: 3510C

Analyte	MQL	MDL	Units
Diesel Range Organics [C10-C28]	0.25	0.045	mg/L
Oil Range Organics (C28-C36)	0.25	0.15	mg/L

QC Association Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

GC/MS VOA

Analysis Batch: 292885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-1	MW-5-W-200409	Total/NA	Water	8260B	
600-203723-4	MW-18-W-200409	Total/NA	Water	8260B	
600-203723-5	TW-13-W-200409	Total/NA	Water	8260B	
600-203723-6	MW-13-W-200409	Total/NA	Water	8260B	
600-203723-7	MW-26-W-200409	Total/NA	Water	8260B	
600-203723-8	MW-7-W-200409	Total/NA	Water	8260B	
600-203723-9	MW-6-W-200409	Total/NA	Water	8260B	
MB 600-292885/13	Method Blank	Total/NA	Water	8260B	
LCS 600-292885/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-292885/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 293007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-2	MW-4-W-200409	Total/NA	Water	8260B	
600-203723-2 - DL	MW-4-W-200409	Total/NA	Water	8260B	
600-203723-3	MW-14-W-200409	Total/NA	Water	8260B	
600-203723-10	DUP-1-W-200409	Total/NA	Water	8260B	
600-203723-10 - DL	DUP-1-W-200409	Total/NA	Water	8260B	
600-203723-11	MW-2-W-200410	Total/NA	Water	8260B	
600-203723-12	MW-1-W-200410	Total/NA	Water	8260B	
600-203723-13	MW-23-W-200410	Total/NA	Water	8260B	
600-203723-14	MW-10-W-200410	Total/NA	Water	8260B	
MB 600-293007/6	Method Blank	Total/NA	Water	8260B	
LCS 600-293007/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-293007/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 293078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-12 - DL	MW-1-W-200410	Total/NA	Water	8260B	
MB 600-293078/6	Method Blank	Total/NA	Water	8260B	
LCS 600-293078/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-293078/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 292659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-14	MW-10-W-200410	Total/NA	Water	8015B	
MB 600-292659/7	Method Blank	Total/NA	Water	8015B	
LCS 600-292659/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 600-292659/6	Lab Control Sample Dup	Total/NA	Water	8015B	

Analysis Batch: 292815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-1	MW-5-W-200409	Total/NA	Water	8015B	
600-203723-2	MW-4-W-200409	Total/NA	Water	8015B	
600-203723-4	MW-18-W-200409	Total/NA	Water	8015B	
600-203723-5	TW-13-W-200409	Total/NA	Water	8015B	
600-203723-6	MW-13-W-200409	Total/NA	Water	8015B	
600-203723-7	MW-26-W-200409	Total/NA	Water	8015B	
600-203723-8	MW-7-W-200409	Total/NA	Water	8015B	

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QC Association Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

GC VOA (Continued)

Analysis Batch: 292815 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-9	MW-6-W-200409	Total/NA	Water	8015B	
600-203723-13	MW-23-W-200410	Total/NA	Water	8015B	
MB 600-292815/7	Method Blank	Total/NA	Water	8015B	
LCS 600-292815/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 600-292815/6	Lab Control Sample Dup	Total/NA	Water	8015B	

Analysis Batch: 292887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-3	MW-14-W-200409	Total/NA	Water	8015B	
600-203723-10	DUP-1-W-200409	Total/NA	Water	8015B	
600-203723-11	MW-2-W-200410	Total/NA	Water	8015B	
600-203723-12	MW-1-W-200410	Total/NA	Water	8015B	
MB 600-292887/7	Method Blank	Total/NA	Water	8015B	
LCS 600-292887/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 600-292887/6	Lab Control Sample Dup	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 292707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-1	MW-5-W-200409	Total/NA	Water	3510C	
600-203723-2	MW-4-W-200409	Total/NA	Water	3510C	
600-203723-3	MW-14-W-200409	Total/NA	Water	3510C	
600-203723-4	MW-18-W-200409	Total/NA	Water	3510C	
600-203723-5	TW-13-W-200409	Total/NA	Water	3510C	
600-203723-6	MW-13-W-200409	Total/NA	Water	3510C	
600-203723-7	MW-26-W-200409	Total/NA	Water	3510C	
600-203723-8	MW-7-W-200409	Total/NA	Water	3510C	
600-203723-9	MW-6-W-200409	Total/NA	Water	3510C	
600-203723-10	DUP-1-W-200409	Total/NA	Water	3510C	
600-203723-11	MW-2-W-200410	Total/NA	Water	3510C	
600-203723-12	MW-1-W-200410	Total/NA	Water	3510C	
600-203723-13	MW-23-W-200410	Total/NA	Water	3510C	
600-203723-14	MW-10-W-200410	Total/NA	Water	3510C	
MB 600-292707/1-A	Method Blank	Total/NA	Water	3510C	
LCS 600-292707/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 600-292707/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 293469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-1	MW-5-W-200409	Total/NA	Water	8015B	292707
600-203723-2	MW-4-W-200409	Total/NA	Water	8015B	292707
600-203723-3	MW-14-W-200409	Total/NA	Water	8015B	292707
600-203723-4	MW-18-W-200409	Total/NA	Water	8015B	292707
600-203723-5	TW-13-W-200409	Total/NA	Water	8015B	292707
600-203723-6	MW-13-W-200409	Total/NA	Water	8015B	292707
600-203723-7	MW-26-W-200409	Total/NA	Water	8015B	292707
600-203723-8	MW-7-W-200409	Total/NA	Water	8015B	292707
600-203723-9	MW-6-W-200409	Total/NA	Water	8015B	292707
600-203723-10	DUP-1-W-200409	Total/NA	Water	8015B	292707
600-203723-11	MW-2-W-200410	Total/NA	Water	8015B	292707

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QC Association Summary

Client: ARCADIS U.S. Inc

Job ID: 600-203723-1

Project/Site: Chevron -Buckeye Compressor Station 4/10

GC Semi VOA (Continued)

Analysis Batch: 293469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-203723-12	MW-1-W-200410	Total/NA	Water	8015B	292707
600-203723-13	MW-23-W-200410	Total/NA	Water	8015B	292707
600-203723-14	MW-10-W-200410	Total/NA	Water	8015B	292707
MB 600-292707/1-A	Method Blank	Total/NA	Water	8015B	292707
LCS 600-292707/2-A	Lab Control Sample	Total/NA	Water	8015B	292707
LCSD 600-292707/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	292707

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Chevron -Buckeye Compressor Station 4/10

Job ID: 600-203723-1

Client Sample ID: MW-5-W-200409

Lab Sample ID: 600-203723-1

Date Collected: 04/09/20 08:12

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 13:34	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 14:24	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 12:50	RJV	TAL HOU

Client Sample ID: MW-4-W-200409

Lab Sample ID: 600-203723-2

Date Collected: 04/09/20 09:44

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	293007	04/22/20 13:38	YX1	TAL HOU
Total/NA	Analysis	8260B	DL	200	293007	04/22/20 14:02	YX1	TAL HOU
Total/NA	Analysis	8015B		20	292815	04/18/20 14:48	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 12:16	RJV	TAL HOU

Client Sample ID: MW-14-W-200409

Lab Sample ID: 600-203723-3

Date Collected: 04/09/20 11:12

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	293007	04/22/20 13:14	YX1	TAL HOU
Total/NA	Analysis	8015B		1	292887	04/21/20 10:45	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 13:23	RJV	TAL HOU

Client Sample ID: MW-18-W-200409

Lab Sample ID: 600-203723-4

Date Collected: 04/09/20 12:23

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 14:46	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 15:11	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 14:21	RJV	TAL HOU

Client Sample ID: TW-13-W-200409

Lab Sample ID: 600-203723-5

Date Collected: 04/09/20 13:50

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 15:11	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 12:28	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 15:24	RJV	TAL HOU

Eurofins TestAmerica, Houston

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Chevron -Buckeye Compressor Station 4/10

Job ID: 600-203723-1

Client Sample ID: MW-13-W-200409

Lab Sample ID: 600-203723-6

Date Collected: 04/09/20 15:02

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 15:35	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 12:51	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 15:58	RJV	TAL HOU

Client Sample ID: MW-26-W-200409

Lab Sample ID: 600-203723-7

Date Collected: 04/09/20 16:13

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 15:59	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 13:15	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 16:32	RJV	TAL HOU

Client Sample ID: MW-7-W-200409

Lab Sample ID: 600-203723-8

Date Collected: 04/09/20 17:23

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 16:23	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 13:38	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 17:39	RJV	TAL HOU

Client Sample ID: MW-6-W-200409

Lab Sample ID: 600-203723-9

Date Collected: 04/09/20 18:36

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	292885	04/21/20 16:47	WS1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 15:58	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 18:13	RJV	TAL HOU

Client Sample ID: DUP-1-W-200409

Lab Sample ID: 600-203723-10

Date Collected: 04/09/20 00:00

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	293007	04/22/20 14:26	YX1	TAL HOU
Total/NA	Analysis	8260B	DL	200	293007	04/22/20 14:50	YX1	TAL HOU
Total/NA	Analysis	8015B		20	292887	04/21/20 11:32	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 18:46	RJV	TAL HOU

Eurofins TestAmerica, Houston

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Chevron -Buckeye Compressor Station 4/10

Job ID: 600-203723-1

Client Sample ID: MW-2-W-200410

Lab Sample ID: 600-203723-11

Date Collected: 04/10/20 09:05

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	293007	04/22/20 16:03	YX1	TAL HOU
Total/NA	Analysis	8015B		1	292887	04/21/20 11:08	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 19:20	RJV	TAL HOU

Client Sample ID: MW-1-W-200410

Lab Sample ID: 600-203723-12

Date Collected: 04/10/20 10:34

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	293007	04/22/20 16:27	YX1	TAL HOU
Total/NA	Analysis	8260B	DL	20	293078	04/23/20 08:28	WS1	TAL HOU
Total/NA	Analysis	8015B		5	292887	04/21/20 11:55	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 19:53	RJV	TAL HOU

Client Sample ID: MW-23-W-200410

Lab Sample ID: 600-203723-13

Date Collected: 04/10/20 12:19

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	293007	04/22/20 16:51	YX1	TAL HOU
Total/NA	Analysis	8015B		1	292815	04/18/20 17:31	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 20:26	RJV	TAL HOU

Client Sample ID: MW-10-W-200410

Lab Sample ID: 600-203723-14

Date Collected: 04/10/20 13:19

Matrix: Water

Date Received: 04/11/20 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	293007	04/22/20 17:16	YX1	TAL HOU
Total/NA	Analysis	8015B		1	292659	04/16/20 18:41	WS1	TAL HOU
Total/NA	Prep	3510C			292707	04/16/20 14:33	RLK	TAL HOU
Total/NA	Analysis	8015B		1	293469	04/29/20 21:00	RJV	TAL HOU

Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Eurofins TestAmerica, Houston

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron -Buckeye Compressor Station 4/10

Job ID: 600-203723-1

Laboratory: Eurofins TestAmerica, Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704223-19-25	10-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B	3510C	Water	Oil Range Organics (C28-C36)

Chain of Custody Record

Client Information		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: Douglas Jordan		Kudchadkar, Sachin G		600-76076-20514.1		Page: Page	
Company: ARCADIS U.S. Inc		E-Mail: sachin.kudchadkar@teslamericainc.com		Job #:		Job #:	
Address: 10205 Westheimer Rd Suite 800		Due Date Requested:		Analysis Requested		Preservation Codes:	
City: Houston		TAT Requested (days):		Analysis Requested		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 713-953-4739(Tel)		PO #: 30042761-0003B		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Email: douglas.jordan@arcadis.com		WO #:		82608_LL - BTEX Only		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]	
Project Name: Chevron - Buckeye Compressor Station		Project #: 60012200		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]	
Site:		SSOW#:		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]		8015B_GRO - (MOD) Gasoline Range Organics [C6-C10]	
Sample Identification		Sample Date	Sample Time	Sample Type (G=grab)	Matrix (Weater, Sealed, One-salt)	Preservation Code:	utions/Note:
MW-5-W-200409	04/05/20	0812	G	Water			
MW-4-W-200409	04/05/20	0844	G	Water			
MW-14-W-200409	04/05/20	1112	C	Water			
MW-18-W-200409	04/05/20	1223	C	Water			
MW-13-W-200409	04/05/20	1350	C	Water			
MW-13-W-200409	04/05/20	1502	C	Water			
MW-26-W-200409	04/05/20	1613	C	Water			
MW-7-W-200409	04/05/20	1723	C	Water			
MW-6-W-200409	04/05/20	1836	C	Water			
DUP-1-W-200409	04/05/20	1836	C	Water			
Possible Hazard Identification		Date:		Time:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Date:		Time:		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Eurofins TestAmerica, Houston

6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record



Environment Testing
TestAmerica

Client Information Client Contact: Douglas Jordan Company: ARCADIS U.S. Inc. Address: 10205 Westheimer Rd Suite 800 City: Houston State, Zip: TX, 77042 Phone: 713-953-4739(Tel) Email: douglas.jordan@arcadis.com Project Name: Chevron - Buckeye Compressor Station Site:		Lab PM: Kuchadkar, Sachin G E-Mail: sachin.kuchadkar@testamericainc.com Lab: 30042761-0003B WO #: 60012200 Project #: 60012200 SSOW #:		Carrier Tracking No(s): Lab PM: Kuchadkar, Sachin G E-Mail: sachin.kuchadkar@testamericainc.com		COC No: 600-76076-20514.1 Page: Job #:	
Analysis Requested							
Due Date Requested: TAT Requested (days): PO #: 30042761-0003B WO #: 60012200 Project #: 60012200 SSOW #:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)					
Sample Identification MW-2-W-200410 MW-1-W-200410 MW-23-W-200410 MW-10-W-200410		Sample Date 04/10/20 04/10/20 04/10/20 04/10/20		Sample Time 0905 1034 1119 1319		Matrix (Water, Solid, Over-salt, etc.) Water Water Water Water	
Sample Type (C=comp, G=grab) G G G G		Preservation Code: A A A A		Field Filtered Sample (Yes or No) X X X X		Perform MS/MSD (Yes or No) X X X X	
8260B_LL - BTEX Only 8015B_GRO - (MOD) Gasoline Range Organics [C6-C10] 8015B_DRO ORO/C19-C28/C28-C36 300_ORGFM_28D - Chloride		Total Number of Containers 8 8 8 7		Special Instructions/Note: Special Instructions/Note: Special Instructions/Note: Special Instructions/Note:			
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months							
Special Instructions/QC Requirements:							
Empty Kit Relinquished by:		Date:		Method of Shipment:			
Relinquished by: Gary Shoyan Relinquished by:		Date/Time: 04/06/20 1124 Date/Time:		Date/Time: 4/11/20 1028 Date/Time:			
Relinquished by:		Date/Time:		Date/Time:			
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Ver: 01/16/2019

Loc. 600
203723



Environment Testing
TestAmerica

Eurofins TestAmerica Houston

Sample Receipt Checklist

20 APR 11 10:28

JOB NUMBER: 203723 Date/Time Received: _____
 CLIENT: Arcadis
 UNPACKED BY: JR CARRIER/DRIVER: FedEx Express
 Custody Seal Present: ☒ YES ☐ NO Number of Coolers Received: 3

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
9175	Y / N	Y / N	3.6	678	-0.1	3.5
9164	Y / N	Y / N	1.3	678	-0.1	1.2
9186	Y / N	Y / N	2.3	678	-0.1	2.2
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☒ YES ☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED: ☐ NO ☐ YES

Base samples are > pH 12: ☐ YES ☐ NO Acid preserved are < pH 2: ☐ YES ☐ NO

TX1005 samples frozen upon receipt: ☐ YES DATE & TIME PUT IN FREEZER: _____

pH paper Lot # _____ VOA headspace acceptable (5-6mm): ☐ YES ☐ NO ☐ NA

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt? ☐ YES ☐ NO

COMMENTS: CS #1293023 #1293020 #1293013

HS-SA-WI-013

Rev. 4A: 08/26/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 600-203723-1

Login Number: 203723

List Source: Eurofins TestAmerica, Houston

List Number: 1

Creator: Upton, Cathy L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5,1.2,2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Arcadis U.S., Inc.
10205 Westheimer Road, Suite 800
Houston
Texas 77042
Phone: 713 953 4800
Fax: 713 977 4620
www.arcadis.com

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 59883

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 59883
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 59772 for most updated status.	12/2/2022