REVIEWED
By Nelson Velez at 12:42 pm, Mar 14, 2023

2022 future Activities within report are approved. Please submit next annual report no later than August 31, 2023.

August 22, 2022

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

Re: **Buckeye Compressor Station Site**
2022 Semiannual Groundwater Monitoring
Report Abatement Plan AP-104
Lea County, New Mexico

Dear Mr. Billings,

Please find enclosed the following report:

Buckeye Compressor Station Site – 2022 Semiannual Groundwater Monitoring Report, Section 36 –Township 17 South – Range 34 East, Lea County New Mexico.

The report was prepared by Kane Environmental Engineering, Inc. (Kane), on behalf of Morning Star Partners (MSP) to document on-going groundwater monitoring and remediation activities at the site.

Should you have any questions or require additional information please contact Alan Kane, P.E. at (281) 639-9590, or myself at (817) 334-8098, or you can reach me via email at dguillotte@mspartners.com.

Respectfully,

Dan Guillotte
Manager Environmental Health and Safety

Encl. Buckeye Compressor Station Site – 2022 Semiannual Groundwater Monitoring Report

Morning Star Partners

2022 Semiannual Groundwater Monitoring Report

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

August 2022

2022 Semiannual Groundwater Monitoring Report

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

Prepared By:
Kane Environmental Engineering, Inc
2351 East Hwy 21
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Phone: (281) 639-9590

Prepared For:
Dan Guillotte - Manager Environmental Health Safety
Morning Star Partners
400 West 7th Street
Fort Worth, Texas 76102

Alan J. Kane, P.E.

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1.0 Introduction

Kane Environmental Engineering, Inc. (Kane) has prepared this report, on behalf of Morning Star Partners (MSP), summarizing groundwater monitoring activities conducted at the Buckeye Compressor Station (site). Data presented in this report was collected during semiannual groundwater monitoring events conducted in June 2022. 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**. The Workplan submitted to NMOCD in July 2020 is presented in **Appendix A.** Activities at the site have been conducted in accordance with the Workplan since it's submittal.

2.0 Groundwater Monitoring Results

Kane performed a semiannual groundwater sampling event on June 29 and June 30, 2022. Field monitoring methodologies utilized during groundwater monitoring and sampling are detailed in **Appendix** C.

Wells TW-11 and TW-13, associated with the adjacent VGSAU #58 site located south of Texas Camp Road (**Figure 1**), are included in the groundwater monitoring program to monitor dissolved- phase impacts to the south of the site.

2.1 Groundwater Gauging Data

Groundwater and LNAPL measurements collected during the semiannual monitoring event indicated:

- Groundwater elevations ranged from:
  - 3852.74 feet above mean sea level (ft. MSL) (MW-22) to 3857.46 ft. MSL (MW-25) during the June 2022 event.
- The groundwater elevations during the 2022 period are consistent with historical levels, with groundwater flow generally to the east.
- The calculated gradient was 0.003 ft/ft for the June 2022 gauging event which is consistent with the historical groundwater.

Potentiometric elevation data for the sampling event is presented in **Table 1**. The groundwater potentiometric surface map for June 2022 and November 2021 are presented in **Figure 3**. A cumulative summary of groundwater potentiometric elevation data is presented in **Appendix E**.

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 June 2022 monitoring event. An interface probe was used to measure the LNAPL thickness and the results are included in **Table 1.** The distribution and extent of LNAPL during the June 2022 monitoring event is presented in **Figure 4.**

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

- 2.72 feet in MW-3,
- 2.73 feet in MW-8,
- 3.15 feet in MW-9,
- 4.04 feet in MW-19, and
- 3.57 feet in EW-1

2.2.1 LNAPL Bailing

Approximately 12 gallons of LNAPL were collectively recovered during the semiannual monitoring event using the existing bailers. All recovered LNAPL and a small amount of groundwater were placed in the dedicated on-site 520-gallon double walled stainless steel tank.

2.3 Groundwater Analytical Results

Groundwater was sampled from all accessible wells at the site except those containing LNAPL. Wells TW-11 and TW-13 of the adjacent former VGSAU #58 site were also sampled. Monitoring well MW-10 has been destroyed during site activities. MW-23 was not sampled due to being unable to locate this well and is assumed to have been destroyed. As previously reported, MW-11 was destroyed during pipeline replacement activities in late 2012.

Groundwater analytical results for benzene, toluene, ethylbenzene, xylenes (BTEX), TPH as gasoline range organic (GRO) and as diesel range organics (DRO) were compared to the NMWQCC Groundwater Standards.

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

2.3.1 Benzene

- Benzene exceeded the NMWQCC standard of 0.005 mg/L in 5 of the 23 wells sampled (MW-1, MW-2, MW-4, MW-6, and MW-17) at concentrations ranging from 0.00682 mg/L (MW-6) to 12.7 mg/L (MW-4) during the sampling event.

2.3.2 TPH

- TPH was detected in 19 of the wells sampled at concentrations ranging from 0.024 mg/L (MW-20) to 33.1 mg/L (MW-4).

A summary of the groundwater sample analytical results is presented in **Table 2**. The distribution of constituents, LNAPL occurrence and approximate extent of the hydrocarbon plume for the events 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 F**. Charts showing trends of historical concentrations of benzene through time are provided in **Appendix H**. Copies of the certified analytical reports and chain-of-custody documentation from Pace Analytical is provided in **Appendix I**.

3.0 Summary

Findings of groundwater monitoring events conducted at the site are summarized below:

- All accessible site wells were gauged and sampled, including the 2 wells associated with the former VGSAU #58 site to the south.
- Potentiometric surface conditions are consistent with historical results, with groundwater flow generally to the east and a relatively flat hydraulic gradient of 0.003 ft/ft.
- LNAPL was present in five wells.
- The LNAPL plumes are delineated and appear to be stable with no evidence of migration.

- Approximately 12 gallons of LNAPL were recovered.
- Benzene exceeded the 0.005 mg/L standard in five wells (MW-1, MW-2, MW-4, MW-6 and MW-17) during this sampling event.

4.0 2022 Activities

The following future actions are proposed for the site:

- Install two solar powered LNAPL recovery pumps in wells MW-1 and EW-1 and monitor recovery rates. Weekly LNAPL and groundwater recovery volumes will be recorded. Recovered product and associated groundwater will be stored in dedicated storage tanks. Overall system efficiency will be evaluated on a monthly basis and adjustments made as needed.
- A semiannual groundwater sampling event is scheduled to be performed during the fourth quarter of 2022.

Tables

TABLE 1
2022 POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well	Well Diameter (inches)	Screen Interval (bgs[3])	TOC 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	2"	122.47 - 142.09	3990.85	06/09/21	147.19	134.88	--	--	--	3855.97
				11/10/21	152.21	134.77	--	--	--	3856.08
				06/30/22	152.10	135.49	--	--	--	3855.36
MW-2	2"	123.27 - 142.89	3991.08	06/09/21	142.71	135.30	--	--	--	3855.78
				11/10/21	142.65	135.19	--	--	--	3855.89
				06/30/22	142.07	135.91	--	--	--	3855.17
MW-3	2"	123.72 - 143.34	3991.75	06/09/21	137.35	ND	135.35	2.00	--	--
				07/20/21	137.20	ND	135.17	2.30	--	--
				09/14/21	137.21	ND	135.15	2.06	1.00	--
				10/21/21	137.35	ND	135.57	1.78	0.75	--
				11/10/21	--	137.24	135.35	1.89	1.00	3854.51
				12/22/21	--	137.27	135.50	1.77	1.00	3854.48
				06/30/22	137.33	138.62	135.90	2.72	0.08	3853.13
MW-4	2"	122.47 - 142.09	3991.57	06/09/21	143.47	136.46	--	--	--	3855.11
				11/10/21	143.55	136.43	--	--	--	3855.14
				06/30/22	143.55	137.49	--	--	--	3854.08
MW-5	2"	125.97 - 142.59	3992.12	06/09/21	144.97	136.46	--	--	--	3855.66
				11/10/21	145.02	136.59	--	--	--	3855.53
				06/30/22	145.10	137.37	--	--	--	3854.75
MW-6	2"	122.37 - 141.99	3991.94	06/09/21	143.44	136.11	--	--	--	3855.83
				11/10/21	136.06	134.06	--	--	--	3857.88
				06/30/22	136.12	136.78	--	--	--	3855.16
MW-7	2"	122.17 - 141.79	3992.89	06/09/21	141.87	136.70	--	--	--	3856.19
				11/10/21	141.83	136.75	--	--	--	3856.14
				06/30/22	141.83	137.24	--	--	--	3855.65
MW-8	2"	123.57 - 143.19	3991.27	06/09/21	--	136.92	134.85	2.07	--	3855.91
				07/20/21	--	136.15	134.74	1.41	--	3856.18
				09/14/21	--	136.34	134.69	1.65	1.00	3856.17
				10/21/21	--	135.38	134.82	0.56	1.50	3856.31
				11/10/21	--	136.84	134.85	1.99	1.00	3855.93
				12/22/21	--	136.88	135.12	1.76	1.00	3855.71
				06/30/22	--	138.12	135.39	2.73	0.75	3853.15
MW-9	2"	123 - 145	3990.40	06/09/21	--	136.91	134.23	2.68	--	3855.51
				07/20/21	--	136.25	134.08	2.17	--	3855.78
				09/14/21	--	136.28	134.04	2.24	4.00	3855.80
				10/21/21	--	136.35	134.20	2.15	11.5	3855.67
				11/10/21	--	136.55	134.23	2.32	8.00	3855.59
				12/22/21	--	137.00	134.41	2.59	7.00	3855.35
				06/30/22		138.03	134.88	3.15	5.00	3852.37
MW-10	2"	123 - 145	3992.85	06/09/21	148.89	133.50	--	--	--	3859.35
				11/10/21	140.32	133.61	--	--	--	3859.24
				06/30/22	--	--	--	--	--	--
MW-12	2"	123 - 145	3989.62	06/09/21	144.58	133.21	--	--	--	3856.41
				11/10/21	144.54	133.23	--	--	--	3856.39
				06/30/22	144.53	133.89	--	--	--	3855.73
MW-13	2"	123 - 145	3990.60	06/09/21	144.80	134.93	--	--	--	3855.67
				11/10/21	144.67	134.93	--	--	--	3855.67
				06/30/22	144.71	135.78	--	--	--	3854.82
MW-14	2"	123 - 145	3991.27	06/09/21	147.28	135.65	--	--	--	3855.62
				11/10/21	147.48	135.09	--	--	--	3856.18
				06/30/22	147.52	136.61	--	--	--	3854.66
MW-15	2"	124 - 146	3992.42	06/09/21	147.97	136.39	--	--	--	3856.03
				11/10/21	147.93	136.73	--	--	--	3855.69
				06/30/22	147.95	137.51	--	--	--	3854.91
MW-16	2"	122 - 145	3989.17	06/09/21	143.98	134.56	--	--	--	3854.61
				11/10/21	143.98	134.83	--	--	--	3854.34
				06/30/22	143.98	135.91	--	--	--	3853.26
MW-17	2"	122 - 145	3989.92	06/09/21	145.92	135.20	--	--	--	3854.72
				11/10/21	146.01	135.32	--	--	--	3854.60
				06/30/22	146.01	136.57	--	--	--	3853.35
MW-18	2"	124.49 - 144.49	3989.96	06/09/21	145.20	135.05	--	--	--	3854.91
				11/10/21	145.39	135.02	--	--	--	3854.94
				06/30/22	145.22	136.09	--	--	--	3853.87

TABLE 1
2022 POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well	Well Diameter (inches)	Screen Interval (bgs[3]) *ft toc*	TOC Elevation *ft msl*	Date	Total Depth (ft below TOC) *ft toc*	Depth to Water (ft below TOC) *ft toc*	Depth to LNAPL *ft toc*	LNAPL Thickness *ft*	Product Removed *gallons*	Corrected Groundwater Elevation (ft above MSL[2]) *ft msl*
MW-19	2”	124.49 - 144.49	3991.32	06/09/21	--	137.95	134.37	3.58	--	3856.06
				07/20/21	--	137.34	134.29	3.05	--	3856.27
				09/14/21	--	137.49	134.26	3.23	0.50	3856.26
				10/21/21	--	137.50	134.28	3.22	2.00	3856.24
				11/10/21	--	137.89	134.42	3.47	2.50	3856.04
				12/22/21	--	137.57	134.79	2.78	2.00	3855.84
				06/30/22	--	138.92	134.88	4.04	1.00	3852.40
MW-20	2”	124.49 - 144.49	3992.62	06/09/21	146.58	136.21	--	--	--	3856.41
				11/10/21	146.12	136.37	--	--	--	3856.25
				06/30/22	146.10	136.81	--	--	--	3855.81
MW-21	2”	124.49 - 144.49	3993.71	06/09/21	147.43	137.56	--	--	--	3856.15
				11/10/21	147.44	137.50	--	--	--	3856.21
				06/30/22	147.43	138.26	--	--	--	3855.45
MW-22	2”	115 - 145	3989.01	06/09/21	148.71	134.60	--	--	--	3854.41
				11/10/21	148.69	134.86	--	--	--	3854.15
				06/30/22	148.70	136.27	--	--	--	3852.74
MW-23	2”	115 - 145	3989.77	06/09/21	Unable to locate					
				11/10/21	Unable to locate					
				06/30/22	Unable to locate					
MW-24	2”	115 - 145	3997.05	06/09/21	148.59	139.00	--	--	--	3858.05
				11/10/21	142.42	139.18	--	--	--	3857.87
				06/30/22	143.10	139.59	--	--	--	3857.46
MW-25	2”	120 - 150	3991.88	06/09/21	149.96	132.57	--	--	--	3859.31
				11/10/21	150.08	132.67	--	--	--	3859.21
				06/30/22	149.97	133.17	--	--	--	3858.71
MW-26	2”	120 - 150	3991.13	06/09/21	151.71	134.82	--	--	--	3856.31
				11/10/21	151.69	134.76	--	--	--	3856.37
				06/30/22	151.70	135.47	--	--	--	3855.66
EW-1	4”	120 - 145	3987.79	06/09/21	--	134.28	130.92	3.36	--	3856.04
				07/20/21	--	133.68	130.82	2.86	--	3856.26
				09/14/21	--	133.85	130.81	3.04	6.50	3856.23
				10/21/21	--	133.96	130.82	3.14	4.50	3856.19
				11/10/21	--	134.21	130.98	3.23	6.00	3856.01
				12/22/21	--	134.58	131.12	3.46	5.00	3855.81
				06/30/22	--	135.04	131.47	3.57	4.50	3852.75
TW-11		195	3989.11	06/09/21	188.20	130.71	--	--	--	3858.40
				11/10/21	188.13	129.80	--	--	--	3859.31
				06/30/22	188.12	131.61	--	--	--	3857.50
TW-13		183	3988.73	06/09/21	176.43	133.46	--	--	--	3855.27
				11/10/21	176.40	133.44	--	--	--	3855.29
				06/30/22	176.33	134.42	--	--	--	3854.31

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.
'ND' indicates Not Detected

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TABLE 2
2022 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		0.005	1	0.7	0.62	--	--	--	250	1,000
MW-1	6/30/2022	***0.0436***	<0.000278	<0.000137	<0.000174	0.368	0.770	2.46	49.2	--
MW-2	6/30/2022	**0.0176**	0.000278	<0.000137	<0.000174	0.405	0.0738	0.4788	-98.4	--
MW-3	6/30/2022		---------- LNAPL ----------							
			---------- LNAPL ----------							
MW-4	6/30/2022	***12.7***	0.000278	0.0212	0.00118	32.6	0.502	33.28	74.5	--
MW-5	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.0714	84.8	--
MW-6	6/30/2022	0.**00682**	<0.000278	<0.000137	<0.000174	0.107	0.0317	1.79	47.4	--
MW-7	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2	--
MW-8	6/30/2022	---------- LNAPL ----------								
MW-9	6/30/2022	----------NAPL----------								
MW-10	6/30/2022	**Damaged-Not Sampled**								
MW-12	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0559	<0.0118	40.9	--
MW-13	6/30/2022	0.000124	<0.000278	<0.000137	<0.000174	<0.0314	0.551	1.35	76.9	--
MW-14	6/30/2022	<0.000113	<0.0050	<0.000137	<0.000174	0.221	0.302	0.983	12.1	--
MW-15	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0519	0.14	51.3	--
MW-16	6/30/2022	0.000107	<0.000278	<0.000137	<0.000174	<0.0314	0.0316	0.115	69.1	--
MW-17	6/30/2022	***6.65***	<0.000279	0.000684	0.000528	12.9	0.336	13.394	--	--
MW-18	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.201	0.825	--	--
MW-19	6/30/2022	---------- LNAPL ----------								
MW-20	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.024	36.6	--
MW-21	6/30/2022	0.000169	<0.000278	<0.000137	<0.000174	<0.0314	0.0618	0.142	92.4	--
MW-22	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.103	0.281	39.6	
MW-23	6/30/2022	**Unable to Locate**								
MW-24	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.129	0.182	--	--
MW-25	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.035	0.085	84.8	--
MW-26	6/30/2022	0.000268	<0.000278	<0.000137	<0.000174	<0.0314	0.0723	<0.0118	60.6	--
EW-1	6/30/2022	---------- LNAPL ----------								

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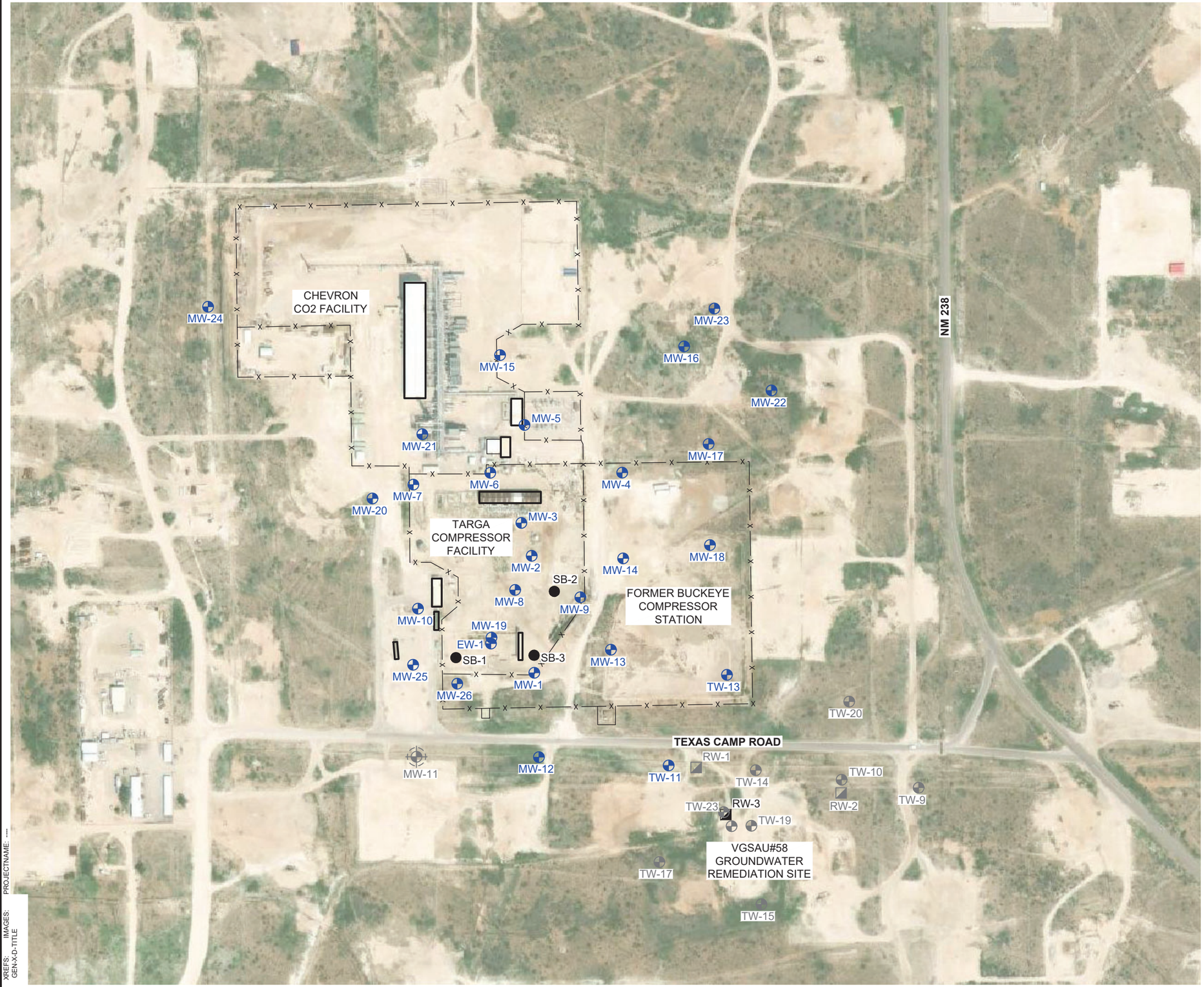
TABLE 2
2022 GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

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		**0.005**	**1**	**0.7**	**0.62**	**--**	**--**	**--**	**250**	**1,000**
TW-11	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.100	0.185	143	--
TW-13	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.132	0.19	102	--

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.
"NS' indicates Not sampled
< 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



N

LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
SB-1	SOIL BORING (2015 ASSESSMENT)
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

SITE MAP

KANE
Environmental Engineering, Inc.

FIGURE
1

C:\Users\salotagn7992\ACCDocs\Arcadis\AUS-CHEVRON-BUCKEYE COMPRESSOR STATION-LEA COUNTY New Mexico\Project Files\2021101-In Progress\01-DWG\GEN-F02-SITE PLAN.dwg LAYOUT: 2 SAVED: 6/11/2021 12:07 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
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Aerial 02.26.2020 A.JPG

MW–24	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.125

MW–21	
Date	06/30/22
Benzene	0.000169
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0618

MW–15	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<00.50
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0519

MW–5	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	<0.0222

MW–16	
Date	06/30/2022
Benzene	0.000107
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0316

MW–23	
Date	06/30/2022
Benzene	Unable to Locate
Toluene	
Ethylbenzene	
Total Xylenes	
TPH GRO	
TPH DRO	

MW–22	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.103

MW–17	
Date	06/30/2022
Benzene	6.65
Toluene	<0.000279
Ethylbenzene	0.000684
Total Xylenes	0.000528
TPH GRO	12.9
TPH DRO	0.336

MW–6	
Date	06/30/2022
Benzene	0.00682
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.107
TPH DRO	0.0317

MW–4	
Date	06/30/2022
Benzene	12.7
Toluene	<0.000278
Ethylbenzene	0.0212
Total Xylenes	0.00118
TPH GRO	32.6
TPH DRO	0.502

MW–7	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0523

MW–10	
Date	06/30/2022
Benzene	Damaged not Sampled
Toluene	
Ethylbenzene	
Total Xylenes	
TPH GRO	
TPH DRO	

MW–20	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	<0.0222

MW–18	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.201

MW–2	
Date	06/30/2022
Benzene	0.0176
Toluene	0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.405
TPH DRO	0.0738

MW–14	
Date	06/30/2022
Benzene	<0.000113
Toluene	<0.0050
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.221
TPH DRO	0.302

MW–25	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.129

MW–13	
Date	06/30/2022
Benzene	0.000124
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.551

MW–26	
Date	069/30/2022
Benzene	0.000268
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0723

MW–1	
Date	06/30/2022
Benzene	0.0436
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.368
TPH DRO	0.770

MW–12	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0559

TW–11	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.100

TW–13	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.132

TW–20	
Date	06/30/2022
Benzene	<0.0000941
Toluene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	<0.0222

CHEVRON CO2 FACILITY
COMPRESSOR FACILITY
FORMER BUCKEYE COMPRESSOR STATION
TARGA
NM 238
TEXAS CAMP ROAD
MW-24 MW-21 MW-15 MW-5 MW-16 MW-23 MW-22 MW-17 MW-6 MW-4 MW-7 MW-10 MW-20 MW-18 MW-2 MW-14 MW-25 MW-13 MW-26 MW-1 MW-12 MW-11 TW-13 TW-20 RW-3 MW-3 MW-8 MW-9 MW-19 EW-1 MW-26

LEGEND:

- FENCE LINE
- MONITORING WELL LOCATION
- MONITORING WELL LOCATION TO BE SAMPLED DURING REDUCED EVENT
- RECOVERY WELL LOCATION
- ABANDONED (PLUGGED) WELL LOCATION
- DESTROYED WELL LOCATION
- ESTIMATED EXTENT OF DISSOLVED PHASE PLUME EXCEEDING NMWQCC STANDARDS
- B — DISSOLVED BENZENE (mg/L)
- T — DISSOLVED TOLUENE (mg/L)
- E — DISSOLVED ETHYLBENZENE (mg/L)
- X — DISSOLVED XYLENES (mg/L)
- TPH-GRO — DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C6-C10) (mg/L)
- TPH-DRO — DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C10-C28) (mg/L)
- LNAPL — LIGHT NON-AQUEOUS PHASE LIQUID
- NS — NOT SAMPLED

Analyte	NMWQCC Standards for Groundwater (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
TPH GRO	No Standard
TPH DRO	No Standard

NOTES:
1. MONITORING WELLS HIGHLIGHTED GREEN ARE PROPOSED TO BE SAMPLED DURING REDUCED SAMPLING EVENT (ONE SEMI-ANNUAL EVENT)

N

0 300' 600'

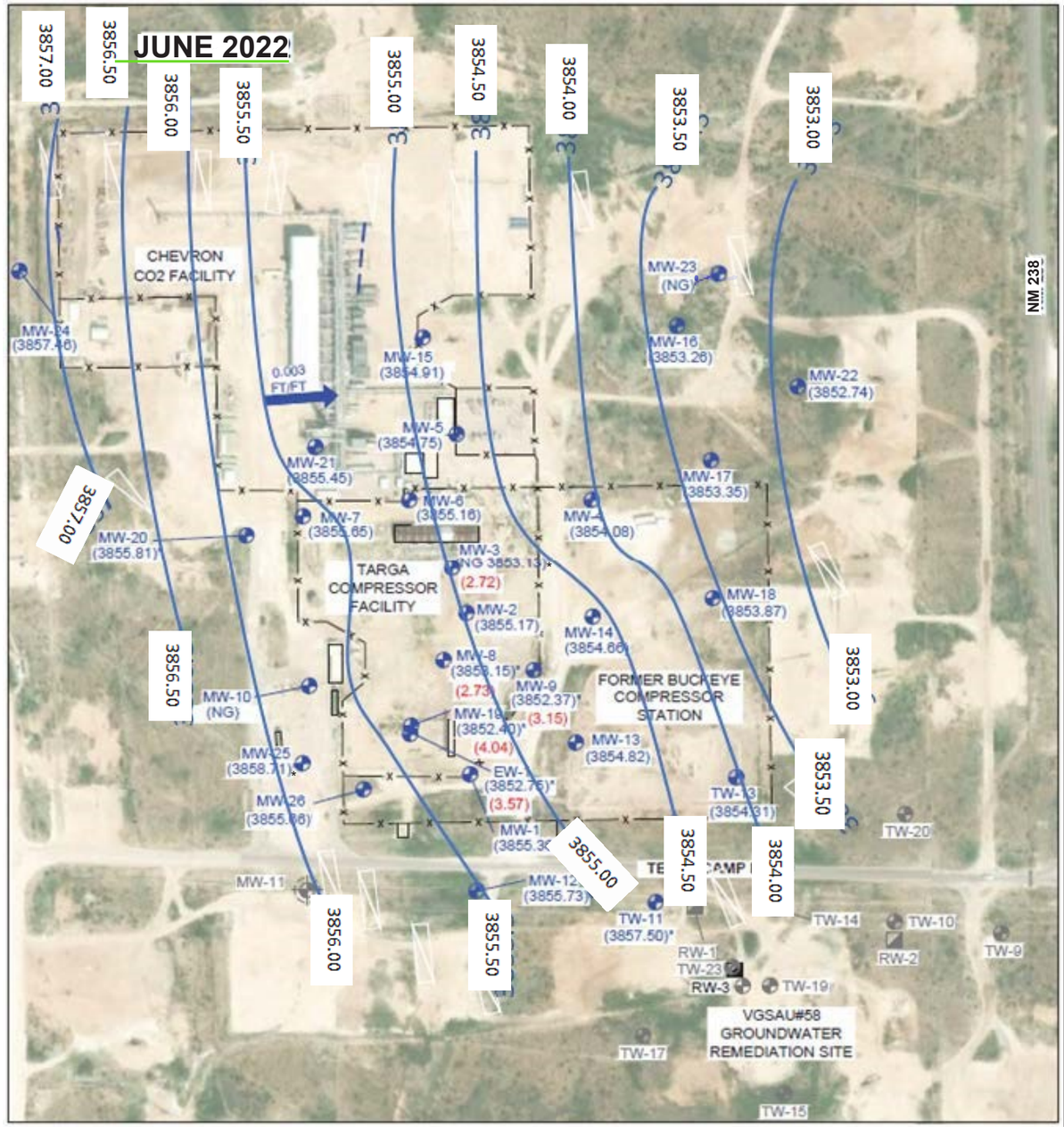
Approximate Scale: 1 in. = 300 ft.

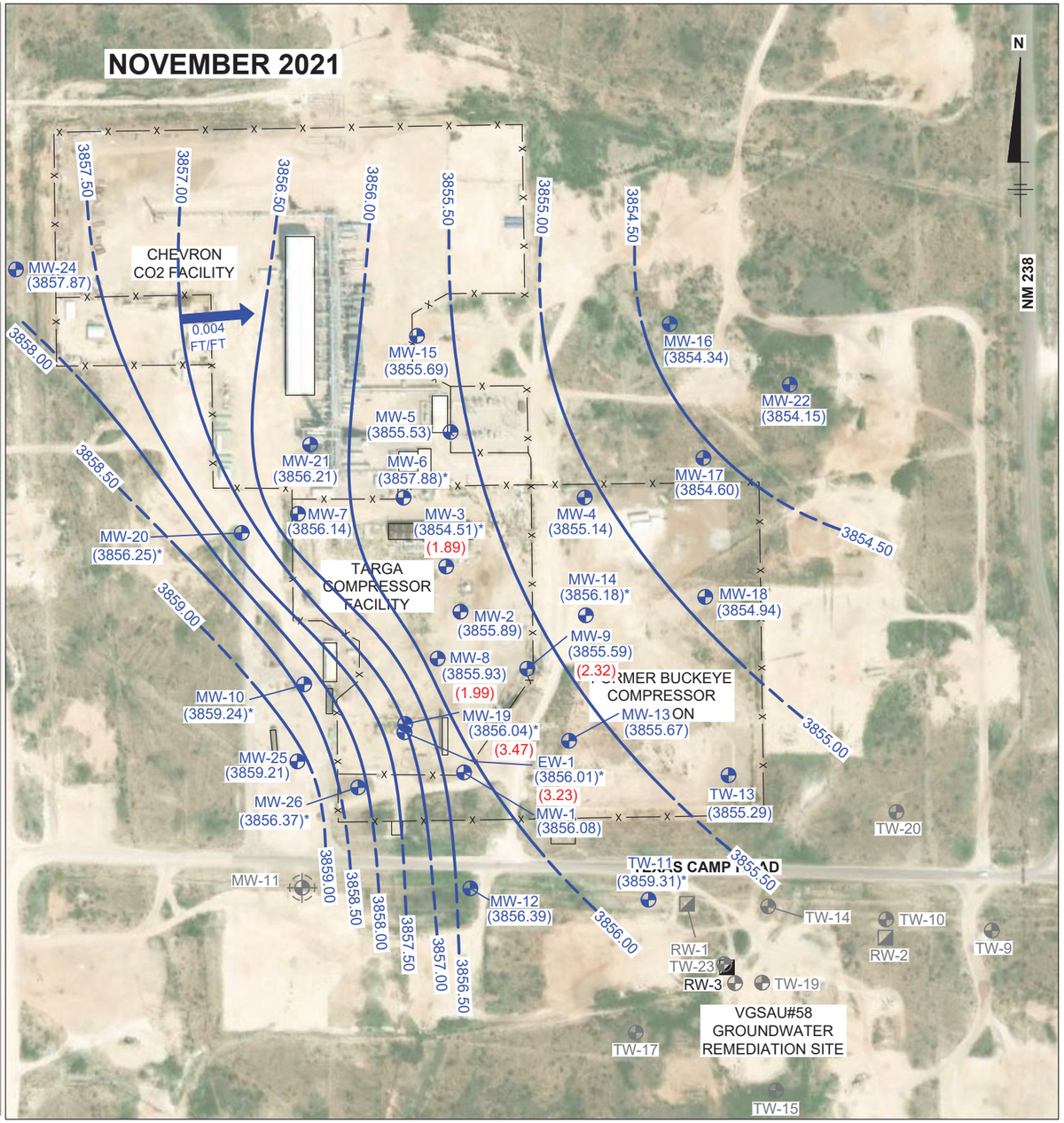
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

PROPOSED GROUNDWATER MONITORING REDUCTION PLAN

KANE
Environmental Engineering, Inc.

FIGURE
2





LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION
(3860.11)	GROUNDWATER ELEVATION IN FEET (FT)
3860.00	GROUNDWATER ELEVATION CONTOUR (INTERVAL = 1 FT)
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW
0.004 FT/FT	APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
(NG)	NOT GAUGED
(3.36)	LNAPL THICKNES IN FEET (FT)
*	WELLS NOT USED FOR CONTOURING

NOTE:

1. GROUNDWATER ELEVATIONS ARE FROM MEASUREMENTS OBTAINED ON JUNE 9 AND NOVEMBER 10, 2021.

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

POTENTIOMETRIC SURFACE MAP NOVEMBER 2021 AND JUNE 2022

KANE Environmental Engineering, Inc.

FIGURE 3

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GEN-X-BASEMAP

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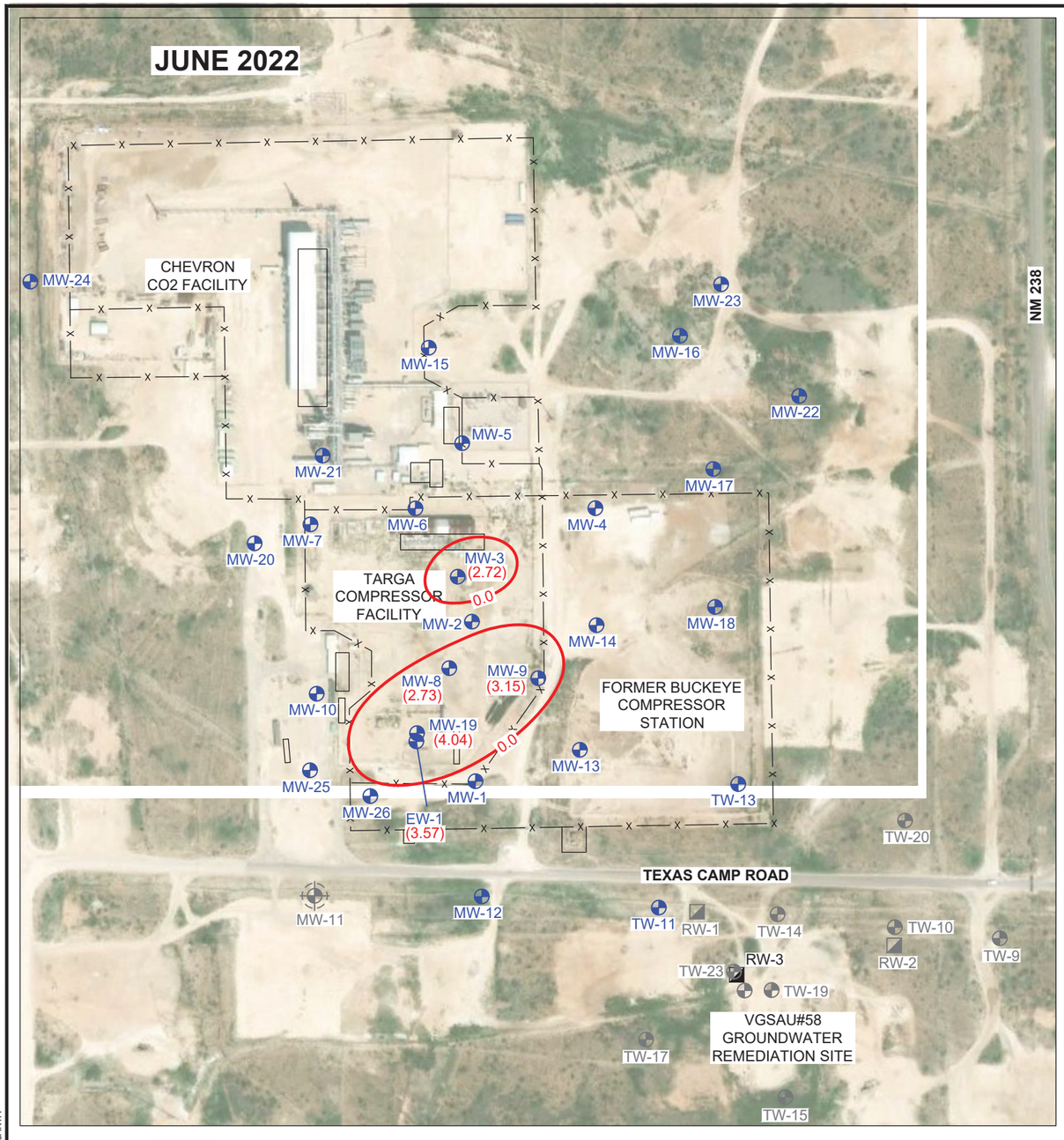

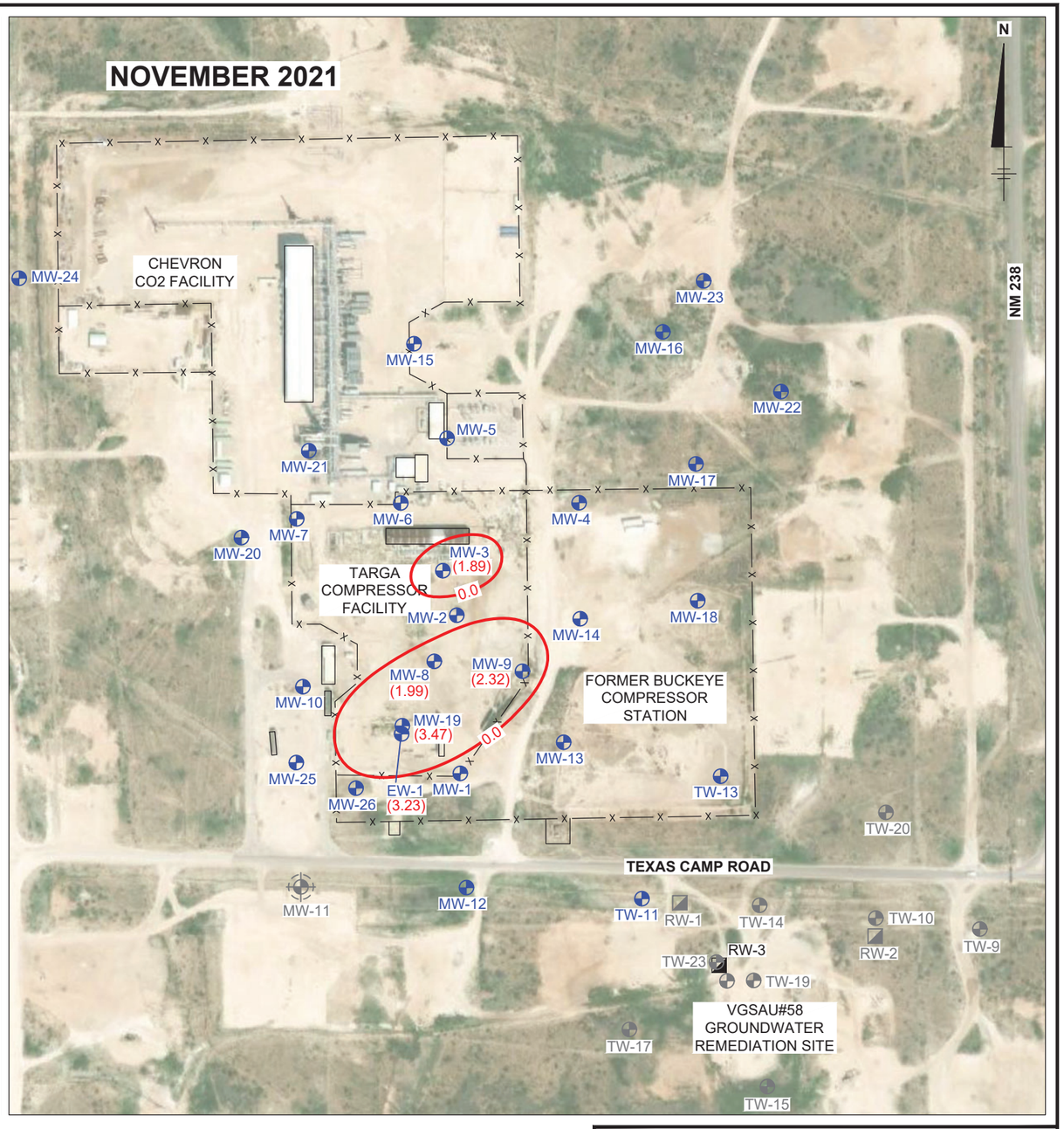

LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
	LNAPL CONTOUR
(3.36)	LNAPL THICKNESS IN FEET

NOTE:

1. LNAPL MEASUREMENTS OBTAINED ON JUNE 9 AND NOVEMBER 10, 2021.

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

LNAPL DISTRIBUTION MAP NOVEMBER 2021 AND JUNE 2022

KANE Environmental Engineering, Inc.

FIGURE 4

MW-21		
Date	06/30/2022	11/10/2021
Benzene	0.000169	0.000222 J
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.0618	--

MW-6		
Date	06/30/2022	11/10/2021
Benzene	0.000682	**0.386**
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	0.000311 J
Total Xylenes	<0.000174	0.00191 B
TPH GRO	0.107	--
TPH DRO	0.0317	--

MW-15	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0519

MW-5	
Date	06/302022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0222

MW-16	
Date	06/30/2022
Benzene	<0.000107
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0316

MW-22		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	<0.000190
Toulene	<0.000278	0.000833 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.103	--

MW-24	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.129

MW-7	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.0314
TPH DRO	0.116

MW-20	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0222

MW-25	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.035

MW-10	
Date	06/30/2022
Benzene	DAMAGED
Toulene	NOT
Ethylbenzene	SAMPLED
Total Xylenes	
TPH GRO	
TPH DRO	

MW-26	
Date	06/30/2022
Benzene	<0.000268
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0723

MW-1			
Date	06/30/2022	06/09/2021 DUP	11/10/2021
Benzene	**0.0436**	**0.0763**	**0.204**
Toulene	<0.000278	<0.000412	<0.000412
Ethylbenzene	<0.000137	<0.000160	<0.000160
Total Xylenes	<0.000174	<0.000510	<0.000510
TPH GRO	0.368	0.236 B	--
TPH DRO	0.770	0.995	--

MW-12		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	<0.000190
Toulene	<0.000278	0.000502 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.0559	--

TW-11		
Date	06/30/2022	11/10/2021
Benzene	0.0000941	<0.000190
Toulene	<0.000278	0.000650 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.100	--

MW-2		
Date	06/30/2022	11/10/2021
Benzene	**0.0176**	**0.0758**
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	0.000175 J
Total Xylenes	<0.000174	<0.000510
TPH GRO	0.405	--
TPH DRO	0.0738	--

MW-17			
Date	06/30/2022	11/10/2021	11/10/2021 DUP 1
Benzene	**6.65**	**4.94**	**5.12**
Toulene	<0.000279	<0.000412	0.000961 B J
Ethylbenzene	0.000684	0.00125	0.00141
Total Xylenes	<0.000528	<0.000510	0.00125 B J
TPH GRO	12.9	--	--
TPH DRO	0.336	--	--

MW-4		
Date	06/30/2022	11/10/2021
Benzene	**12.7**	**15.8**
Toulene	0.000278	<0.0412
Ethylbenzene	0.0212	<0.0160
Total Xylenes	0.00118	<0.0510
TPH GRO	32.6	--
TPH DRO	0.502	--

MW-18		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	0.000307 J
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.201	--

MW-14		
Date	06/30/2022	11/10/2021
Benzene	<0.000113	0.00141
Toulene	<0.0050	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	0.000174	<0.000510
TPH GRO	0.221	--
TPH DRO	0.302	--

MW-13		
Date	06/30/2022	11/10/2021
Benzene	<0.000124	0.00197
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.551	--

TW-13		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	0.000368 J
Toulene	<0.000278	0.000502 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	0.0314	--
TPH DRO	0.132	--

CHEVRON CO2 FACILITY

TARGA COMPRESSOR FACILITY

FORMER BUCKEYE COMPRESSOR STATION

VGSAU#58 IDWATER ATION SITE

TEXAS CAMP ROAD

NM 238

MW-1 MW-2 MW-3 (2.72) MW-4 MW-5 MW-6 MW-7 MW-8 (2.73) MW-9 (3.15) MW-10 MW-11 MW-12 MW-13 MW-14 MW-15 MW-16 MW-17 MW-18 MW-19 (4.04) MW-20 MW-21 MW-22 MW-23 (NS) MW-24 MW-25 MW-26 EW-1 (3.57) RW-1 RW-2 RW-3 TW-9 TW-10 TW-11 TW-13 TW-14 TW-15 TW-19 TW-20 TW-23

0.01

LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION
	ESTIMATED EXTENT OF DISSOLVED PHASE PLUME EXCEEDING NMWQCC STANDARDS
TPH-GRO	TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C6-C10) (mg/L)
TPH-DRO	TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C10-C28) (mg/L)
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
(2.72)	LNAPL THICKNESS DURING JUNE 2022 SAMPLING EVENT (FEET)
(NS)	NOT SAMPLED
<0.000412	RESULTS ARE LESS THAN THE SAMPLE DETECTION LIMIT
B	THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
J	ESTIMATED CONCENTRATION DETECTED BELOW THE QUANTITATION LIMIT
BOLD	VALUES INDICATE THE CONCENTRATION EXCEEDS NMWQCC STANDARD
NMWQCC	NEW MEXICO WATER QUALITY CONTROL COMMISSION
DUP	DUPLICATE SAMPLE
--	NOT ANALYSED

Analyte	NMWQCC Standards for Groundwater (mg/L)
Benzene	0.005
Toluene	1
Ethylbenzene	0.7
Total Xylenes	0.62
TPH GRO	No Standard
TPH DRO	No Standard

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

DISSOLVED HYDROCARBON CONCENTRATION MAP NOVEMBER 2021 AND JUNE 2022

KANE Environmental Engineering, Inc.

FIGURE 5

C:\Users\jadhavp8954\ACCDocs\Arcadis\AUS-CHEVRON-BUCKEYE COMPRESSOR STATION-LEA COUNTY New Mexico\Project Files\2022\01-In Progress\01-DWG\GWM-2021-F05-DHCM.dwg LAYOUT: 5 SAVED: 2/18/2022 1:50 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
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XREFS: IMAGES:
GEN-X-D-TITLE
GEN-X-BASEMAP

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	0.005
Toluene	1
Ethylbenzene	0.7
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-9, MW-12 through MW-22, MW-24 through MW-26, TW-11, TW-13 and EW-1) (Figure 2). Monitoring well MW-10 has been damaged. Repair alternatives are being evaluated. Based on the need for this well, MSP may request NMOCD consent to plug and abandon this well. The dissolved-phase plume has been 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 south 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.

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

August 22, 2022

Morning Star Partners
400 West 7th Street
Fort Worth, Texas 76102

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

Dear: Mr. Billings,

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

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

The submittal was prepared by Kane on behalf of MSP.

Please do not hesitate to c0ntact Alan Kane, the current consultant, at (281) 639-9590 or myself at (817) 334-8098, should you have any questions.

Sincerely,

Dan Guillotte

Enclosures;
Buckeye Compressor Station AP-104 Proposed Groundwater Monitoring, LNAPL Recovery and O&M Reduction Workplan.

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

Subject: Proposed Groundwater Monitoring, LNAPL Recovery and O&M Reduction Workplan.

Morning Star Partners
Buckeye Compressor Station (AP-104)
Lea County, New Mexico

Dear Mr. Billings:

At the request of Morning Star Partners (MSP), Kane Environmental Engineering, Inc. (Kane) has prepared and is providing this workplan to propose installing and operating a LNAPL recovery system and request the reduction of groundwater monitoring frequency and a reduction in the number of wells to be sampled for the Buckeye Compressor Station 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 semiannually. The site groundwater flow is generally to the east. Five monitoring wells currently contain LNAPL. 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 Semiannual Groundwater Monitoring Report, dated August 2022.

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Mr. Bradford Billings
EMNRD/OCD
August 2022

PROPOSED REDUCED SAMPLING PLAN

The following Workplan outlines the specifics of the proposed activities including the installation and operation of a LNAPL recovery system and reduced sampling plan for select monitoring wells and the methodology for the selection of those monitoring wells. MSP proposes to conduct an annual monitoring event that will include sampling all site wells as currently conducted with the exception of the following wells that have redundancy with nearby wells;

- **MW-7 (MW-7 has redundancy with MW-20)**
- **MW-15 (MW-15 has redundancy with MW-5)**
- **MW-25 (MW-25 has anomalous water level and has a redundancy with MW-26)**

While these wells will not be sampled the water levels will be measured and recorded. 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.

MSP also requests to defer total dissolved solids (TDS) analysis for all wells sampled as analytical results have been previously established.

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 any NMWQCC exceedance standards for two consecutive years or longer will not be gauged or sampled during the annual monitoring event. These wells will be identified and a request filed with the agency.

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

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

Proposed LNAPL Recovery System

As stated previously, MSP proposed to install solar powered Geotech pumps in wells MW-9 and EW-1. Based on the information gathered during the Semiannual Groundwater Sampling Event, these wells had both the highest LNAPL thickness levels and recovered LNAPL volumes. The observed LNAPL recovery rate for MW-9 ranged from 0.88 to 0.132 gallons per minute. The proposed system specifications are included in Appendix D. A single controller will be used for both wells. Plastic tubing will be used to transfer the liquid from the wells to dedicated storage tanks located at each well. The tanks will be fitted with sight-glasses in order for field personnel to record the actual recovery rates on a weekly basis. Tank contents will be transferred from these tanks to the existing steel LNAPL storage tanks as needed. The recorded information will be used to evaluate the system recovery efficiency on a monthly basis. Recovery efficiencies will be compared with historical recovery data.

Mr. Bradford Billings
EMNRD/OCD
August 22, 2022

The data will also be further evaluated to determine if there are more practical and effective LNAPL recovery system alternatives.

CONTACT

Kane is prepared, with your approval to begin the LNAPL Recovery Program immediately. If you have any questions or comments, please contact Alan Kane, P.E. at (281) 639-9590, or email: alanjkane@comcast.net.

Sincerely,

Alan Kane, P.E.
Kane Environmental Engineering, Inc.

Enclosures:

Tables

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

TABLES

TABLE 1
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Annual Monitoring Event			
Well ID	**BTEX**	**TPH DRO/GRO**	**Chloride**
MW 1	X	X	X
MW 2	X	X	X
MW-3	-	-	-
MW 4	X	X	X
MW 6	X	X	X
MW 7	X	X	X
MW-8	-	-	-
MW-9	-	-	-
MW 12	X	X	X
MW 13	X	X	X
MW 14	X	X	X
MW 16	X	X	X
MW 17	X	X	X
MW 18	X	X	X
MW-19	-	-	-
MW 20	X	X	X
MW 21	X	X	X
MW 22	X	X	X
MW 24	X	X	X
MW 26	X	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_{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	6/19/2002	1.74	0.024	<0.010	<0.010				97.5	458	
MW 1	10/9/2002	3.56	<0.010	<0.010	<0.010						
MW 1	8/12/2003	0.555	0.003	0.003	0.009						
MW 1	8/10/2004	1.5	<0.010	0.008	0.014				100	603	
MW 1	2/18/2005	1.74	<0.01	<0.01	<0.01				96.0	606	
MW 1	12/21/2005	4.4	<0.007	0.017 J	<0.008				74.6		
MW 1	4/11/2006	3.0	<0.002	6.3 J	<0.006				73.1		
MW 1	10/12/2006	1.4	0.051	0.02300	0.019				81.9		
MW 1	5/1/2007	2.3	<0.001	0.0046 J	0.0032 J				80.5	503	
MW 1	10/24/2007	1.7	0.0014 J	0.0039 J	0.003				83.7		
MW 1	5/21/2008	1.6	0.0055	0.0064	0.005 J				86.4		
MW 1	10/16/2008	1.5	0.0017 J	0.0083	0.0066 J				79.7		
MW 1	4/20/2009	1.7	0.0036 J	0.0076 J	0.0066 J				73.8		
MW 1	9/29/2009	3.1	0.0027	0.0022	0.0059				71.1		
MW 1	4/6/2010	4.0	<0.0040	0.0045 J	<0.012						
MW 1	10/7/2010	3.3	0.0032 J	0.0013 J	0.0031 J						
MW 1	4/26/2011	8.8	<0.0010	0.0022	0.0039	18.2	<0.050		62.5		
MW 1	10/20/2011	6.2	<0.200	<0.100	<0.100	<1.50	1.84		63.4		
MW 1	4/26/2012	3.94	<0.500	<0.250	<0.250	4.68	<1.50		67.7		
MW 1	11/9/2012	1.10	<0.020	<0.010	<0.010	<1.50	<1.50		64.1		
MW 1	4/25/2013	6.21	<0.100	<0.050	<0.050	6.57	<1.50				
MW 1	10/24/2013	6.19	<0.0400	<0.0200	<0.0200	6.62	<1.50	6.62			
MW 1	2/14/2014	7.25	<0.1000	<0.0500	<0.0500	5.00	<1.50	5.00			
MW 1	10/30/2014	6.59	<0.0500	<0.2500	<0.0250	10.00	<1.48	10.00			
MW 1	3/3/2015	5.56	<0.05000	<0.0250	<0.0250	6.58	<1.50	6.58			
MW 1	10/29/2015	1.49	<0.040000	<0.020000	<0.0200	2.07	<1.41	2.07			
MW 1	3/3/2016	1.50	<0.0400	<0.0200	<0.0200	2.24	<1.41	2.24			
MW 1	8/23/2016	3.59	<0.0200	<0.0200	<0.0200	1.99	<1.50	1.99			
MW 1	3/3/2017	0.0978	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 1	8/31/2017	2.34	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 1	4/5/2018	1.65	<0.00200	<0.00200	<0.00200	3.08	<1.50	3.08			
MW 1	8/29/2018	2.94	<0.00200	<0.00200	<0.00200	4.00	<1.50	4.00			
MW 1	1/29/2019	2.02	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 1	12/17/2019	0.84	<0.00020	<0.00021	<0.00037	3	<1.50	3			
MW 1	6/30/2022	0.0436	<0.000278	<0.000137	<0.000174	0.368	0.770	2.46	49.2		
MW 2	6/19/2002	1.15	<0.005	0.009	0.017				88.6	335	
MW 2	10/9/2002	1.73	<0.010	0.017	0.040						
MW 2	8/12/2003	0.947	<0.005	0.007	0.014						
MW 2	8/10/2004	0.149	0.001	0.001	0.003				78	361	
MW 2	2/18/2005	1.15	<0.010	0.0115	0.030				169		
MW 2	12/21/2005	15.0	4.0	0.760	0.700				62.4		
MW 2	4/11/2006	0.65	0.11	0.035	0.280				87.4		
MW 2	10/12/2006	1.10	0.19	0.017	0.029				81.1		
MW 2	5/7/2007	0.490	0.004 J	0.0023	0.009				80.8	469	
MW 2	10/24/2007	0.90	0.0007 J	0.004	0.016				79.8		
MW 2	5/21/2008	1.3	0.0035	0.004	0.014				100		
MW 2	10/16/2008	0.67	0.0013 J	0.0013 J	0.011 J				92.3		
MW 2	4/20/2009	0.74	0.0013 J	0.0013 J	0.015				63.5		
MW 2	9/29/2009	0.62	0.020	0.0043	0.015				67.8		
MW 2	4/6/2010	0.140	<0.0002	0.0002 J	0.0055						
MW 2	10/6/2010	0.200	0.035	0.0044	0.0087						
MW 2	4/21/2011	1.000	0.0033	<0.00020	<0.00070	1.99	0.051		62.0		
MW 2	10/19/2011	0.993	<0.00200	<0.00100	<0.00100	<1.50	2.04		106		
MW 2	4/26/2012	0.868	<0.500	<0.250	<0.250	<1.50	<1.50		129		
MW 2	11/12/2012	0.709	0.0224	0.0122	0.0317	<1.50	<1.50		140		
MW 2	4/25/2013	0.294	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 2	10/24/2013	0.583	<0.0100	<0.00500	<0.00500	<1.50	<1.50	<1.50			
MW 2	2/13/2014	0.174	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 2	10/30/2014	0.0281	<0.0020	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 2	3/3/2015	0.0712	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 2	10/29/2015	0.00325	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			

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	3/3/2016	0.00216	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 2	8/23/2016	0.0622	<0.00200	<0.00200	<0.00200	1.99	<1.50	<1.50			
MW 2	3/3/2017	0.0447	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	8/31/2017	0.757	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	4/5/2018	0.315	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	8/29/2018	0.249	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	1/29/2019	0.0061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	12/20/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 2	6/30/2022	0.0176	0.000278	<0.000137	<0.000174	0.405	0.0738	0.4788	98.4		
MW 3	6/20/2002	1.05	0.739	0.345	0.416				56.1		
MW 3	10/9/2002	4.8	1.24	0.088	0.178						
MW 3	8/11/2003	3.3	1.13	0.24	0.272						
MW 3	8/10/2004	2.57	1.190	0.185	0.222				49.6		
MW 3	2/18/2005										NS H2S
MW 3	12/20/2005										NS H2S
MW 3	4/11/2006	1.70	0.62	0.091	0.086				47.7		
MW 3	10/12/2006	5.30	1.8	0.16	0.240				60.2		
MW 3	5/3/2007	3.40	1.3	0.16	0.260				56.3	359	
MW 3	10/24/2007										NS no access
MW 3	5/20/2008	1.40	0.085	0.034	0.045				63		
MW 3	10/16/2008										No lab data
MW 3	4/16/2009	0.46	0.061	0.011	0.020				54.9		
MW 3	9/29/2009	0.50	0.091	0.012	0.019				52.8		
MW 3	4/6/2010	0.570	0.190	0.021	0.028						
MW 3	10/6/2010	0.430	0.160	0.017	0.025						
MW 3	4/21/2011	6.600	1.100	0.088	0.120	14.5	0.026 J		41.7		
MW 3	10/19/2011	7.05	0.372	0.391	0.480	11.1	2.200		43.8		
MW 3	4/24/2012										NS LNAPL
MW 3	11/12/2012	7.06	0.822	0.249	0.204	11.8	<1.50		43.5		
MW 3	4/26/2013	11.70	0.884	0.289	0.301	13.0	<1.50				
MW 3	10/22/2013										NS LNAPL
MW 3	2/11/2014										NS LNAPL
MW 3	10/27/2014										NS LNAPL
MW 3	2/24/2015										NS LNAPL
MW 3	10/28/2015										NS LNAPL
MW 3	2/29/2016										NS LNAPL
MW 3	8/23/2016	6.60	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW 3	3/3/2017										NS LNAPL
MW 3	8/30/2017										NS LNAPL
MW 3	4/5/2018										NS LNAPL
MW 3	8/29/2018										NS LNAPL
MW 3	1/29/2019										NS LNAPL
MW 3	12/20/2019										NS LNAPL
MW 3	6/30/2022										
MW 4	6/20/2002	0.001	<0.001	<0.001	<0.001				142	558	
MW 4	10/9/2002	0.705	<0.005	0.005	0.011						
MW 4	8/13/2003	2.39	<0.005	0.012	0.006						
MW 4	8/11/2004	3.73	0.0409	0.077	0.037				44.3	329	
MW 4	2/18/2005	6.85	0.004 J	0.043	0.024				43.0	312	
MW 4	12/20/2005	4.80	<0.001	0.035	0.018				50.5		
MW 4	4/12/2006	5.00	0.014	0.050	0.018 J				42.9		
MW 4	10/11/2006	6.30	0.0031 J	0.039	0.020				52.6		
MW 4	4/30/2007	14.00	0.0089 J	0.170	0.074				64.4	276	
MW 4	10/24/2007	14.00	0.012	0.180	0.067				53.4		
MW 4	5/19/2008	12.00	0.170	0.150	0.110				62.9		
MW 4	10/20/2008	17.00	1.1	0.580	2.200				63.4		
MW 4	4/15/2009	20.00	0.180	0.390	0.28 J				57.10		
MW 4	9/30/2009	18.00	0.110	0.320	0.140 J				56.70		
MW 4	4/6/2010	25.0	0.490	0.470	0.220 J						
MW 4	10/7/2010	20.0	0.500	0.370	0.200						
MW 4	4/26/2011	39.0	0.170	0.230	0.130	75.7	0.360		86.4		

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	10/20/2011	23.1	<0.200	0.128	<0.100	21.4	1.810		79		
MW 4	4/26/2012	16.6	<0.500	<0.250	<0.250	15.9	<1.50		77.1		
MW 4	11/7/2012	19.2	0.464	0.113	0.449	18.6	<1.50		70.7		
MW 4	4/26/2013	20.5	<0.200	<0.100	<0.100	18.8	<1.50				
MW 4	10/24/2013	19.6	<0.100	0.167	0.0595	21.7	<1.50	21.7			
MW 4	2/14/2014	19.9	<0.100	0.070	0.0500	30.5	<1.50	30.5			
MW 4	10/29/2014	26.2	<0.200	0.202	<0.100	34.0	<1.48	34.0			
MW 4	3/3/2015	23.4	<0.20001	0.177	<0.100	24.6	<1.50	24.6			
MW 4	10/28/2015	9.52	0.141	0.051	0.0550	15.7	<1.41	15.7			
MW 4	3/3/2016	5.77	0.0201	0.0450	0.0297	6.26	<1.41	6.26			
MW 4	8/24/2016	6.81	<0.100	<0.100	<0.100	5.88	<1.50	5.88			
MW 4	3/1/2017	4.20	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 4	8/31/2017	6.19	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 4	4/4/2018	12.80	<0.00200	0.00294	<0.00200	21.1	<1.50	21.1			
MW 4	8/28/2018	9.76	<0.20000	<0.20000	<0.20000	13.7	<1.50	13.7			
MW 4	1/29/2019	6.92	<0.20000	0.00228	0.00113	9.64	<1.50	<1.50			
MW 4	12/19/2019	11.00	0.004	0.044	0.030 J	28.00	<1.50	28			
MW 4	12/19/2019	12.00	0.004	0.044	0.030 J	33.00	<1.50	33			
MW 4	6/30/2022	12.7	0.000278	0.0212	0.00118	32.6	0.502	33.28	74.5		
MW 5	6/20/2002	0.002	<0.001	<0.001	<0.001				160	521	
MW 5	10/9/2002	0.489	<0.001	<0.001	<0.001						
MW 5	8/13/2003	0.361	0.002	0.001	0.002						
MW 5	8/12/2004	0.169	0.0005	0.0021	0.002				63.8	408	
MW 5	2/18/2005	0.125	<0.001	0.001 J	0.002				48.8	397	
MW 5	12/21/2005	0.30	<0.0007	0.002 J	0.002 J				36.1		
MW 5	4/12/2006	0.04	0.014	0.0055	0.006				26.9		
MW 5	10/12/2006	0.71	0.200	0.036	0.039				31.5		
MW 5	4/26/2007	0.013	<0.0002	<0.0002	<0.0006				26.7	303	
MW 5	10/23/2007	0.0083	<0.0002	<0.0002	<0.0006				25.6		
MW 5	5/20/2008	0.066	0.0012	0.0086	0.011				30.1		
MW 5	10/20/2008	0.012	0.0015	0.0003 J	<0.0006				37.3		
MW 5	4/21/2009	0.028	0.0007 J	0.0018	0.0015 J				27.2		
MW 5	9/29/2009	0.011	0.0008 J	<0.0002	<0.0006				25.9		
MW 5	4/6/2010	0.037	0.0004 J	0.0003 J	<0.0006						
MW 5	10/5/2010	0.019	<0.0002	<0.0002	<0.0006						
MW 5	4/21/2011	0.0014	0.0025	<0.00020	<0.00070	<0.020	<0.020		20.5		
MW 5	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.87		25.4		
MW 5	4/25/2012	0.0335	<0.00200	<0.00100	<0.00100	<1.50	<1.50		29.3		
MW 5	11/8/2012	0.00901	<0.00200	<0.00100	<0.00100	<1.50	1.68		27.8		
MW 5	4/25/2013	0.00819	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 5	10/23/2013	0.0176	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 5	2/13/2014	0.0574	<0.00200	<0.00100	0.00267	<1.50	<1.50	<1.50			
MW 5	10/29/2014	0.0031	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 5	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 5	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 5	3/3/2016										NS construction
MW 5	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	3/2/2017	0.00223	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	8/31/2017	0.0609	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 5	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	0.107	0.0317	1.79	47.4		
MW 6	6/20/2002	0.444	<0.001	<0.001	<0.001				28.4	329	
MW 6	10/9/2002	5.45	<0.010	<0.010	0.032						
MW 6	8/12/2003	1.63	<0.005	<0.005	0.010						
MW 6	8/10/2004	0.827	0.001	0.001	0.006				24.8	318	
MW 6	2/18/2005	1.62	<0.0050	<0.0050	0.000				31.9	368	
MW 6	12/21/2005	1.8	<0.001	<0.002	0.005 J				25.8		
MW 6	4/11/2006	1.5	0.330	0.043	0.049				49.5		

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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 6	10/12/2006	2.2	<0.001	0.0028 J	0.015				39.1		
MW 6	5/1/2007	0.850	0.0050 J	0.0028	0.007				26.3	282	
MW 6	10/24/2007	1.1	0.0005 J	0.0049	0.009				37.9		
MW 6	5/20/2008	0.940	0.0012	0.0073	0.015				24.1		
MW 6	10/16/2008	0.530	0.001 J	0.0023 J	0.0051 J				22.9		
MW 6	4/16/2009	1.4	0.0003 J	0.0027	0.011				22.1		
MW 6	9/29/2009	1.9	0.0035	0.0054	0.025				27		
MW 6	4/6/2010	1.600	0.0004 J	0.0083	0.028						
MW 6	10/7/2010	0.460	0.0051	0.0015	0.0063						
MW 6	4/21/2011	0.800	0.0031	<0.00020	0.00089 J	1.60	<0.020		27.5		
MW 6	10/20/2011	0.289	<0.00200	<0.00100	<0.00100	<1.50	2.21		40.9		
MW 6	4/27/2012	0.250	<0.00200	<0.00100	<0.00100	<1.50	<1.50		50.0		
MW 6	11/12/2012	0.807	<0.02000	<0.01000	<0.01000	<1.50	<1.50		52.1		
MW 6	4/26/2013	0.628	<0.01000	<0.00500	<0.00500	<1.50	<1.50				
MW 6	10/24/2013	1.04	<0.0100	<0.00500	<0.00500	2.10	<1.50	2.10			
MW 6	2/13/2014	0.23	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 6	10/30/2014	0.0392	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 6	3/3/2015	0.0355	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 6	10/29/2015	0.132	<0.0020	<0.00100	<0.00100	<1.51	<1.41	<1.51			
MW 6	3/3/2016	0.0177	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 6	8/24/2016	0.208	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	3/3/2017	0.0275	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	9/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	4/6/2018	0.109	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	8/29/2018	0.480	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW 6	1/29/2019	0.0188	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	12/20/2019	0.013	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 6	6/30/2022	0.00682	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2		
MW 7	6/20/2002	0.001	<0.001	<0.001	<0.001				31.9	337	
MW 7	10/9/2002	0.086	<0.001	<0.001	0.001						
MW 7	8/12/2003	0.241	<0.001	<0.001	0.002						
MW 7	8/10/2004	0.0436	<0.001	<0.001	<0.001				19.5	322	
MW 7	2/18/2005	0.0375	<0.001	<0.001	<0.001				23.5	387	
MW 7	12/21/2005	0.012	<0.0007	<0.0008	<0.0008				18.0		
MW 7	4/12/2006	0.1	0.043	0.0086	0.008				16.9		
MW 7	10/12/2006	0.13	0.0002 J	0.0006 J	0.0009 J				31.9		
MW 7	5/1/2007	<0.0002	<0.0002	<0.0002	<0.0006				18.4	293	
MW 7	10/24/2007	0.17	0.0003 J	0.010	0.004				18.5		
MW 7	5/20/2008	0.045	0.0009 J	0.0066	0.009				19.8		
MW 7	10/15/2008	0.0032	0.0003 J	<0.0002	<0.0006				18.2		
MW 7	4/16/2009	0.009	<0.0002	<0.0002	<0.0006				15.6		
MW 7	9/29/2009	0.0023	0.0009 J	<0.0002	<0.0006				16		
MW 7	4/5/2010	0.0040	0.0003 J	<0.0002	<0.0006						
MW 7	10/5/2010	0.0066	<0.0002	<0.0002	<0.0006						
MW 7	4/20/2011	<0.00020	0.0046	<0.00020	<0.00070	<0.020	<0.020		19.0		
MW 7	10/20/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		20.7		
MW 7	4/24/2012	<0.00100	0.00405	<0.00100	<0.00100	<1.50	<1.50		20.8		
MW 7	11/12/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		17.8		
MW 7	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 7	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 7	2/13/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 7	10/29/2014	0.00408	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 7	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 7	10/29/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 7	3/3/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 7	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	9/1/2017	1.05	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	4/6/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	8/29/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	1/29/2019	0.00061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

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Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C6-C36	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 7	12/20/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 7	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2		
MW 8	6/20/2002	1.23	<0.005	0.046	0.021				31.9	359	
MW 8	10/9/2002	0.579	<0.005	0.031	0.018						
MW 8	8/12/2003	0.673	0.001	0.010	0.013						
MW 8	8/10/2004	0.441	0.001	0.047	0.015				42.1	392	
MW 8	2/18/2005	2.32	0.010 J	0.048	0.021				56.3	532	
MW 8	12/21/2005	4.6	0.051	0.460	0.120				56.1		
MW 8	4/11/2006	3.4	0.170	0.170	0.072				50.6		
MW 8	10/12/2006	4.3	0.180	0.260	0.098				49.3		
MW 8	5/1/2007	4.1	0.016	0.200	0.093				48.9	429	
MW 8	10/24/2007	4.4	0.018	0.220	0.086				52.9		
MW 8	5/21/2008	1.7	0.049	0.038	0.033				48.2		
MW 8	10/16/2008	5.3	0.0068 J	0.140	0.081				53.6		
MW 8	4/20/2009	6.1	0.130	0.200	0.110				46.9		
MW 8	9/30/2009	4.0	0.0085	0.120	0.067				42.8		
MW 8	4/6/2010	2.9	0.120	0.091	0.062						
MW 8	10/5/2010										NS LNAPL
MW 8	4/18/2011										NS LNAPL
MW 8	10/18/2011										NS LNAPL
MW 8	4/23/2012										NS LNAPL
MW 8	11/5/2012										NS LNAPL
MW 8	4/23/2013										NS LNAPL
MW 8	10/22/2013										NS LNAPL
MW 8	2/11/2014										NS LNAPL
MW 8	10/27/2014										NS LNAPL
MW 8	2/24/2015										NS LNAPL
MW 8	10/26/2015										NS LNAPL
MW 8	2/29/2016										NS LNAPL
MW 8	8/22/2016										NS LNAPL
MW 8	3/3/2017										NS LNAPL
MW 8	8/31/2017	3.25	2.92	0.728	1.11	24.5	8.17	35.6			
MW 8	4/3/2018										NS LNAPL
MW 8	8/29/2018	3.62	1.37	0.292	0.40	24.8	2.85	27.7			
MW 8	1/29/2019	1.67	0.0147	0.0618	0.0886	6.77	1.02	7.79			
MW 8	12/16/2019										NS LNAPL
MW 8	6/30/2022										NS LNAPL
MW 9	10/9/2002	0.004	0.001	<0.001	0.023						
MW 9	8/12/2003	0.083	0.002	<0.001	0.007						
MW 9	8/10/2004	0.004	0.001	0.0003	0.002				230	915	
MW 9	2/18/2005	0.001 J	<0.001	0.0002 J	0.009				34.0	625	
MW 9	12/21/2005	0.001 J	<0.0007	<0.0008	0.019				23.9		
MW 9	4/11/2006	0.30	0.150	0.027	0.032				77.5		
MW 9	10/12/2006	0.46	0.093	0.025	0.025				58.8		
MW 9	5/1/2007	0.710	0.0005 J	0.0021	0.003				136	677	
MW 9	10/24/2007	0.11	<0.001	0.0057	0.012				31.2		
MW 9	5/21/2008	2.70	0.016	0.0072	0.0093 J				95.1		
MW 9	10/16/2008										NS no access
MW 9	4/20/2009	2.60	0.0075 J	0.017	0.012 J				110		
MW 9	9/30/2009	3.20	0.0021	0.0025	0.0023 J				141		
MW 9	4/6/2010	5.500	0.057	0.061	0.081						
MW 9	10/7/2010	3.100	0.027	0.072	0.013 J						
MW 9	4/26/2011	4.700	0.069	0.059	0.011	9.320	<0.050		155		
MW 9	10/18/2011										NS LNAPL
MW 9	4/23/2012										NS LNAPL
MW 9	11/5/2012										NS LNAPL
MW 9	4/23/2013										NS LNAPL
MW 9	10/22/2013										NS LNAPL
MW 9	2/11/2014										NS LNAPL
MW 9	10/27/2014										NS LNAPL
MW 9	2/24/2015										NS LNAPL

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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	10/26/2015										NS LNAPL
MW 9	2/29/2016										NS LNAPL
MW 9	8/22/2016										NS LNAPL
MW 9	3/3/2017										NS LNAPL
MW 9	8/30/2017										NS LNAPL
MW 9	4/3/2018										NS LNAPL
MW 9	8/29/2018										NS LNAPL
MW 9	1/29/2019										NS LNAPL
MW 9	12/19/2019										NS LNAPL
MW 9	6/30/2022										NS LNAPL
MW 10	10/8/2002	0.029	<0.001	<0.001	<0.001						
MW 10	8/12/2003	0.060	<0.001	<0.001	<0.001						
MW 10	8/11/2004	0.050	0.0002	0.0004	0.001				35.4	328	
MW 10	2/18/2005	0.022	<0.001	<0.001	<0.001				36.5	380	
MW 10	12/20/2005	0.024	<0.0007	0.002 J	0.002 J				48.1		
MW 10	4/11/2006	0.0033	0.0003 J	<0.0002	<0.0006				38.4		
MW 10	10/11/2006	0.0037	<0.0002	<0.0002	<0.0006				33.3		
MW 10	4/26/2007	0.0002 J	<0.0002	<0.0002	<0.0006				41.8	311	
MW 10	10/22/2007	<0.0002	<0.0002	<0.0002	<0.0006				30.2		
MW 10	5/16/2008	0.0041	<0.0002	0.001	<0.0006				32.5		
MW 10	10/14/2008	<0.005	0.0003 J	<0.0002	<0.0006				33.1		
MW 10	4/16/2009	0.034	0.0005 J	0.002	0.0015 J				31.7		
MW 10	9/29/2009	0.0032	0.0018	0.0005 J	<0.0006				30.9		
MW 10	4/6/2010	0.0044	0.0003 J	<0.0002	<0.0006						
MW 10	10/5/2010	0.0051	<0.0002	<0.0002	<0.0006						
MW 10	4/20/2011	<0.00020	0.0015	<0.00020	<0.00070	<0.020	<0.020		42.7		
MW 10	10/20/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.0		
MW 10	4/25/2012	<0.00100	0.00311	<0.00100	<0.00100	<1.50	<1.50		37.5		
MW 10	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		30.1		
MW 10	4/24/2013	<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	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 10	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 10	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 10	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 10	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 10	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 10	6/30/2022	Damaged	not	sampled							
MW 11	10/8/2002	<0.001	<0.001	<0.001	<0.001						
MW 11	8/13/2003	<0.001	<0.001	<0.001	<0.001						
MW 11	8/11/2004	<0.001	<0.001	<0.001	<0.001				47.9	340	
MW 11	2/18/2005	<0.001	<0.001	<0.001	<0.001				50.1	441	
MW 11	12/20/2005	0.0006 J	<0.0007	<0.0008	<0.0008				43.1		
MW 11	4/11/2006	0.0009 J	0.0002 J	<0.0002	<0.0006				39.8		
MW 11	10/11/2006	0.0005 J	0.0003 J	<0.0002	<0.0006				56.1		
MW 11	4/26/2007	0.0003 J	<0.0002	<0.0002	<0.0006				70.6	268	
MW 11	10/22/2007	<0.0002	<0.0002	<0.0002	<0.0006				38.7		
MW 11	5/14/2008	0.0014	<0.0002	0.0007 J	<0.0006				65		
MW 11	10/14/2008	0.0003 J	0.0002 J	<0.0002	<0.0006				97.4		
MW 11	4/16/2009										Destroyed
MW 12	10/8/2002	<0.001	<0.001	<0.001	<0.001						
MW 12	8/13/2003	<0.001	<0.001	<0.001	<0.001						
MW 12	8/11/2004	<0.001	<0.001	<0.001	<0.001				40.8	324	
MW 12	2/18/2005	0.001 J	<0.001	<0.001	<0.001				45.2	378	
MW 12	12/20/2005	<0.0005	<0.0007	<0.0008	<0.0008				41.3		

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	4/11/2006	0.0007 J	<0.0002	<0.0002	<0.0006				37.2		
MW 12	10/11/2006	<0.0002	0.0002 J	<0.0002	<0.0006				103		
MW 12	4/26/2007	<0.0002	<0.0002	<0.0002	<0.0006				41	263	
MW 12	10/22/2007	0.0002 J	<0.0002	<0.0002	<0.0006				65.2		
MW 12	5/14/2008	0.0009 J	<0.0002	0.0006 J	<0.0006				45.9		
MW 12	10/14/2008	0.0002 J	0.0003 J	0.0002 J	<0.0006				49.2		
MW 12	4/16/2009	0.066	0.0008 J	0.0028	0.0021 J				46.4		
MW 12	9/30/2009	0.0045	0.0024	0.0006 J	0.0006 J				40.1		
MW 12	4/6/2010	0.0005 J	<0.0002	<0.0002	<0.0006						
MW 12	10/6/2010	0.0012	<0.0002	<0.0002	<0.0006						
MW 12	4/19/2011	<0.00020	0.0043	<0.00020	<0.00070	<0.020	<0.020		45.5		
MW 12	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		46.3		
MW 12	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		45.1		
MW 12	11/12/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.5		
MW 12	4/23/2013										NS well
MW 12	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 12	2/11/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 12	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 12	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	6.32	6.32			
MW 12	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 12	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 12	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		529	
MW 12	8/29/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 12	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0559	<0.0118	40.9		
MW 13	10/8/2002	0.065	<0.001	<0.001	<0.001						
MW 13	8/13/2003	0.060	0.002	<0.001	<0.001						
MW 13	8/11/2004	0.004	<0.001	<0.001	<0.001				62.0	400	
MW 13	2/18/2005	0.003	<0.001	<0.001	<0.001				72.4	427	
MW 13	12/20/2005	0.038	<0.0007	<0.0008	<0.0008				86.4		
MW 13	4/12/2006	0.170	0.015	0.005	0.005				115		
MW 13	10/11/2006	0.0039	<0.0002	<0.0002	<0.0006				103		
MW 13	5/3/2007	0.031	0.0005 J	0.0008 J	0.0011 J				114	495	
MW 13	10/22/2007										NS obstructed
MW 13	5/20/2008	0.380	0.0062	0.0049	0.004				112		
MW 13	10/20/2008	0.028	0.0018	0.0003 J	0.0008 J				114		
MW 13	4/16/2009	0.037	<0.0002	<0.0002	0.0007 J				112		
MW 13	9/30/2009	0.025	0.0015	0.0007 J	0.0022 J				101		
MW 13	4/6/2010	0.0030	0.0002 J	<0.0002	<0.0006						
MW 13	10/5/2010	0.0042	<0.0002	<0.0002	<0.0006						
MW 13	4/20/2011	<0.00020	0.0016	<0.00020	<0.00070	<0.020	<0.020		76.5		
MW 13	10/20/2011	0.00139	<0.00200	<0.00100	<0.00100	<1.50	<1.50		75.0		
MW 13	4/26/2012	0.00158	0.00288	<0.00100	<0.00100	<1.50	<1.50		81.1		
MW 13	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.7		
MW 13	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 13	10/24/2013	0.0192	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 13	2/11/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 13	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 13	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 13	10/27/2015	<0.00100	<0.00200	<0.00100		<1.41	<1.41	<1.41			
MW 13	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 13	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	3/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	4/4/2018	0.00202	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	1/30/2019	<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 C6-C36	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	12/18/2019	<0.00018	<0.00020	<0.00021	<0.000237	<1.50	<1.50	<1.50			
MW 13	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0551	1.35	76.9		
MW 14	10/9/2002	3.63	0.014	0.098	0.187						
MW 14	8/13/2003	1.65	0.014	0.165	0.260						
MW 14	8/11/2004	0.786	0.0464	0.172	0.227				111	791	
MW 14	2/18/2005	1.34	0.0378	0.159	0.178				103	916	
MW 14	12/20/2005	2.80	0.049	0.750	0.670				82.1		
MW 14	4/12/2006	0.93	0.053	0.055	0.053				30.7		
MW 14	10/12/2006										NS
MW 14	4/30/2007	0.880	0.005 J	0.200	0.280				29.8	669	
MW 14	10/23/2007	0.77	0.0057	0.160	0.210				21.8		
MW 14	5/20/2008	0.970	0.0067	0.180	0.210				20.1		
MW 14	10/20/2008	1.50	0.027	0.220	0.270				26.2		
MW 14	4/16/2009	0.86	0.0051	0.140	0.240				17.2		
MW 14	9/29/2009	0.56	0.012	0.057	0.160				14.8		
MW 14	4/6/2010	0.540	0.0042	0.083	0.180						
MW 14	10/6/2010	0.170	0.028	0.0068	0.086						
MW 14	4/20/2011	0.460	0.0022	0.00088 J	0.0035	1.04	0.69		31.4		
MW 14	10/19/2011	1.48	<0.200	<0.100	<0.100	<1.50	1.560		55.9		
MW 14	4/26/2012	0.487	<0.0400	<0.0200	<0.0200	<1.50	<1.50		55.8		
MW 14	11/7/2012	0.104	<0.00200	<0.00100	<0.00100	<1.50	<1.50		69.7		
MW 14	4/25/2013	0.203	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 14	10/24/2013	0.162	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 14	2/13/2014	0.128	<0.00200	<0.00100	0.00300	<1.50	<1.50	<1.50			
MW 14	10/29/2014	0.00813	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 14	3/2/2015	0.0194	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 14	10/28/2015	0.0186	<0.00200	<0.00100	<0.00100	<1.41	<2.13	<2.13			
MW 14	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	1.9	<1.41	1.9			
MW 14	8/24/2016	0.00676	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	3/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	4/4/2018	0.00766	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	1/30/2019	0.00904	<0.00200	<0.00200	<0.00200	0.002	<1.50	<1.50			
MW 14	12/19/2019	0.001	<0.00020	<0.00021	0.00080 J	<1.50	<1.50	<1.50			
MW 14	6/30/2022	<0.000113	<0.0050	<0.000137	<0.000174	0.221	0.302	983	12.1		
MW 15	10/9/2002	<0.001	<0.001	<0.001	<0.001						
MW 15	8/13/2003	<0.001	<0.001	<0.001	<0.001						
MW 15	8/12/2004	<0.001	<0.001	<0.001	<0.001				60.3	450	
MW 15	2/18/2005	<0.001	<0.001	<0.001	<0.001				78.0	462	
MW 15	12/20/2005	0.006	<0.0007	0.003 J	0.002 J				79.2		
MW 15	4/12/2006	0.58	0.054	0.018	0.016				54.8		
MW 15	10/11/2006	0.034	<0.0002	0.0008 J	<0.0006				91.6		
MW 15	4/30/2007	0.0005 J	<0.0002	<0.0002	<0.0006				94.7	433	
MW 15	10/23/2007	0.0011	<0.0002	<0.0002	<0.0006				88.3		
MW 15	5/19/2008	<0.0002	<0.0002	0.0003 J	<0.0006				99.5		
MW 15	10/14/2008	0.0012	0.0021	0.0007 J	0.0016 J				78.6		
MW 15	4/15/2009	<0.0002	<0.0002	<0.0002	<0.0006				79.7		
MW 15	9/29/2009	0.0065	0.0030	0.0007 J	0.0008 J				84.0		
MW 15	4/5/2010	0.0082	0.0003 J	<0.0002	0.0007 J						
MW 15	10/5/2010	0.029	<0.0002	<0.0002	0.0011 J						
MW 15	4/26/2011	<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	2/12/2014	0.00134	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 15	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 15	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 15	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

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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 C6-C36	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	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 15	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 15	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0519	0.14	51.3		
MW 16	10/23/2003	<0.001	<0.001	<0.001	<0.001				60.3	381	
MW 16	8/12/2004	<0.001	<0.001	<0.001	<0.001				56.6	346	
MW 16	2/18/2005	<0.001	<0.001	<0.001	<0.001				60.0	596	
MW 16	12/20/2005	0.007	<0.0007	0.002 J	0.001 J				48.3		
MW 16	4/12/2006	0.11	0.024	0.011	0.010				33.3		
MW 16	10/11/2006	0.064	<0.0002	0.001	0.0006 J				49.3		
MW 16	4/26/2007	0.001 J	<0.0002	<0.0002	<0.0006				59.5	176	
MW 16	10/23/2007	<0.0002	<0.0002	<0.0002	<0.0006				46.4		
MW 16	5/19/2008	0.0007 J	<0.0002	0.0004 J	<0.0006				53.6		
MW 16	10/14/2008	0.0007 J	0.0025	0.0005 J	0.0012 J				57.1		
MW 16	4/15/2009	<0.0002	<0.0002	<0.0002	<0.0006				49.1		
MW 16	9/29/2009	0.0094	0.0037	0.0007 J	0.0008 J				51.8		
MW 16	4/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
MW 16	10/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
MW 16	4/19/2011	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		53.1		
MW 16	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.64		53.6		
MW 16	4/24/2012	<0.00100	0.00333	<0.00100	<0.00100	<1.50	<1.50		84.1		
MW 16	11/7/2012	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50		53.7		
MW 16	4/24/2013	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50				
MW 16	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 16	2/12/2014	0.00431	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 16	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 16	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 16	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 16	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 16	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	2/1/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 16	6/30/2022	0.000107	<0.000278	<0.000137	<0.000174	<0.0314	0.0316	0.115	69.1		
MW 17	10/23/2003	<0.001	<0.001	<0.001	<0.001				292	1,090	
MW 17	8/12/2004	<0.001	<0.001	<0.001	<0.001				230	894	
MW 17	2/18/2005	<0.001	<0.001	<0.001	<0.001				160	758	
MW 17	12/20/2005	0.053	<0.004	<0.004	<0.004				116		
MW 17	4/12/2006	0.5	0.07	0.012	0.013				55.4		
MW 17	10/11/2006	0.17	<0.0002	0.0024	0.0014 J				154		
MW 17	4/30/2007	0.001	<0.0002	<0.0002	<0.0006				145	668	
MW 17	10/23/2007	0.0029	<0.0002	<0.0002	<0.0006				117		
MW 17	5/19/2008	0.0005 J	<0.0002	0.0003 J	<0.0006				133		
MW 17	10/14/2008	0.0007 J	0.0022	0.0005 J	0.0012 J				144		
MW 17	4/15/2009	<0.0002	<0.0002	<0.0002	<0.0006				77.2		
MW 17	9/29/2009	0.0081	0.0034	0.0008 J	0.0012 J				46.3		
MW 17	4/5/2010	0.270	<0.0002	0.0005 J	0.0080						
MW 17	10/5/2010	1.300	<0.0002	0.0017	0.021						
MW 17	4/26/2011	0.220	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		33.4		
MW 17	10/20/2011	0.127	<0.00200	<0.00100	<0.00100	<1.50	1.87		28.2		
MW 17	4/26/2012	0.203	<0.0400	<0.0200	<0.0200	<1.50	<1.50		30.6		
MW 17	11/7/2012	0.243	<0.00200	<0.00100	0.00261	<1.50	<1.50		34.3		
MW 17	4/25/2013	6.980	<0.20000	<0.10000	<0.10000	<8.20	<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 17	10/24/2013	12.1	<0.100	<0.0500	0.0710	11.1	<1.50	<11.10			
MW 17	2/14/2014	19.8	<0.100	<0.0500	0.0500	20.9	<1.50	20.9			
MW 17	10/30/2014	22.3	<0.200	<0.100	<0.100	24.7	<1.48	24.7			
MW 17	3/3/2015	23.8	<0.200	<0.100	<0.101	29.9	<1.50	29.9			
MW 17	10/28/2015	18.8	<0.100	<0.128	0.5890	27.4	<1.41	27.4			
MW 17	3/2/2016	0.279	<0.00200	<0.00100	<0.00100	13.9	<1.41	13.9			
MW 17	8/24/2016	0.0927	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 17	3/1/2017	0.336	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 17	8/30/2017	4.32	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 17	4/4/2018	2.50	<0.00200	<0.00200	<0.00200	5.23	<1.50	5.23			
MW 17	9/4/2018	0.463	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW 17	1/31/2019	2.22	0.00041	<0.00200	0.00071	4.00	<1.50	<1.50			
MW 17	12/19/2019	6.9	0.00040	0.0076 J	0.016 J	23.00	<1.50	23			
MW 17	6/30/2022	6.65	<0.000279	<0.000684	<0.000528	12.9	0.336	13.394			
MW 18	10/23/2003	0.07	<0.001	<0.001	<0.001				81.5	637	
MW 18	8/11/2004	0.307	<0.001	<0.001	0.001				92.2	641	
MW 18	2/18/2005	0.430	<0.001	<0.001	<0.001				98.2	782	
MW 18	12/20/2005	0.530	<0.0007	0.005	0.010				102		
MW 18	4/12/2006	0.180	0.017	0.015	0.016				89.2		
MW 18	10/12/2006	0.042	<0.0002	<0.0002	<0.0006				104		
MW 18	4/30/2007	0.180	<0.0002	<0.0002	0.0013 J				105	665	
MW 18	10/23/2007	0.260	<0.0002	<0.0002	0.0014 J				92.5		
MW 18	5/19/2008	0.460	0.011	0.0098	0.008				110		
MW 18	10/20/2008	0.110	0.0005 J	0.0009 J	0.0018 J				115		
MW 18	4/16/2009	0.140	0.0013	0.0037	0.0028 J				97.1		
MW 18	9/30/2009	0.0099	0.0029	0.0007 J	0.0008 J				100		
MW 18	4/6/2010	0.0045	<0.0002	<0.0002	<0.0006						
MW 18	10/6/2010	0.0015	<0.0002	<0.0002	<0.0006						
MW 18	4/19/2011	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		73.9		
MW 18	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		48.0		
MW 18	4/25/2012	<0.00100	0.00310	<0.00100	<0.00100	<1.50	<1.50		105		
MW 18	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		68.7		
MW 18	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 18	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 18	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 18	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 18	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 18	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 18	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 18	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	3/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	4/4/2018	0.00506	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	1/29/2019	0.00043	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 18	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.201	0.825			
MW 19	10/22/2003	1.99	0.334	0.089	0.115				62.0	554	
MW 19	8/9/2004	11.7	2.9	0.408	0.387				44.3	492	
MW 19	2/18/2005	10.8	2.16	0.183	0.145				56.6	369	
MW 19	12/21/2005	23.0	5.4	0.850	0.930				36.7		
MW 19	4/11/2006	16.0	2.4	0.320	0.360				52.8		
MW 19	10/12/2006	11.0	2.0	0.350	0.400				53.6		
MW 19	5/1/2007	13.0	2.0	0.370	0.440				64.2	377	
MW 19	10/24/2007	11.0	1.1	0.350	0.430				62.2		
MW 19	5/8/2008										NS LNAPL
MW 19	10/8/2008										NS LNAPL
MW 19	4/16/2009										NS LNAPL
MW 19	9/28/2009										NS LNAPL
MW 19	4/5/2010										NS LNAPL
MW 19	10/5/2010										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 19	4/18/2011										NS LNAPL
MW 19	10/18/2011										NS LNAPL
MW 19	4/23/2012										NS LNAPL
MW 19	11/5/2012										NS LNAPL
MW 19	4/23/2013										NS LNAPL
MW 19	10/22/2013										NS LNAPL
MW 19	2/11/2014										NS LNAPL
MW 19	10/27/2014										NS LNAPL
MW 19	2/24/2015										NS LNAPL
MW 19	10/26/2015										NS LNAPL
MW 19	2/29/2016										NS LNAPL
MW 19	8/22/2016										NS LNAPL
MW 19	3/3/2017										NS LNAPL
MW 19	8/30/2017										NS LNAPL
MW 19	4/3/2018										NS LNAPL
MW 19	8/27/2018										NS LNAPL
MW 19	1/29/2019										NS LNAPL
MW 19	12/19/2019										NS LNAPL
MW 19	6/30/2022										NS LNAPL
MW 20	10/23/2003	<0.001	<0.001	<0.001	<0.001				42.5	441	
MW 20	8/11/2004	<0.001	<0.001	<0.001	<0.001				21.3	349	
MW 20	2/18/2005	<0.001	<0.001	<0.001	<0.001				21.1	446	
MW 20	12/20/2005	0.004 J	<0.0007	0.001 J	0.0008 J				18.2		
MW 20	4/11/2006	0.0004 J	<0.0002	<0.0002	<0.0006				17.4		
MW 20	10/11/2006	0.0005 J	<0.0002	<0.0002	<0.0006				21.7		
MW 20	4/26/2007	<0.0002	<0.0002	<0.0002	<0.0006				19.1	322	
MW 20	10/22/2007	<0.0002	<0.0002	<0.0002	<0.0006				17.2		
MW 20	5/14/2008	0.0037	<0.0002	0.0012	<0.0006				17.5		
MW 20	10/15/2008	0.0004 J	0.0004 J	<0.0002	<0.0006				19.1		
MW 20	4/16/2009	0.04	0.0006 J	0.0021	0.0016 J				18.3		
MW 20	9/28/2009	0.0086	0.0034	0.0007 J	0.0008 J				16.5		
MW 20	4/6/2010	0.0011	<0.0002	<0.0002	<0.0006						
MW 20	10/6/2010	0.0022	<0.0002	<0.0002	<0.0006						
MW 20	4/19/2011	<0.00020	0.0039	<0.00020	<0.00070	<0.020	<0.020		15.6		
MW 20	10/20/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		15.6		
MW 20	4/25/2012	<0.00100	0.00452	<0.00100	<0.00100	<1.50	<1.50		16.5		
MW 20	11/9/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		13.3		
MW 20	4/25/2013	<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	2/13/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 20	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 20	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 20	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 20	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 20	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 20	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.024	36.6		
MW 21	10/23/2003	<0.001	<0.001	<0.001	<0.001				40.8	455	
MW 21	8/12/2004	<0.001	<0.001	<0.001	<0.001				31.9		
MW 21	2/18/2005	<0.001	<0.001	<0.001	<0.001				35.4	405	
MW 21	12/21/2005	0.01	<0.0007	0.002 J	0.002 J				43.7		
MW 21	4/12/2006	0.02	0.010	0.004	0.004				22.0		
MW 21	10/12/2006	0.30	0.140	0.026	0.029				38.7		
MW 21	4/30/2007	<0.0002	<0.0002	<0.0002	<0.0006				20.3	306	
MW 21	10/23/2007	<0.0002	<0.0002	<0.0002	<0.0006				20.6		
MW 21	5/19/2008	0.0018	<0.0002	0.0006 J	<0.0006				26.8		

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	10/20/2008	0.0098	0.0027	0.0002 J	<0.0006				22.3		
MW 21	4/21/2009	0.031	0.0009 J	0.0022	0.0018 J				19.1		
MW 21	9/28/2009										NS construction
MW 21	4/5/2010										NS construction
MW 21	10/6/2010	0.0007 J	<0.0002	<0.0002	<0.0006						
MW 21	4/21/2011	<0.00020	0.0023	<0.00020	<0.00070	<0.020	<0.020		37.7		
MW 21	10/18/2011										NS Chevron
MW 21	4/24/2012	<0.00100	0.00424	<0.00100	<0.00100	<1.50	<1.50		69.4		
MW 21	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		63.8		
MW 21	4/25/2013	<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	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 21	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 21	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 21	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 21	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 21	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	252	683	
MW 21	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	263	972	
MW 21	12/17/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50	240 B	1100	
MW 21	6/30/2022	0.000169	<0.000278	<0.000137	<0.000174	<0.0314	<0.0618	0.142	92.4		
MW 22	10/23/2007	0.0005 J	<0.0002	<0.0002	<0.0006				172		
MW 22	5/19/2008	0.0008 J	<0.0002	0.0004 J	<0.0006				171		
MW 22	10/14/2008	0.0021	0.003	0.0018	0.004				185		
MW 22	4/15/2009	0.0003 J	<0.0002	<0.0002	<0.0006				353		
MW 22	9/28/2009	0.0046	0.0023	0.0006 J	0.0007 J				249		
MW 22	4/5/2010	0.0027	0.0002 J	<0.0002	<0.0006						
MW 22	10/5/2010	0.012	<0.0002	<0.0002	0.0007 J						
MW 22	4/21/2011	<0.00020	0.0028	<0.00020	<0.00070	<0.020	<0.020		544		
MW 22	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		396		
MW 22	4/25/2012	<0.00100	0.00447	<0.00100	<0.00100	<1.50	<1.50		401		
MW 22	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		263		
MW 22	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		116		
MW 22	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 22	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		164		
MW 22	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	242		
MW 22	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48	350		
MW 22	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 22	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 22	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 22	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	85.8	452	
MW 22	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	253	792	
MW 22	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	753	2420	
MW 22	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		836	
MW 22	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 22	2/1/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 22	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 22	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.103	0.281	39.6		
MW 23	10/23/2007	0.0002 J	<0.0002	<0.0002	<0.0006				108		
MW 23	5/15/2008	0.0041	<0.0002	0.0006 J	<0.0006				60.5		
MW 23	10/14/2008	0.0027	0.0046	0.0009 J	0.0021 J				66.8		
MW 23	4/14/2009	<0.0002	<0.0002	<0.0002	<0.0006				73.2		
MW 23	9/28/2009	0.011	0.004	0.0009 J	0.001 J				107		
MW 23	4/5/2010	<0.0002	0.0004 J	<0.0002	<0.0006						
MW 23	10/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
MW 23	4/19/2011	<0.00020	0.0034	<0.00020	<0.00070	<0.020	<0.020		75.5		
MW 23	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		110		
MW 23	4/25/2012	<0.00100	0.00380	<0.00100	<0.00100	<1.50	<1.50		130		

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	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		151		
MW 23	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 23	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 23	2/12/2014	0.01970	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 23	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 23	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 23	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 23	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 23	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	2/1/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 23	6/30/2022	Unable to	Locate								
MW 24	10/22/2007	0.0026	<0.0002	<0.0002	<0.0006				80.4		
MW 24	5/15/2008	0.023	<0.0002	0.0007 J	<0.0006				28.8		
MW 24	10/15/2008	0.002	0.0003 J	<0.0002	<0.003				33.4		
MW 24	4/16/2009	0.079	0.0009 J	0.0028	0.0022 J				30		
MW 24	9/28/2009	0.0067	0.0024	0.0006 J	0.0007 J				28.5		
MW 24	4/6/2010	0.590	0.028	0.037	0.022						
MW 24	10/6/2010	0.0030	<0.0002	<0.0002	<0.0006						
MW 24	4/20/2011	<0.00020	0.0024	<0.00020	<0.00070	<0.020	<0.020		61.6		
MW 24	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		59.5		
MW 24	4/25/2012	<0.00100	0.00302	<0.00100	<0.00100	<1.50	<1.50		87.4		
MW 24	11/9/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		89.6		
MW 24	4/24/2013	<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	2/13/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 24	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 24	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 24	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 24	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 24	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	4/4/2018	0.00289	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	12/17/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 24	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.129	0.182			
MW 25	6/4/2015	<0.00100	<0.00200	<0.00100	<0.00100			<0			
MW 25	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 25	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 25	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 25	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.035	0.085	84.8		
MW 26	6/4/2015	0.11200	<0.00200	<0.00149	<0.00900			<0			
MW 26	10/29/2015	0.03420	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 26	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 26	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	3/2/2017	0.01580	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	8/30/2017	0.00639	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	9/5/2018	<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	1/30/2019	0.00112	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	12/17/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 26	6/30/2022	0.000268	<0.000278	<0.000137	<0.000174	<0.0314	0.0723	<0.0118	60.6		
EW 1	10/4/2010										NS LNAPL
EW 1	4/18/2011										NS LNAPL
EW 1	10/18/2011										NS LNAPL
EW 1	4/23/2012										NS LNAPL
EW 1	11/5/2012										NS LNAPL
EW 1	4/23/2013										NS LNAPL
EW 1	10/22/2013										NS LNAPL
EW 1	2/11/2014										NS LNAPL
EW 1	10/27/2014										NS LNAPL
EW 1	2/24/2015										NS LNAPL
EW 1	10/26/2015										NS LNAPL
EW 1	2/29/2016										NS LNAPL
EW 1	8/23/2016	0.451	0.0108	0.0342	0.0694	2.29	2.11	4.40			
EW 1	3/3/2017	0.379	0.00957	0.0202	0.0384	3.93	2.98	6.91			
EW 1	8/30/2017										NS LNAPL
EW 1	4/3/2018										NS LNAPL
EW 1	8/27/2018										NS LNAPL
EW 1	1/29/2019										NS LNAPL
EW 1	12/19/2019										NS LNAPL
EW 1	6/30/2022										NS LNAPL
TW 11	4/5/2010	<0.00020	<0.0002	<0.0002	<0.0006						
TW 11	10/5/2010	<0.00020	<0.0002	<0.0002	<0.0006						
TW 11	4/19/2011	<0.00020	0.0035	<0.00020	<0.00070	<0.020	<0.020		90.1		
TW 11	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.7		
TW 11	4/26/2012	<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	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 11	2/11/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 11	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
TW 11	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 11	10/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 11	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 11	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW 11	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.1	0.185	143		
TW 13	4/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
TW 13	10/4/2010	<0.0002	<0.0002	<0.0002	<0.0006						
TW 13	4/19/2011	<0.00020	0.0036	<0.00020	<0.00070	<0.020	<0.020		94.8		
TW 13	10/18/2011	0.0311	<0.00200	<0.00100	<0.00100	<1.50	1.69		90.2		
TW 13	4/26/2012	<0.00100	0.00339	<0.00100	<0.00100	<1.50	<1.50		83.0		
TW 13	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		64.8		
TW 13	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW 13	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 13	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 13	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW 13	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 13	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	4/4/2018	0.00292	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	1/29/2019	<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*	
TW 13	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW 13	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.132	0.19	102		
TW 20	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		53.5		
TW 20	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW 20	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 20	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 20	10/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW 20	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 20	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW 20	Plugged & Abandon April 2020										
Dup 1 (MW 24)	4/16/2009	0.077	0.0009 J	0.0028	0.0022 J				29.7		
Dup 2 (MW 3)	4/16/2009	0.46	0.067	0.011	0.019				51.5		
Dup 100 (MW 18)	9/30/2009	0.0096	0.0030	0.0007 J	0.0008 J				97.6		
Dup 200 (MW 4)	9/30/2009	17.00	0.110	0.310	0.140 J				56.7		
Dup 100 (MW 12)	4/6/2010	0.0005 J	<0.0002	<0.0002	<0.0006						
Dup 101 (MW 4)	4/6/2010	25.000	0.500	0.460	0.220 J						
Dup 1 (MW 20)	10/6/2010	0.0023	<0.0002	<0.0002	<0.0006						
Dup 2 (MW 1)	10/7/2010	3.400	0.0032 J	0.0011 J	<0.0030						
DUP1 (MW 12)	4/19/2011	<0.00020	0.0042	<0.00020	<0.00070	<0.020	<0.020		43.1		
DUP2 (MW 10)	4/20/2011	<0.00020	0.0021	<0.00020	<0.00070	<0.020	<0.020		43.3		
Dup 1 (MW 16)	10/18/2011	0.00105	<0.00200	<0.00100	<0.00100	<1.50	1.85		56.3		
Dup 2 (MW 4)	10/20/2011	21.8	<0.0500	0.0750	0.0560	20.2	2.16		77.3		
Trip Blank	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100						
Dup 04 (MW 20)	4/25/2012	<0.00100	0.00445	<0.00100	<0.00100	<1.50	<1.50		16.5		
Trip Blank	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup 2 (MW 4)	4/26/2012	17.0	<0.00100	<0.250	<0.250	15.7			77.0		
Dup1 (TW 20)	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup2 (TW 13)	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	11/9/2012	<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)	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 1)	10/24/2013	6.10	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Trip Blank	10/24/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW 13)	2/10/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 5)	2/12/2014	0.05590	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW 17)	2/14/2014	18.80000	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Trip Blank	2/14/2014	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW 18)	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dup2 (MW 17)	10/30/2014	23.4	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dup1 (MW 16)	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 7)	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW 2)	3/3/2015	0.0922	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 7)	2/26/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup1 (MW 16)	2/26/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup 1 (MW 16)	10/27/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 1 (MW 16)	10/27/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
DUP 2 (MW 26)	10/29/2015	0.0397	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 1 (MW 23)	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 2 (MW 26)	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 3 (MW 1)	3/3/2016	1.23	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			

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)	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 2 (MW 20)	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 3 (MW 25)	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 1 (MW 23)	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 2 (MW 24)	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 3 (MW 12)	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 5)	8/31/2017	0.0993	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 6)	9/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (TW 20)	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 15)	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 25)	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 7)	4/6/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 7)	8/29/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 15)	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 24)	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 4)	12/19/2019	12.00	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dup (MW 14)	1/30/2019	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (MW 23)	2/1/2019	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (TW 20)	1/31/2019	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

Appendix C

Field Methodology

FIELD METHODOLOGY

Groundwater Sampling

Field equipment was decontaminated with an soap wash and distilled water rinse before beginning field activities and between wells.

Prior to sampling, static fluid water levels were measured with an electronic interface probe to the nearest hundredth of a foot and recorded. The existing Hydrasleeve™ were removed from each well. New Hydrasleeve™ samplers were deployed in each well. The wells were allowed to equilibrate over night. The next day discrete samples were collected from each well. All non-disposable groundwater sampling equipment was thoroughly decontaminated between measurements to prevent possible cross-contamination between wells. Laboratory-supplied sample containers were filled directly from the Hydrasleeve™.

Groundwater samples were placed on ice in insulated coolers and chilled to a temperature of approximately 4°C. The coolers were sealed for shipment with proper chain-of-custody documentation. Groundwater samples were submitted by Kane under chain-of-custody (COC) protocol to Pace Analytical for analysis of BTEX by EPA Method 8260B and TPH diesel range organics (DRO) EPA Method 8015D/ gasoline range organics (GRO) by Method SW8015B and chloride 9056A. Chain of custody documentation was maintained throughout the sample collection and delivery process. Analysis were completed within required holding times.

Appendix D

Geotech Hydrocarbon Recovery System

geotech

Hydrocarbon Recovery System

Geotech Single & Multi-Well AC Sipper

The Geotech AC Sipper is a Single-Phase, 110-220V AC, powered remediation system, designed for recovery applications where electrical power is available. This uniquely flexible system can be configured for up to eight wells. The compact, easy-to-install features make this unit an industry favorite!

The AC Sipper uses a unique downwell pump to recover hydrocarbons through a floating oleophilic/hydrophobic intake filter. Once the pump canister is filled via the vacuum cycle, the pump reverses, pressurizes the system and pumps the recovered fluid to the surface and into a storage vessel.

The Geotech AC Sipper can effectively extract fluids from depths to 180 feet below ground surface and recover viscous hydrocarbons such as 90 weight oil when our heavy oil skimmer is utilized.

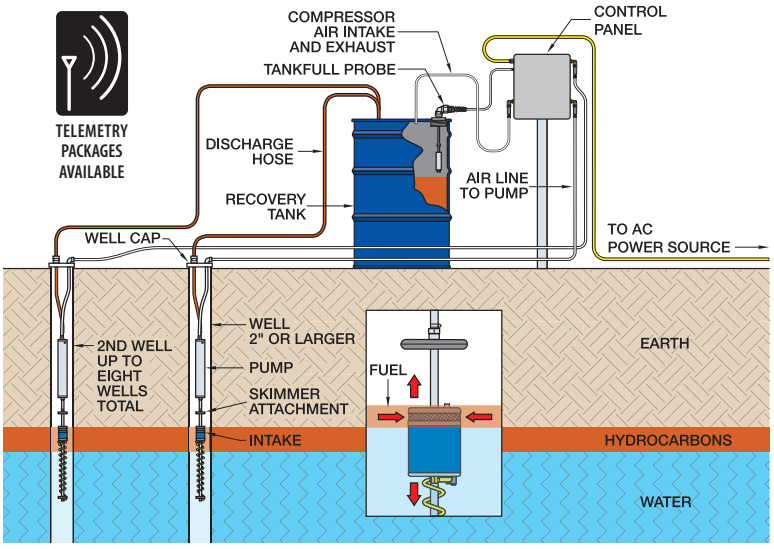
FEATURES

- Available in single or multi-well configurations
- Solar powered versions are also available

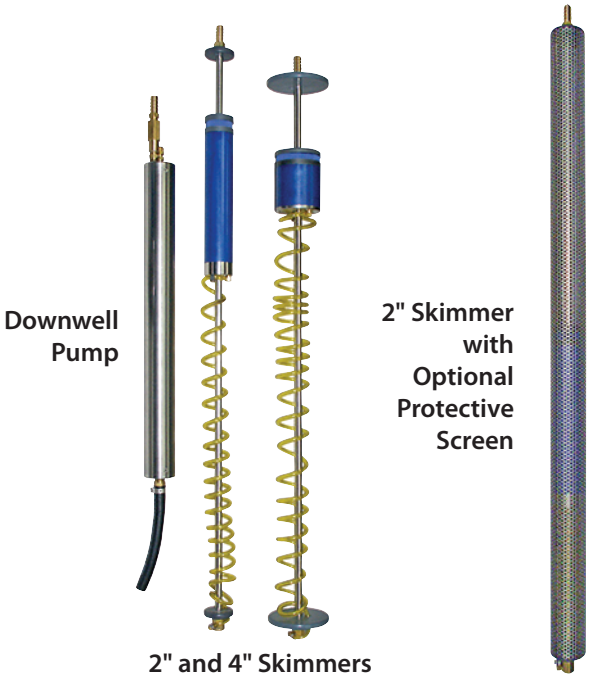
OPERATION

The Geotech AC Sipper recovers floating hydrocarbons (LNAPL) from wells using an AC powered pressure/vacuum pump. The standard Skimmer features a unique product intake assembly that incorporates both a density float and an oleophilic/hydrophobic filter that differentiates between floating hydrocarbons and water. The skimmer floats just above the oil/water interface to collect and remove hydrocarbons from the well into an optional above ground storage tank.

The Geotech AC Sipper is also available for recovery of sinking product (DNAPL) from wells when using a fixed intake.



Control Panel and Pressure/Vacuum Pump
(eight-well controller shown)



Downwell Pump

2" Skimmer with Optional Protective Screen

2" and 4" Skimmers

CALL GEOTECH TODAY **(800) 833-7958**

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • FAX (303) 322-7242
email: sales@geotechenv.com • website: www.geotechenv.com

geotech

Hydrocarbon Recovery System

Geotech Single & Multi-Well AC Sipper

DESIGN YOUR RECOVERY SYSTEM

Step 1: Control Panel

✔ Choose from 1 to 8 wells
- NEMA 3R Enclosure
- Tankfull Shut-Off Switch (¾" or 2" NPT bung-fitting)
- Microprocessor Controlled 2-Line LCD Display with four scroll buttons
- On/Off Switch
- Pressure/Vacuum Pump
- Pressure/Vacuum Gauge

Solar powered versions are available

Step 2: Downwell Equipment

✔ Downwell Pump(s)
- Standard
- With Conductivity Sensor

✔ Skimmer(s)
- 2" or 4" Skimmer with 100 or 60 Mesh Intake
- 2" or 4" Protective Screen
- 4" Skimmer with Extended Travel
- 4" Heavy Oil Skimmer
- 4" High Temperature/Heavy Oil Skimmer
- 2" DNAPL Intake

Other Options:

✔ 2" or 4" Slip Fit Well Cap(s)
✔ Choose Length: Air and Discharge Tubing
✔ 55 Gallon Steel Product Drum(s)
✔ Tank Manifold: 2 to 8 Wells
✔ Dual-Wall Containment Product Recovery Tank(s)
✔ Lockable Weatherproof Enclosure
✔ Trailer for Mounting Mobile System
✔ SitePro with SiteView Telemetry

SPECIFICATIONS

Applications:	2" (50 mm) or larger recovery wells
Recovery Rate:	.2 gallons (.76 liters) per cycle
Maximum Operating Depth:	180 feet (55 meters)
Power Requirements:	87 to 240 Volts AC 2.7 to 1 Amp(s)
Maximum Pressure:	100 PSIG (7 bar)
Maximum Vacuum:	20" Hg @ MSL (50 mm Hg)
Oil/Water Separation:	Oleophilic/hydrophobic mesh screen

Controller:	
Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature Range	-20° to 150°F (-29° to 66°C)
Humidity	90% non-condensing (max)
Size	10" D x 18" T x 16" W (25.4 cm D x 45.7 cm T x 40.6 cm W)
Approximate Weight	35 lbs. (15.9 kg) single channel 51 lbs. (23.1 kg) eight channel
Rating	NEMA 3R

Optional Downwell Pump:	
Size	23.5" L x 1.75" OD (59.7 cm L x 4.4 cm OD)
Weight	4.5 lbs. (2.04 kg)
Materials	303 and 304 Stainless Steel, Flexible Rubber Tubing, PVC, Brass

Optional Skimmer Assemblies:	**2" Model**	**4" Model**
Effective Travel Range	12" (30.5 cm)	24" (61 cm)
Size	35.5" L x 1.75" OD (90.2cm L x 4.4cm OD)	35.5" L x 3.75" OD (90.2cm L x 9.5cm OD)
Weight	1.75 lbs. (.79 kg)	2.25 lbs. (1.02 kg)
Operating Temperature	32° to 104°F (0° to 40°C)	
Storage Temperature	-20° to 150°F (-29° to 66°C)	
Materials	304 Stainless Steel, Polyethylene, PVC, Polypropylene, Brass	

Optional Tubing:	
Air	.17" ID x .25" OD (4.3 mm ID x 6 mm OD)
Discharge	.375" ID x .5" OD (9.5 mm ID x 12.7 mm OD)

CALL GEOTECH TODAY **(800) 833-7958**

Geotech Environmental Equipment, Inc.
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(303) 320-4764 • FAX (303) 322-7242
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Appendix E

Cumulative Summary of Groundwater Potentiometric Elevation Data

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-1	06/19/02	2”	122.47 - 142.09	140	3990.85	132.49	3858.36	--	--	--
MW-1	07/29/02	2"	122.47 - 142.09	140	3990.85	132.55	3858.30	--	--	--
MW-1	10/08/02	2"	122.47 - 142.09	140	3990.85	132.26	3858.59	--	--	--
MW-1	08/11/03	2"	122.47 - 142.09	140	3990.85	130.33	3860.52	--	--	--
MW-1	02/16/05	2"	122.47 - 142.09	140	3990.85	129.06	3861.79	--	--	--
MW-1	04/07/06	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	06/29/06	2"	122.47 - 142.09	140	3990.85	---------- not gauged ----------				--
MW-1	10/12/06	2"	122.47 - 142.09	140	3990.85	130.37	3860.48	--	--	--
MW-1	04/26/07	2"	122.47 - 142.09	140	3990.85	130.26	3860.59	--	--	--
MW-1	10/18/07	2"	122.47 - 142.09	140	3990.85	130.24	3860.61	--	--	--
MW-1	05/21/08	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	10/16/08	2"	122.47 - 142.09	140	3990.85	130.38	3860.47	--	--	--
MW-1	04/09/09	2"	122.47 - 142.09	140	3990.85	130.82	3860.03	--	--	--
MW-1	09/29/09	2"	122.47 - 142.09	140	3990.85	131.30	3859.55	--	--	--
MW-1	04/05/10	2"	122.47 - 142.09	140	3990.85	131.56	3859.29	--	--	--
MW-1	10/04/10	2"	122.47 - 142.09	140	3990.85	131.73	3859.12	--	--	--
MW-1	04/18/11	2"	122.47 - 142.09	140	3990.85	132.15	3858.70	--	--	--
MW-1	10/18/11	2"	122.47 - 142.09	140	3990.85	132.23	3858.62	--	--	--
MW-1	04/23/12	2"	122.47 - 142.09	140	3990.85	132.08	3858.77	--	--	--
MW-1	11/05/12	2"	122.47 - 142.09	140	3990.85	131.74	3859.11	--	--	--
MW-1	04/23/13	2"	122.47 - 142.09	140	3990.85	131.80	3859.05	--	--	--
MW-1	10/21/13	2"	122.47 - 142.09	140	3990.85	132.97	3857.88	--	--	--
MW-1	02/11/14	2"	122.47 - 142.09	140	3990.85	132.76	3858.09	--	--	--
MW-1	10/27/14	2"	122.47 - 142.09	140	3990.85	133.56	3857.29	--	--	--
MW-1	02/24/15	2"	122.47 - 142.09	140	3990.85	133.55	3857.30	--	--	--
MW-1	10/26/15	2"	122.47 - 142.09	140	3990.85	133.88	3856.97	--	--	--
MW-1	02/29/16	2"	122.47 - 142.09	140	3990.85	134.31	3856.54	--	--	--
MW-1	08/22/16	2"	122.47 - 142.09	140	3990.85	134.14	3856.71	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-1	06/19/02	2”	122.47 - 142.09	140	3990.85	132.49	3858.36	--	--	--
MW-1	07/29/02	2"	122.47 - 142.09	140	3990.85	132.55	3858.30	--	--	--
MW-1	10/08/02	2"	122.47 - 142.09	140	3990.85	132.26	3858.59	--	--	--
MW-1	08/11/03	2"	122.47 - 142.09	140	3990.85	130.33	3860.52	--	--	--
MW-1	02/16/05	2"	122.47 - 142.09	140	3990.85	129.06	3861.79	--	--	--
MW-1	04/07/06	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	06/29/06	2"	122.47 - 142.09	140	3990.85	---------- not gauged ----------				--
MW-1	10/12/06	2"	122.47 - 142.09	140	3990.85	130.37	3860.48	--	--	--
MW-1	04/26/07	2"	122.47 - 142.09	140	3990.85	130.26	3860.59	--	--	--
MW-1	10/18/07	2"	122.47 - 142.09	140	3990.85	130.24	3860.61	--	--	--
MW-1	05/21/08	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	10/16/08	2"	122.47 - 142.09	140	3990.85	130.38	3860.47	--	--	--
MW-1	04/09/09	2"	122.47 - 142.09	140	3990.85	130.82	3860.03	--	--	--
MW-1	09/29/09	2"	122.47 - 142.09	140	3990.85	131.30	3859.55	--	--	--
MW-1	04/05/10	2"	122.47 - 142.09	140	3990.85	131.56	3859.29	--	--	--
MW-1	10/04/10	2"	122.47 - 142.09	140	3990.85	131.73	3859.12	--	--	--
MW-1	04/18/11	2"	122.47 - 142.09	140	3990.85	132.15	3858.70	--	--	--
MW-1	10/18/11	2"	122.47 - 142.09	140	3990.85	132.23	3858.62	--	--	--
MW-1	04/23/12	2"	122.47 - 142.09	140	3990.85	132.08	3858.77	--	--	--
MW-1	11/05/12	2"	122.47 - 142.09	140	3990.85	131.74	3859.11	--	--	--
MW-1	04/23/13	2"	122.47 - 142.09	140	3990.85	131.80	3859.05	--	--	--
MW-1	10/21/13	2"	122.47 - 142.09	140	3990.85	132.97	3857.88	--	--	--
MW-1	02/11/14	2"	122.47 - 142.09	140	3990.85	132.76	3858.09	--	--	--
MW-1	10/27/14	2"	122.47 - 142.09	140	3990.85	133.56	3857.29	--	--	--
MW-1	02/24/15	2"	122.47 - 142.09	140	3990.85	133.55	3857.30	--	--	--
MW-1	10/26/15	2"	122.47 - 142.09	140	3990.85	133.88	3856.97	--	--	--
MW-1	02/29/16	2"	122.47 - 142.09	140	3990.85	134.31	3856.54	--	--	--
MW-1	08/22/16	2"	122.47 - 142.09	140	3990.85	134.14	3856.71	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-1	02/28/17	2"	122.47 - 142.09	140	3990.85	133.50	3857.35	--	--	--
MW-1	08/28/17	2"	122.47 - 142.09	140	3990.85	133.12	3857.73	--	--	--
MW-1	04/03/18	2"	122.47 - 142.09	140	3990.85	133.10	3857.75	--	--	--
MW-1	08/27/18	2"	122.47 - 142.09	140	3990.85	133.62	3857.23	--	--	--
MW-1	01/28/19	2"	122.47 - 142.09	140	3990.85	134.36	3856.49	--	--	--
MW-1	12/16/19	2"	122.47 - 142.09	140	3990.85	134.74	3856.11	--	--	--
MW-1	04/06/20	2”	122.47 - 142.09	142.38	3990.85	134.80	3856.05	--	--	--
MW-1	06/09/21	2”	122.47 - 142.09	147.19	3990.85	134.88	3855.97	--	--	--
MW-1	11/10/21	2”	122.47 - 142.09	152.21	3990.85	134.77	3856.08	--	--	--
MW-2	06/19/02	2”	123.27 - 142.89	140	3991.08	132.87	3858.21	--	--	--
MW-2	07/29/02	2”	123.27 - 142.89	140	3991.08	132.92	3858.16	--	--	--
MW-2	10/08/02	2”	123.27 - 142.89	140	3991.08	132.46	3858.62	--	--	--
MW-2	08/11/03	2”	123.27 - 142.89	140	3991.08	130.71	3860.37	--	--	--
MW-2	02/16/05	2”	123.27 - 142.89	140	3991.08	129.43	3861.65	--	--	--
MW-2	04/07/06	2”	123.27 - 142.89	140	3991.08	130.77	3860.31	--	--	--
MW-2	06/29/06	2”	123.27 - 142.89	140	3991.08	131.86	3859.22	--	--	--
MW-2	10/12/06	2”	123.27 - 142.89	140	3991.08	130.85	3860.23	--	--	--
MW-2	04/26/07	2”	123.27 - 142.89	140	3991.08	130.71	3860.37	--	--	--
MW-2	10/18/07	2”	123.27 - 142.89	140	3991.08	130.68	3860.40	--	--	--
MW-2	05/21/08	2”	123.27 - 142.89	140	3991.08	130.68	3860.40	--	--	--
MW-2	10/16/08	2”	123.27 - 142.89	140	3991.08	130.81	3860.27	--	--	--
MW-2	04/09/09	2”	123.27 - 142.89	140	3991.08	131.21	3859.87	--	--	--
MW-2	09/29/09	2”	123.27 - 142.89	140	3991.08	131.68	3859.40	--	--	--
MW-2	04/05/10	2”	123.27 - 142.89	140	3991.08	131.91	3859.17	--	--	--
MW-2	10/04/10	2”	123.27 - 142.89	140	3991.08	132.13	3858.95	--	--	--
MW-2	04/18/11	2”	123.27 - 142.89	140	3991.08	132.55	3858.53	--	--	--
MW-2	10/18/11	2”	123.27 - 142.89	140	3991.08	132.59	3858.49	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-2	04/23/12	2”	123.27 - 142.89	140	3991.08	132.41	3858.67	--	--	--
MW-2	11/05/12	2”	123.27 - 142.89	140	3991.08	132.20	3858.88	--	--	--
MW-2	04/23/13	2”	123.27 - 142.89	140	3991.08	132.29	3858.79	--	--	--
MW-2	10/21/13	2”	123.27 - 142.89	140	3991.08	133.11	3857.97	--	--	--
MW-2	02/11/14	2”	123.27 - 142.89	140	3991.08	133.11	3857.97	--	--	--
MW-2	10/27/14	2”	123.27 - 142.89	140	3991.08	133.92	3857.16	--	--	--
MW-2	02/24/15	2”	123.27 - 142.89	140	3991.08	133.84	3857.24	--	--	--
MW-2	10/26/15	2”	123.27 - 142.89	140	3991.08	134.32	3856.76	--	--	--
MW-2	02/29/16	2”	123.27 - 142.89	140	3991.08	134.58	3856.50	--	--	--
MW-2	08/22/16	2”	123.27 - 142.89	140	3991.08	134.45	3856.63	--	--	--
MW-2	02/28/17	2”	123.27 - 142.89	140	3991.08	133.80	3857.28	--	--	--
MW-2	08/28/17	2”	123.27 - 142.89	140	3991.08	133.22	3857.86	--	--	--
MW-2	04/03/18	2”	123.27 - 142.89	140	3991.08	133.46	3857.62	--	--	--
MW-2	08/27/18	2”	123.27 - 142.89	140	3991.08	134.00	3857.08	--	--	--
MW-2	01/28/19	2”	123.27 - 142.89	140	3991.08	134.43	3856.65	--	--	--
MW-2	12/16/19	2”	123.27 - 142.89	140	3991.08	135.81	3855.27	--	--	--
MW-2	01/30/20	2”	123.27 - 142.89	143.76	3991.08	135.18	3855.90	--	--	--
MW-2	04/06/20	2”	123.27 - 142.89	142.80	3991.08	135.30	3855.78	--	--	--
MW-2	06/09/21	2”	123.27 - 142.89	142.71	3991.08	135.30	3855.78	--	--	--
MW-2	11/10/21	2”	123.27 - 142.89	142.65	3991.08	135.19	3855.89	--	--	--
MW-3	06/19/02	2”	123.72 - 143.34	140	3991.75	133.52	3858.23	--	--	--
MW-3	07/29/02	2”	123.72 - 143.34	140	3991.75	133.58	3858.17	--	--	--
MW-3	10/08/02	2”	123.72 - 143.34	140	3991.75	133.19	3858.56	--	--	--
MW-3	08/11/03	2”	123.72 - 143.34	140	3991.75	131.36	3860.39	--	--	--
MW-3	02/16/05	2”	123.72 - 143.34	140	3991.75	not gauged				--
MW-3	04/07/06	2”	123.72 - 143.34	140	3991.75	131.45	3860.30	--	--	--
MW-3	06/29/06	2”	123.72 - 143.34	140	3991.75	not gauged				--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	10/12/06	2”	123.72 - 143.34	140	3991.75	131.59	3860.16	--	--	--
MW-3	04/26/07	2”	123.72 - 143.34	140	3991.75	131.42	3860.33	--	--	--
MW-3	10/18/07	2”	123.72 - 143.34	140	3991.75	131.43	3860.32	--	--	--
MW-3	05/20/08	2”	123.72 - 143.34	140	3991.75	131.39	3860.36	--	--	--
MW-3	10/08/08	2”	123.72 - 143.34	140	3991.75	131.51	3860.24	--	--	--
MW-3	04/09/09	2”	123.72 - 143.34	140	3991.75	132.94	3858.81	--	--	--
MW-3	09/29/09	2”	123.72 - 143.34	140	3991.75	132.40	3859.35	--	--	--
MW-3	04/05/10	2”	123.72 - 143.34	140	3991.75	132.65	3859.10	--	--	--
MW-3	10/04/10	2”	123.72 - 143.34	140	3991.75	132.82	3858.93	--	--	--
MW-3	04/18/11	2”	123.72 - 143.34	140	3991.75	133.25	3858.50	--	--	--
MW-3	10/18/11	2”	123.72 - 143.34	140	3991.75	133.42	3858.33	--	--	--
MW-3	04/23/12	2”	123.72 - 143.34	140	3991.75	133.15	3858.62	133.12	0.03	--
MW-3	11/05/12	2”	123.72 - 143.34	140	3991.75	133.01	3858.74	--	--	--
MW-3	04/15/13	2”	123.72 - 143.34	140	3991.75	132.77	3858.98	--	--	--
MW-3	04/23/13	2”	123.72 - 143.34	140	3991.75	132.89	3858.86	--	--	--
MW-3	10/21/13	2”	123.72 - 143.34	140	3991.75	133.90	3857.87	133.88	0.02	--
MW-3	10/27/14	2”	123.72 - 143.34	140	3991.75	134.69	3857.17	134.55	0.14	--
MW-3	02/11/14	2”	123.72 - 143.34	140	3991.75	133.87	3857.99	133.73	0.14	--
MW-3	10/27/14	2”	123.72 - 143.34	140	3991.75	134.69	3857.17	134.55	0.14	--
MW-3	02/24/15	2”	123.72 - 143.34	140	3991.75	134.54	3857.24	134.50	0.04	--
MW-3	10/26/15	2”	123.72 - 143.34	140	3991.75	135.19	3856.57	135.18	0.01	--
MW-3	01/14/16	2”	123.72 - 143.34	140	3991.75	135.32	3856.43	--	--	--
MW-3	02/29/16	2”	123.72 - 143.34	140	3991.75	135.21	3856.55	135.20	0.01	--
MW-3	08/22/16	2”	123.72 - 143.34	140	3991.75	135.08	3856.67	--	--	--
MW-3	02/28/17	2”	123.72 - 143.34	140	3991.75	135.10	3857.40	134.10	1.00	--
MW-3	06/12/17	2”	123.72 - 143.34	140	3991.75	134.25	3857.90	133.72	0.53	0.5
MW-3	06/26/17	2”	123.72 - 143.34	140	3991.75	134.04	3858.03	133.62	0.42	0.3
MW-3	07/24/17	2”	123.72 - 143.34	140	3991.75	134.27	3857.97	133.62	0.65	0.5

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	08/07/17	2”	123.72 - 143.34	140	3991.75	--	--	--	--	0.1
MW-3	08/28/17	2”	123.72 - 143.34	140	3991.75	134.36	3857.92	133.66	0.70	0.1
MW-3	09/20/17	2”	123.72 - 143.34	140	3991.75	133.20	3858.55	--	--	--
MW-3	10/16/17	2”	123.72 - 143.34	140	3991.75	134.43	3857.91	133.65	0.78	0.1
MW-3	10/31/17	2”	123.72 - 143.34	140	3991.75	134.56	3857.91	133.60	0.96	0.5
MW-3	11/13/17	2”	123.72 - 143.34	140	3991.75	134.55	3857.88	133.64	0.91	0.5
MW-3	11/27/17	2”	123.72 - 143.34	140	3991.75	134.73	3857.83	133.65	1.08	0.3
MW-3	12/11/17	2”	123.72 - 143.34	140	3991.75	134.65	3857.87	133.63	1.02	0.8
MW-3	01/02/18	2”	123.72 - 143.34	140	3991.75	134.85	3857.76	133.70	1.15	0.5
MW-3	01/08/18	2”	123.72 - 143.34	140	3991.75	134.77	3857.84	133.62	1.15	1.0
MW-3	01/24/18	2”	123.72 - 143.34	140	3991.75	135.01	3857.64	133.81	1.20	0.5
MW-3	02/05/18	2”	123.72 - 143.34	140	3991.75	134.85	3857.93	133.58	1.37	0.3
MW-3	02/23/18	2”	123.72 - 143.34	140	3991.75	134.70	3857.94	133.51	1.19	0.6
MW-3	03/05/18	2”	123.72 - 143.34	140	3991.75	135.15	3857.65	133.75	1.40	1.0
MW-3	04/03/18	2”	123.72 - 143.34	140	3991.75	135.29	3857.61	133.76	1.53	--
MW-3	04/16/18	2”	123.72 - 143.34	140	3991.75	135.20	3857.69	133.69	1.51	0.5
MW-3	04/30/18	2”	123.72 - 143.34	140	3991.75	135.57	3858.22	132.86	2.71	0.4
MW-3	05/14/18	2”	123.72 - 143.34	140	3991.75	135.47	3857.50	133.85	1.62	0.2
MW-3	06/01/18	2”	123.72 - 143.34	140	3991.75	134.54	3857.73	133.85	0.69	0.5
MW-3	06/11/18	2”	123.72 - 143.34	140	3991.75	134.59	3857.69	133.89	0.70	0.5
MW-3	06/25/18	2”	123.72 - 143.34	140	3991.75	136.05	3857.17	134.10	1.95	--
MW-3	07/09/18	2”	123.72 - 143.34	140	3991.75	136.06	3857.13	134.15	1.91	0.3
MW-3	07/23/18	2”	123.72 - 143.34	140	3991.75	136.02	3857.13	134.16	1.86	0.4
MW-3	08/06/18	2”	123.72 - 143.34	140	3991.75	135.84	3857.06	134.31	1.53	0.6
MW-3	08/20/18	2”	123.72 - 143.34	140	3991.75	135.74	3857.07	134.33	1.41	0.1
MW-3	08/27/18	2”	123.72 - 143.34	140	3991.75	135.48	3857.08	134.40	1.08	--
MW-3	10/01/18	2”	123.72 - 143.34	140	3991.75	135.77	3857.18	134.18	1.59	0.75
MW-3	10/15/18	2”	123.72 - 143.34	140	3991.75	135.84	3857.12	134.23	1.61	0.60

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	11/13/18	2”	123.72 - 143.34	140	3991.75	136.16	3857.06	134.21	1.95	0.60
MW-3	12/03/18	2”	123.72 - 143.34	140	3991.75	136.20	3856.94	134.35	1.85	1.00
MW-3	12/11/18	2”	123.72 - 143.34	140	3991.75	135.48	3856.92	134.61	0.87	--
MW-3	01/28/19	2”	123.72 - 143.34	140	3991.75	135.71	3856.68	134.86	0.85	--
MW-3	3/5/19	2”	123.72 - 143.34	140	3991.75	135.45	3856.32	135.42	0.03	--
MW-3	3/18/19	2”	123.72 - 143.34	140	3991.75	135.68	3856.09	135.66	0.02	--
MW-3	4/5/19	2”	123.72 - 143.34	140	3991.75	135.78	3856.03	135.70	0.08	--
MW-3	4/18/19	2”	123.72 - 143.34	140	3991.75	135.97	3855.87	135.85	0.12	--
MW-3	4/29/19	2”	123.72 - 143.34	140	3991.75	135.97	3856.15	135.48	0.49	--
MW-3	5/29/19	2”	123.72 - 143.34	140	3991.75	136.72	3857.63	133.26	3.46	0.30
MW-3	6/10/19	2”	123.72 - 143.34	140	3991.75	136.76	3855.96	135.47	1.29	0.20
MW-3	6/24/19	2”	123.72 - 143.34	140	3991.75	136.75	3856.24	135.10	1.65	0.33
MW-3	7/12/19	2”	123.72 - 143.34	140	3991.75	137.15	3855.92	135.40	1.75	0.40
MW-3	7/22/19	2”	123.72 - 143.34	140	3991.75	136.94	3855.83	135.58	1.36	0.50
MW-3	8/5/19	2”	123.72 - 143.34	140	3991.75	136.63	3855.91	135.58	1.05	0.10
MW-3	8/19/19	2”	123.72 - 143.34	140	3991.75	136.81	3855.83	135.63	1.18	0.20
MW-3	9/6/19	2”	123.72 - 143.34	140	3991.75	136.60	3855.89	135.62	0.98	0.10
MW-3	9/16/19	2”	123.72 - 143.34	140	3991.75	136.54	3855.98	135.52	1.02	0.10
MW-3	9/30/19	2”	123.72 - 143.34	140	3991.75	136.58	3855.76	135.79	0.79	0.10
MW-3	12/16/19	2”	123.72 - 143.34	140	3991.75	136.74	3855.80	135.69	1.05	--
MW-3	01/30/20	2”	123.72 - 143.34		3991.75	136.98	3855.80	135.61	1.37	0.50
MW-3	02/12/20	2”	123.72 - 143.34		3991.75	136.18	3855.92	135.72	0.46	<0.25
MW-3	02/27/20	2”	123.72 - 143.34		3991.75	136.14	3855.82	135.86	0.28	<0.25
MW-3	03/13/20	2”	123.72 - 143.34		3991.75	136.11	3855.78	135.93	0.18	0.50
MW-3	03/27/20	2”	123.72 - 143.34		3991.75	136.17	3855.69	136.03	0.14	--
MW-3	04/06/20	2”	123.72 - 143.34	137.36	3991.75	136.08	3855.78	135.94	0.14	--
MW-3	04/07/20	2”	123.72 - 143.34		3991.75	136.08	3855.78	135.94	0.14	<0.1
MW-3	04/23/20	2”	123.72 - 143.34		3991.75	136.22	3855.70	136.00	0.22	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	05/12/20	2”	123.72 - 143.34		3991.75	136.38	3855.81	135.80	0.58	--
MW-3	06/09/21	2”	123.72 - 143.34	137.35	3991.75	ND	--	135.35	2.00	--
MW-3	07/20/21	2”	123.72 - 143.34	137.20	3991.75	ND	--	135.17	2.30	--
MW-3	09/14/21	2”	123.72 - 143.34	137.21	3991.75	ND	--	135.15	2.06	1.00
MW-3	10/21/21	2”	123.72 - 143.34	137.35	3991.75	ND	--	135.57	1.78	0.75
MW-3	11/10/21	2”	123.72 - 143.34	--	3991.75	137.24	3855.93	135.35	1.89	1.00
MW-3	12/22/21	2”	123.72 - 143.34	--	3991.75	137.27	3855.81	135.50	1.77	1.00
MW-4	06/19/02	2”	122.47 - 142.09	140	3991.57	134.35	3857.22	--	--	--
MW-4	07/29/02	2”	122.47 - 142.09	140	3991.57	134.25	3857.32	--	--	--
MW-4	10/08/02	2”	122.47 - 142.09	140	3991.57	133.83	3857.74	--	--	--
MW-4	08/11/03	2”	122.47 - 142.09	140	3991.57	131.78	3859.79	--	--	--
MW-4	02/16/05	2”	122.47 - 142.09	140	3991.57	130.25	3861.32	--	--	--
MW-4	04/07/06	2”	122.47 - 142.09	140	3991.57	132.14	3859.43	--	--	--
MW-4	06/29/06	2”	122.47 - 142.09	140	3991.57	132.22	3859.35	--	--	--
MW-4	10/12/06	2”	122.47 - 142.09	140	3991.57	132.61	3858.96	--	--	--
MW-4	04/26/07	2”	122.47 - 142.09	140	3991.57	131.97	3859.60	--	--	--
MW-4	10/18/07	2”	122.47 - 142.09	140	3991.57	131.95	3859.62	--	--	--
MW-4	05/19/08	2”	122.47 - 142.09	140	3991.57	131.88	3859.69	--	--	--
MW-4	10/20/08	2”	122.47 - 142.09	140	3991.57	132.02	3859.55	--	--	--
MW-4	04/09/09	2”	122.47 - 142.09	140	3991.57	132.45	3859.12	--	--	--
MW-4	09/29/09	2”	122.47 - 142.09	140	3991.57	132.90	3858.67	--	--	--
MW-4	04/05/10	2”	122.47 - 142.09	140	3991.57	133.19	3858.38	--	--	--
MW-4	10/04/10	2”	122.47 - 142.09	140	3991.57	133.45	3858.12	--	--	--
MW-4	04/18/11	2”	122.47 - 142.09	140	3991.57	133.85	3857.72	--	--	--
MW-4	10/18/11	2”	122.47 - 142.09	140	3991.57	133.92	3857.65	--	--	--
MW-4	04/23/12	2”	122.47 - 142.09	140	3991.57	133.49	3858.08	--	--	--
MW-4	11/05/12	2”	122.47 - 142.09	140	3991.57	133.20	3858.37	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-4	04/23/13	2”	122.47 - 142.09	140	3991.57	133.28	3858.29	--	--	--
MW-4	10/21/13	2”	122.47 - 142.09	140	3991.57	134.27	3857.30	--	--	--
MW-4	02/11/14	2”	122.47 - 142.09	140	3991.57	134.44	3857.13	--	--	--
MW-4	10/27/14	2”	122.47 - 142.09	140	3991.57	135.40	3856.17	--	--	--
MW-4	02/24/15	2”	122.47 - 142.09	140	3991.57	135.41	3856.16	--	--	--
MW-4	10/26/15	2”	122.47 - 142.09	140	3991.57	136.01	3855.56	--	--	--
MW-4	02/29/16	2”	122.47 - 142.09	140	3991.57	136.05	3855.52	--	--	--
MW-4	08/22/16	2”	122.47 - 142.09	140	3991.57	135.60	3855.97	--	--	--
MW-4	02/28/17	2”	122.47 - 142.09	140	3991.57	134.90	3856.67	--	--	--
MW-4	08/28/17	2”	122.47 - 142.09	140	3991.57	134.22	3857.35	--	--	--
MW-4	04/03/18	2”	122.47 - 142.09	140	3991.57	134.64	3856.93	--	--	--
MW-4	08/27/18	2”	122.47 - 142.09	140	3991.57	135.09	3856.48	--	--	--
MW-4	01/28/19	2”	122.47 - 142.09	140	3991.57	135.81	3855.76	--	--	--
MW-4	12/16/19	2”	122.47 - 142.09	140	3991.57	136.80	3854.77	--	--	--
MW-4	04/06/20	2”	122.47 - 142.09	143.54	3991.57	136.82	3854.75	--	--	--
MW-4	06/09/21	2”	122.47 - 142.09	143.47	3991.57	136.46	3855.11	--	--	--
MW-4	11/10/21	2”	122.47 - 142.09	143.55	3991.57	136.43	3855.14	--	--	--
MW-5	06/19/02	2”	125.97 - 142.59	143	3992.12	134.05	3858.07	--	--	--
MW-5	07/29/02	2”	125.97 - 142.59	143	3992.12	134.06	3858.06	--	--	--
MW-5	10/08/02	2”	125.97 - 142.59	143	3992.12	133.73	3858.39	--	--	--
MW-5	08/11/03	2”	125.97 - 142.59	143	3992.12	131.91	3860.21	--	--	--
MW-5	02/16/05	2”	125.97 - 142.59	143	3992.12	130.86	3861.26	--	--	--
MW-5	04/07/06	2”	125.97 - 142.59	143	3992.12	132.04	3860.08	--	--	--
MW-5	06/29/06	2”	125.97 - 142.59	143	3992.12	132.18	3859.94	--	--	--
MW-5	10/12/06	2”	125.97 - 142.59	143	3992.12	132.13	3859.99	--	--	--
MW-5	04/26/07	2”	125.97 - 142.59	143	3992.12	132.00	3860.12	--	--	--
MW-5	10/18/07	2”	125.97 - 142.59	143	3992.12	132.04	3860.08	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-5	05/20/08	2”	125.97 - 142.59	143	3992.12	131.98	3860.14	--	--	--
MW-5	10/20/08	2”	125.97 - 142.59	143	3992.12	131.96	3860.16	--	--	--
MW-5	04/09/09	2”	125.97 - 142.59	143	3992.12	132.36	3859.76	--	--	--
MW-5	09/29/09	2”	125.97 - 142.59	143	3992.12	132.90	3859.22	--	--	--
MW-5	04/05/10	2”	125.97 - 142.59	143	3992.12	133.08	3859.04	--	--	--
MW-5	10/04/10	2”	125.97 - 142.59	143	3992.12	133.30	3858.82	--	--	--
MW-5	04/18/11	2”	125.97 - 142.59	143	3992.12	133.67	3858.45	--	--	--
MW-5	10/18/11	2”	125.97 - 142.59	143	3992.12	133.73	3858.39	--	--	--
MW-5	04/23/12	2”	125.97 - 142.59	143	3992.12	133.55	3858.57	--	--	--
MW-5	11/05/12	2”	125.97 - 142.59	143	3992.12	133.24	3858.88	--	--	--
MW-5	04/23/13	2”	125.97 - 142.59	143	3992.12	133.33	3858.79	--	--	--
MW-5	10/21/13	2”	125.97 - 142.59	143	3992.12	134.08	3858.04	--	--	--
MW-5	02/11/14	2”	125.97 - 142.59	143	3992.12	134.24	3857.88	--	--	--
MW-5	10/27/14	2”	125.97 - 142.59	143	3992.12	135.13	3856.99	--	--	--
MW-5	02/24/15	2”	125.97 - 142.59	143	3992.12	135.11	3857.01	--	--	--
MW-5	10/26/15	2”	125.97 - 142.59	143	3992.12	135.61	3856.51	--	--	--
MW-5	02/29/16	2”	125.97 - 142.59	143	3992.12	---------- not gauged ----------				--
MW-5	08/22/16	2”	125.97 - 142.59	143	3992.12	135.42	3856.70	--	--	--
MW-5	02/28/17	2”	125.97 - 142.59	143	3992.12	134.90	3857.22	--	--	--
MW-5	08/28/17	2”	125.97 - 142.59	143	3992.12	134.20	3857.92	--	--	--
MW-5	04/03/18	2”	125.97 - 142.59	143	3992.12	134.49	3857.63	--	--	--
MW-5	08/27/18	2”	125.97 - 142.59	143	3992.12	135.70	3856.42	--	--	--
MW-5	01/28/19	2”	125.97 - 142.59	143	3992.12	135.63	3856.49	--	--	--
MW-5	12/16/19	2”	125.97 - 142.59	143	3992.12	136.59	3855.53	--	--	--
MW-5	04/06/20	2”	125.97 - 142.59	144.98	3992.12	136.68	3855.44	--	--	--
MW-5	06/09/21	2”	125.97 - 142.59	144.97	3992.12	136.46	3855.66	--	--	--
MW-5	11/10/21	2”	125.97 - 142.59	145.02	3992.12	136.59	3855.53	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-6	06/19/02	2”	122.37 - 141.99	140	3991.94	133.58	3858.36	--	--	--
MW-6	07/29/02	2”	122.37 - 141.99	140	3991.94	133.61	3858.33	--	--	--
MW-6	10/08/02	2”	122.37 - 141.99	140	3991.94	132.29	3859.65	--	--	--
MW-6	08/11/03	2”	122.37 - 141.99	140	3991.94	131.59	3860.35	--	--	--
MW-6	02/16/05	2”	122.37 - 141.99	140	3991.94	130.35	3861.59	--	--	--
MW-6	04/07/06	2”	122.37 - 141.99	140	3991.94	131.57	3860.37	--	--	--
MW-6	06/29/06	2”	122.37 - 141.99	140	3991.94	---------- not gauged ----------				--
MW-6	10/12/06	2”	122.37 - 141.99	140	3991.94	131.69	3860.25	--	--	--
MW-6	04/26/07	2”	122.37 - 141.99	140	3991.94	131.58	3860.36	--	--	--
MW-6	10/18/07	2”	122.37 - 141.99	140	3991.94	131.60	3860.34	--	--	--
MW-6	05/20/08	2”	122.37 - 141.99	140	3991.94	131.52	3860.42	--	--	--
MW-6	10/16/08	2”	122.37 - 141.99	140	3991.94	131.67	3860.27	--	--	--
MW-6	04/09/09	2”	122.37 - 141.99	140	3991.94	132.00	3859.94	--	--	--
MW-6	09/29/09	2”	122.37 - 141.99	140	3991.94	132.40	3859.54	--	--	--
MW-6	04/05/10	2”	122.37 - 141.99	140	3991.94	132.16	3859.78	--	--	--
MW-6	10/04/10	2”	122.37 - 141.99	140	3991.94	132.84	3859.10	--	--	--
MW-6	04/18/11	2”	122.37 - 141.99	140	3991.94	133.20	3858.74	--	--	--
MW-6	10/18/11	2”	122.37 - 141.99	140	3991.94	133.34	3858.60	--	--	--
MW-6	04/23/12	2”	122.37 - 141.99	140	3991.94	133.21	3858.73	--	--	--
MW-6	11/05/12	2”	122.37 - 141.99	140	3991.94	132.25	3859.69	--	--	--
MW-6	04/23/13	2”	122.37 - 141.99	140	3991.94	132.97	3858.97	--	--	--
MW-6	10/21/13	2”	122.37 - 141.99	140	3991.94	133.68	3858.26	--	--	--
MW-6	02/11/14	2”	122.37 - 141.99	140	3991.94	133.80	3858.14	--	--	--
MW-6	10/27/14	2”	122.37 - 141.99	140	3991.94	134.62	3857.32	--	--	--
MW-6	02/24/15	2”	122.37 - 141.99	140	3991.94	134.55	3857.39	--	--	--
MW-6	10/26/15	2”	122.37 - 141.99	140	3991.94	135.00	3856.94	--	--	--
MW-6	02/29/16	2”	122.37 - 141.99	140	3991.94	135.24	3856.70	--	--	--
MW-6	08/22/16	2”	122.37 - 141.99	140	3991.94	135.10	3856.84	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-6	02/28/17	2”	122.37 - 141.99	140	3991.94	134.90	3857.04	--	--	--
MW-6	08/28/17	2”	122.37 - 141.99	140	3991.94	133.88	3858.06	--	--	--
MW-6	04/03/18	2”	122.37 - 141.99	140	3991.94	134.21	3857.73	--	--	--
MW-6	08/27/18	2”	122.37 - 141.99	140	3991.94	134.65	3857.29	--	--	--
MW-6	01/28/19	2”	122.37 - 141.99	140	3991.94	135.10	3856.84	--	--	--
MW-6	12/16/19	2”	122.37 - 141.99	140	3991.94	136.10	3855.84	--	--	--
MW-6	04/06/20	2”	122.37 - 141.99	143.40	3991.94	136.10	3855.84	--	--	--
MW-6	06/09/21	2”	122.37 - 141.99	143.44	3991.94	136.11	3855.83	--	--	--
MW-6	11/10/21	2”	122.37 - 141.99	136.06	3991.94	134.06	3857.88	--	--	--
MW-7	06/19/02	2”	122.17 - 141.79	140	3992.89	133.94	3858.95	--	--	--
MW-7	07/29/02	2”	122.17 - 141.79	140	3992.89	134.03	3858.86	--	--	--
MW-7	10/08/02	2”	122.17 - 141.79	140	3992.89	133.81	3859.08	--	--	--
MW-7	08/11/03	2”	122.17 - 141.79	140	3992.89	132.26	3860.63	--	--	--
MW-7	02/16/05	2”	122.17 - 141.79	140	3992.89	130.91	3861.98	--	--	--
MW-7	04/07/06	2”	122.17 - 141.79	140	3992.89	132.06	3860.83	--	--	--
MW-7	06/29/06	2”	122.17 - 141.79	140	3992.89	---------- not gauged ----------				--
MW-7	10/12/06	2”	122.17 - 141.79	140	3992.89	132.22	3860.67	--	--	--
MW-7	04/26/07	2”	122.17 - 141.79	140	3992.89	132.14	3860.75	--	--	--
MW-7	10/18/07	2”	122.17 - 141.79	140	3992.89	132.19	3860.70	--	--	--
MW-7	05/20/08	2”	122.17 - 141.79	140	3992.89	132.16	3860.73	--	--	--
MW-7	10/15/08	2”	122.17 - 141.79	140	3992.89	132.25	3860.64	--	--	--
MW-7	04/09/09	2”	122.17 - 141.79	140	3992.89	132.58	3860.31	--	--	--
MW-7	09/29/09	2”	122.17 - 141.79	140	3992.89	133.01	3859.88	--	--	--
MW-7	04/05/10	2”	122.17 - 141.79	140	3992.89	133.16	3859.73	--	--	--
MW-7	10/04/10	2”	122.17 - 141.79	140	3992.89	133.34	3859.55	--	--	--
MW-7	04/18/11	2”	122.17 - 141.79	140	3992.89	133.75	3859.14	--	--	--
MW-7	10/18/11	2”	122.17 - 141.79	140	3992.89	133.77	3859.12	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-7	04/23/12	2”	122.17 - 141.79	140	3992.89	133.74	3859.15	--	--	--
MW-7	11/05/12	2”	122.17 - 141.79	140	3992.89	133.48	3859.41	--	--	--
MW-7	04/23/13	2”	122.17 - 141.79	140	3992.89	133.64	3859.25	--	--	--
MW-7	10/21/13	2”	122.17 - 141.79	140	3992.89	134.18	3858.71	--	--	--
MW-7	02/11/14	2”	122.17 - 141.79	140	3992.89	134.28	3858.61	--	--	--
MW-7	10/27/14	2”	122.17 - 141.79	140	3992.89	134.95	3857.94	--	--	--
MW-7	02/24/15	2”	122.17 - 141.79	140	3992.89	134.89	3858.00	--	--	--
MW-7	10/26/15	2”	122.17 - 141.79	140	3992.89	135.33	3857.56	--	--	--
MW-7	02/29/16	2”	122.17 - 141.79	140	3992.89	135.55	3857.34	--	--	--
MW-7	08/22/16	2”	122.17 - 141.79	140	3992.89	135.53	3857.36	--	--	--
MW-7	02/28/17	2”	122.17 - 141.79	140	3992.89	134.85	3858.04	--	--	--
MW-7	08/28/17	2”	122.17 - 141.79	140	3992.89	134.46	3858.43	--	--	--
MW-7	04/03/18	2”	122.17 - 141.79	140	3992.89	134.79	3858.10	--	--	--
MW-7	08/27/18	2”	122.17 - 141.79	140	3992.89	135.15	3857.74	--	--	--
MW-7	01/28/19	2”	122.17 - 141.79	140	3992.89	135.49	3857.40	--	--	--
MW-7	12/16/19	2”	122.17 - 141.79	140	3992.89	136.50	3856.39	--	--	--
MW-7	04/06/20	2”	122.17 - 141.79	141.94	3992.89	136.47	3856.42	--	--	--
MW-7	06/09/21	2”	122.17 - 141.79	141.87	3992.89	136.70	3856.19			
MW-7	11/10/21	2”	122.17 - 141.79	141.83	3992.89	136.75	3856.14			
MW-8	06/19/02	2”	123.57 -143.19	140	3991.27	132.81	3858.46	--	--	--
MW-8	07/29/02	2”	123.57 -143.19	140	3991.27	132.93	3858.34	--	--	--
MW-8	10/08/02	2”	123.57 -143.19	140	3991.27	132.20	3859.07	--	--	--
MW-8	08/11/03	2”	123.57 -143.19	140	3991.27	130.78	3860.49	--	--	--
MW-8	02/16/05	2”	123.57 -143.19	140	3991.27	129.53	3861.74	--	--	--
MW-8	04/07/06	2”	123.57 -143.19	140	3991.27	130.80	3860.47	--	--	--
MW-8	06/29/06	2”	123.57 -143.19	140	3991.27	130.88	3860.39	--	--	--
MW-8	10/12/06	2”	123.57 -143.19	140	3991.27	130.89	3860.38	--	--	--

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LEA COUNTY, NEW MEXICO

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MW-8	04/26/07	2”	123.57 -143.19	140	3991.27	130.75	3860.52	--	--	--
MW-8	10/18/07	2”	123.57 -143.19	140	3991.27	130.73	3860.54	--	--	--
MW-8	05/21/08	2”	123.57 -143.19	140	3991.27	130.22	3861.05	--	--	--
MW-8	10/16/08	2”	123.57 -143.19	140	3991.27	130.84	3860.43	--	--	--
MW-8	04/09/09	2”	123.57 -143.19	140	3991.27	131.28	3859.99	--	--	--
MW-8	09/29/09	2”	123.57 -143.19	140	3991.27	131.75	3859.52	--	--	--
MW-8	04/05/10	2”	123.57 -143.19	140	3991.27	131.96	3859.31	--	--	--
MW-8	10/04/10	2”	123.57 -143.19	140	3991.27	135.46	3855.81	--	--	--
MW-8	03/30/11	2”	123.57 -143.19	140	3991.27	135.80	3858.73	131.47	4.33	2.5
MW-8	04/07/11	2”	123.57 -143.19	140	3991.27	134.37	3858.65	132.04	2.33	0.5
MW-8	04/13/11	2”	123.57 -143.19	140	3991.27	133.85	3858.59	132.30	1.55	0.3
MW-8	05/03/11	2”	123.57 -143.19	140	3991.27	135.70	3858.61	131.66	4.04	1.2
MW-8	05/10/11	2”	123.57 -143.19	140	3991.27	134.68	3858.58	132.04	2.64	0.5
MW-8	05/17/11	2”	123.57 -143.19	140	3991.27	134.24	3858.64	132.10	2.14	0.8
MW-8	05/24/11	2”	123.57 -143.19	140	3991.27	134.17	3858.57	132.21	1.96	--
MW-8	06/28/11	2”	123.57 -143.19	140	3991.27	133.69	3858.50	132.47	1.22	0.1
MW-8	08/24/11	2”	123.57 -143.19	140	3991.27	135.84	3858.44	131.84	4.00	2.5
MW-8	08/25/11	2”	123.57 -143.19	140	3991.27	134.54	3858.38	132.34	2.20	1.3
MW-8	10/18/11	2”	123.57 -143.19	140	3991.27	134.64	3858.23	132.51	2.13	2.0
MW-8	02/01/12	2”	123.57 -143.19	140	3991.27	135.77	3858.62	131.62	4.15	1.8
MW-8	02/16/12	2”	123.57 -143.19	140	3991.27	135.43	3858.82	131.47	3.96	1.5
MW-8	02/28/12	2”	123.57 -143.19	140	3991.27	135.49	3858.75	131.54	3.95	1.5
MW-8	03/12/12	2”	123.57 -143.19	140	3991.27	135.63	3858.67	131.60	4.03	1.5
MW-8	03/29/12	2”	123.57 -143.19	140	3991.27	135.63	3858.70	131.56	4.07	1.0
MW-8	04/10/12	2”	123.57 -143.19	140	3991.27	135.59	3858.75	131.51	4.08	1.0
MW-8	04/23/12	2”	123.57 -143.19	140	3991.27	135.47	3858.73	131.58	3.89	--
MW-8	05/08/12	2”	123.57 -143.19	140	3991.27	135.38	3858.79	131.52	3.86	1.2
MW-8	05/21/12	2”	123.57 -143.19	140	3991.27	135.23	3858.90	131.43	3.80	1.8

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	06/04/12	2”	123.57 -143.19	140	3991.27	135.14	3858.86	131.51	3.63	1.5
MW-8	06/18/12	2”	123.57 -143.19	140	3991.27	135.04	3858.93	131.45	3.59	2.0
MW-8	07/03/12	2”	123.57 -143.19	140	3991.27	135.21	3858.86	131.49	3.72	2.0
MW-8	07/16/12	2”	123.57 -143.19	140	3991.27	135.10	3858.93	131.43	3.67	4.0
MW-8	08/02/12	2”	123.57 -143.19	140	3991.27	134.88	3858.95	131.48	3.40	3.5
MW-8	08/17/12	2”	123.57 -143.19	140	3991.27	134.83	3858.97	131.47	3.36	0.0
MW-8	08/28/12	2”	123.57 -143.19	140	3991.27	134.69	3859.11	131.33	3.36	2.5
MW-8	09/21/12	2”	123.57 -143.19	140	3991.27	134.70	3859.14	131.28	3.42	1.5
MW-8	09/24/12	2”	123.57 -143.19	140	3991.27	134.58	3859.21	131.23	3.35	1.6
MW-8	10/08/12	2”	123.57 -143.19	140	3991.27	134.65	3859.15	131.29	3.36	1.5
MW-8	10/22/12	2”	123.57 -143.19	140	3991.27	134.79	3859.09	131.32	3.47	1.5
MW-8	11/05/12	2”	123.57 -143.19	140	3991.27	134.66	3859.13	131.31	3.35	0.0
MW-8	11/20/12	2”	123.57 -143.19	140	3991.27	134.82	3859.02	131.40	3.42	2.5
MW-8	01/08/13	2”	123.57 -143.19	140	3991.27	134.89	3859.84	130.29	4.60	2.5
MW-8	01/21/13	2”	123.57 -143.19	140	3991.27	134.85	3859.32	131.00	3.85	1.5
MW-8	01/30/13	2”	123.57 -143.19	140	3991.27	134.36	3859.23	131.28	3.08	1.0
MW-8	02/13/13	2”	123.57 -143.19	140	3991.27	134.68	3859.21	131.19	3.49	--
MW-8	02/18/13	2”	123.57 -143.19	140	3991.27	135.05	3859.01	131.34	3.71	1.5
MW-8	03/04/13	2”	123.57 -143.19	140	3991.27	134.81	3859.31	131.02	3.79	--
MW-8	03/18/13	2”	123.57 -143.19	140	3991.27	135.05	3859.07	131.26	3.79	2.3
MW-8	04/01/13	2”	123.57 -143.19	140	3991.27	134.70	3859.13	131.29	3.41	1.5
MW-8	04/15/13	2”	123.57 -143.19	140	3991.27	134.98	3859.16	131.17	3.81	1.8
MW-8	04/23/13	2”	123.57 -143.19	140	3991.27	135.37	3858.99	131.26	4.11	--
MW-8	04/29/13	2”	123.57 -143.19	140	3991.27	134.97	3859.19	131.13	3.84	2.0
MW-8	05/15/13	2”	123.57 -143.19	140	3991.27	135.08	3859.13	131.17	3.91	1.8
MW-8	05/28/13	2”	123.57 -143.19	140	3991.27	135.22	3859.07	131.21	4.01	1.8
MW-8	06/12/13	2”	123.57 -143.19	140	3991.27	135.24	3859.07	131.20	4.04	2.5
MW-8	06/26/13	2”	123.57 -143.19	140	3991.27	135.32	3859.01	131.25	4.07	2.5

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	07/24/13	2”	123.57 -143.19	140	3991.27	135.70	3858.79	131.42	4.28	2.0
MW-8	08/06/13	2”	123.57 -143.19	140	3991.27	135.91	3858.67	131.51	4.40	2.0
MW-8	08/21/13	2”	123.57 -143.19	140	3991.27	135.94	3858.44	131.81	4.13	2.5
MW-8	09/03/13	2”	123.57 -143.19	140	3991.27	135.91	3858.43	131.83	4.08	2.5
MW-8	09/18/13	2”	123.57 -143.19	140	3991.27	135.96	3858.44	131.80	4.16	2.5
MW-8	09/23/13	2”	123.57 -143.19	140	3991.27	135.82	3858.18	132.19	3.63	--
MW-8	09/23/13	2”	123.57 -143.19	140	3991.27	133.29	3858.30	132.87	0.42	--
MW-8	10/02/13	2”	123.57 -143.19	140	3991.27	134.73	3858.13	132.62	2.11	1.5
MW-8	10/16/13	2”	123.57 -143.19	140	3991.27	134.73	3858.02	132.76	1.97	1.0
MW-8	10/21/13	2”	123.57 -143.19	140	3991.27	134.13	3858.12	132.83	1.30	--
MW-8	10/30/13	2”	123.57 -143.19	140	3991.27	134.53	3857.94	132.94	1.59	1.0
MW-8	11/13/13	2”	123.57 -143.19	140	3991.27	134.38	3858.05	132.84	1.54	1.0
MW-8	12/04/13	2”	123.57 -143.19	140	3991.27	134.63	3858.14	132.63	2.00	1.5
MW-8	12/12/13	2”	123.57 -143.19	140	3991.27	134.90	3858.05	132.66	2.24	2.0
MW-8	12/30/13	2”	123.57 -143.19	140	3991.27	134.74	3858.12	132.62	2.12	0.8
MW-8	02/11/14	2”	123.57 -143.19	140	3991.27	135.20	3858.09	132.51	2.69	--
MW-8	02/12/14	2”	123.57 -143.19	140	3991.27	135.25	3858.09	132.50	2.75	--
MW-8	02/25/14	2”	123.57 -143.19	140	3991.27	134.91	3857.89	132.88	2.03	0.8
MW-8	03/13/14	2”	123.57 -143.19	140	3991.27	134.73	3857.95	132.86	1.87	1.0
MW-8	03/27/14	2”	123.57 -143.19	140	3991.27	135.09	3857.77	132.98	2.11	1.0
MW-8	04/10/14	2”	123.57 -143.19	140	3991.27	135.64	3857.74	132.84	2.80	1.0
MW-8	04/24/14	2”	123.57 -143.19	140	3991.27	135.91	3857.62	132.90	3.01	1.5
MW-8	05/08/14	2”	123.57 -143.19	140	3991.27	136.01	3857.66	132.82	3.19	1.5
MW-8	06/19/14	2”	123.57 -143.19	140	3991.27	136.04	3857.62	132.86	3.18	1.5
MW-8	07/03/14	2”	123.57 -143.19	140	3991.27	136.03	3857.61	132.88	3.15	1.5
MW-8	08/01/14	2”	123.57 -143.19	140	3991.27	135.90	3857.63	132.90	3.00	1.5
MW-8	08/28/14	2”	123.57 -143.19	140	3991.27	135.88	3857.55	133.01	2.87	1.0
MW-8	09/11/14	2”	123.57 -143.19	140	3991.27	135.42	3857.38	133.38	2.04	2.0

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	09/25/14	2”	123.57 -143.19	140	3991.27	135.91	3857.31	133.32	2.59	1.8
MW-8	10/24/14	2”	123.57 -143.19	140	3991.27	135.96	3857.27	133.36	2.60	1.5
MW-8	10/27/14	2”	123.57 -143.19	140	3991.27	135.86	3856.96	133.80	2.06	--
MW-8	01/13/15	2”	123.57 -143.19	140	3991.27	136.21	3857.19	133.38	2.83	1.0
MW-8	01/29/15	2”	123.57 -143.19	140	3991.27	136.72	3857.31	133.05	3.67	1.5
MW-8	02/10/15	2”	123.57 -143.19	140	3991.27	135.75	3857.17	133.55	2.20	1.0
MW-8	02/24/15	2”	123.57 -143.19	140	3991.27	135.70	3857.37	133.30	2.40	1.0
MW-8	03/12/15	2”	123.57 -143.19	140	3991.27	136.13	3857.09	133.54	2.59	1.0
MW-8	03/26/15	2”	123.57 -143.19	140	3991.27	136.26	3857.01	133.60	2.66	2.2
MW-8	04/09/15	2”	123.57 -143.19	140	3991.27	136.26	3857.04	133.56	2.70	1.0
MW-8	04/21/15	2”	123.57 -143.19	140	3991.27	136.23	3857.03	133.58	2.65	0.5
MW-8	05/06/15	2”	123.57 -143.19	140	3991.27	136.22	3857.07	133.53	2.69	2.0
MW-8	05/21/15	2”	123.57 -143.19	140	3991.27	136.14	3857.02	133.63	2.51	1.3
MW-8	06/04/15	2”	123.57 -143.19	140	3991.27	136.24	3857.04	133.57	2.67	0.8
MW-8	07/02/15	2”	123.57 -143.19	140	3991.27	136.39	3856.91	133.69	2.70	1.5
MW-8	07/16/15	2”	123.57 -143.19	140	3991.27	136.57	3856.82	133.75	2.82	1.5
MW-8	07/30/15	2”	123.57 -143.19	140	3991.27	134.73	3856.80	134.38	0.35	0.2
MW-8	08/27/15	2”	123.57 -143.19	140	3991.27	136.58	3856.80	133.78	2.80	23.6
MW-8	09/10/15	2”	123.57 -143.19	140	3991.27	135.40	3856.69	134.31	1.09	0.3
MW-8	09/25/15	2”	123.57 -143.19	140	3991.27	136.36	3856.75	133.91	2.45	2.9
MW-8	10/26/15	2”	123.57 -143.19	140	3991.27	136.20	3856.95	133.70	2.50	--
MW-8	11/05/15	2”	123.57 -143.19	140	3991.27	136.56	3856.74	133.86	2.70	1.0
MW-8	12/10/15	2”	123.57 -143.19	140	3991.27	136.78	3857.02	133.41	3.37	8.1
MW-8	01/14/16	2”	123.57 -143.19	140	3991.27	135.20	3856.67	134.40	0.80	0.5
MW-8	02/25/16	2”	123.57 -143.19	140	3991.27	136.05	3856.42	134.45	1.60	0.5
MW-8	02/29/16	2”	123.57 -143.19	140	3991.27	136.05	3856.42	134.45	1.60	--
MW-8	03/10/16	2”	123.57 -143.19	140	3991.27	135.74	3856.46	134.50	1.24	0.3
MW-8	03/22/16	2”	123.57 -143.19	140	3991.27	135.75	3856.46	134.50	1.25	0.5

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	04/04/16	2”	123.57 -143.19	140	3991.27	135.28	3856.34	134.82	0.46	0.3
MW-8	04/21/16	2”	123.57 -143.19	140	3991.27	135.27	3856.36	134.79	0.48	0.2
MW-8	05/20/16	2”	123.57 -143.19	140	3991.27	135.65	3856.32	134.72	0.93	0.3
MW-8	06/02/16	2”	123.57 -143.19	140	3991.27	136.21	3856.43	134.39	1.82	0.3
MW-8	06/16/16	2”	123.57 -143.19	140	3991.27	136.74	3856.24	134.47	2.27	1.0
MW-8	06/30/16	2”	123.57 -143.19	140	3991.27	136.19	3856.30	134.57	1.62	1.5
MW-8	07/14/16	2”	123.57 -143.19	140	3991.27	136.53	3856.42	134.30	2.23	1.0
MW-8	07/25/16	2”	123.57 -143.19	140	3991.27	136.05	3856.58	134.24	1.81	1.0
MW-8	08/22/16	2”	123.57 -143.19	140	3991.27	135.58	3856.72	134.21	1.37	--
MW-8	09/09/16	2”	123.57 -143.19	140	3991.27	135.59	3856.74	134.18	1.41	--
MW-8	09/22/16	2”	123.57 -143.19	140	3991.27	135.78	3856.63	134.27	1.51	1.0
MW-8	10/06/16	2”	123.57 -143.19	140	3991.27	135.25	3856.74	134.29	0.96	1.0
MW-8	10/20/16	2”	123.57 -143.19	140	3991.27	134.82	3856.95	134.16	0.66	0.1
MW-8	11/03/16	2”	123.57 -143.19	140	3991.27	134.43	3857.10	134.08	0.35	0.4
MW-8	11/16/16	2”	123.57 -143.19	140	3991.27	134.00	3857.33	133.92	0.08	0.1
MW-8	11/28/16	2”	123.57 -143.19	140	3991.27	134.32	3857.15	134.05	0.27	--
MW-8	12/15/16	2”	123.57 -143.19	140	3991.27	134.31	3857.14	134.07	0.24	--
MW-8	02/28/17	2”	123.57 -143.19	140	3991.27	133.85	3857.44	133.83	0.02	--
MW-8	03/08/17	2”	123.57 -143.19	140	3991.27	133.75	3857.52	--	--	--
MW-8	03/25/17	2”	123.57 -143.19	140	3991.27	133.70	3857.57	--	--	--
MW-8	04/13/17	2”	123.57 -143.19	140	3991.27	133.55	3857.72	--	--	--
MW-8	05/01/17	2”	123.57 -143.19	140	3991.27	133.45	3857.82	--	--	--
MW-8	06/12/17	2”	123.57 -143.19	140	3991.27	133.46	3857.81	--	--	--
MW-8	06/26/17	2”	123.57 -143.19	140	3991.27	133.22	3858.05	--	--	--
MW-8	07/24/17	2”	123.57 -143.19	140	3991.27	133.31	3857.96	--	--	--
MW-8	08/07/17	2”	123.57 -143.19	140	3991.27	--	--	--	--	0.5
MW-8	08/28/17	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	09/20/17	2”	123.57 -143.19	140	3991.27	133.23	3858.04	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	10/16/17	2”	123.57 -143.19	140	3991.27	133.27	3858.00	--	--	--
MW-8	10/31/17	2”	123.57 -143.19	140	3991.27	133.30	3857.97	--	--	--
MW-8	11/13/17	2”	123.57 -143.19	140	3991.27	133.81	3857.46	--	--	--
MW-8	11/27/17	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	12/11/17	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	01/02/18	2”	123.57 -143.19	140	3991.27	133.45	3857.82	--	--	--
MW-8	01/08/18	2”	123.57 -143.19	140	3991.27	133.39	3857.88	--	--	--
MW-8	01/24/18	2”	123.57 -143.19	140	3991.27	133.63	3857.64	--	--	--
MW-8	02/05/18	2”	123.57 -143.19	140	3991.27	133.35	3857.92	--	--	--
MW-8	02/23/18	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	03/05/18	2”	123.57 -143.19	140	3991.27	133.51	3857.76	--	--	--
MW-8	04/03/18	2”	123.57 -143.19	140	3991.27	133.52	3857.75	--	--	--
MW-8	04/16/18	2”	123.57 -143.19	140	3991.27	133.46	3857.81	--	--	--
MW-8	04/30/18	2”	123.57 -143.19	140	3991.27	133.60	3857.67	--	--	--
MW-8	05/14/18	2”	123.57 -143.19	140	3991.27	133.60	3857.67	--	--	--
MW-8	06/01/18	2”	123.57 -143.19	140	3991.27	133.66	3857.61	--	--	--
MW-8	06/11/18	2”	123.57 -143.19	140	3991.27	133.70	3857.57	--	--	--
MW-8	06/25/18	2”	123.57 -143.19	140	3991.27	134.01	3857.26	--	--	--
MW-8	07/09/18	2”	123.57 -143.19	140	3991.27	134.03	3857.24	--	--	--
MW-8	07/23/18	2”	123.57 -143.19	140	3991.27	134.08	3857.19	--	--	--
MW-8	08/03/18	2”	123.57 -143.19	140	3991.27	134.05	3857.22	--	--	--
MW-8	08/20/18	2”	123.57 -143.19	140	3991.27	134.05	3857.22	--	--	--
MW-8	08/27/18	2”	123.57 -143.19	140	3991.27	134.07	3857.20	--	--	--
MW-8	10/01/18	2”	123.57 -143.19	140	3991.27	134.02	3857.25	--	--	--
MW-8	10/15/18	2”	123.57 -143.19	140	3991.27	134.04	3857.23	--	--	--
MW-8	11/13/18	2”	123.57 -143.19	140	3991.27	134.12	3857.15	--	--	--
MW-8	12/03/18	2”	123.57 -143.19	140	3991.27	134.26	3857.01	--	--	--
MW-8	12/11/18	2”	123.57 -143.19	140	3991.27	134.22	3857.05	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	01/28/19	2”	123.57 -143.19	140	3991.27	134.59	3856.68	--	--	--
MW-8	03/05/19	2”	123.57 -143.19	140	3991.27	135.44	3855.83	137.79	-2.35	--
MW-8	3/18/19	2”	123.57 -143.19	140	3991.27	135.67	3855.60	134.64	1.03	0.8
MW-8	4/5/19	2”	123.57 -143.19	140	3991.27	136.39	3854.88	134.45	1.94	0.8
MW-8	4/18/19	2”	123.57 -143.19	140	3991.27	136.59	3854.68	134.53	2.06	1.0
MW-8	4/29/19	2”	123.57 -143.19	140	3991.27	136.92	3854.35	134.49	2.43	0.5
MW-8	5/29/19	2”	123.57 -143.19	140	3991.27	136.39	3854.88	134.49	1.90	0.4
MW-8	6/10/19	2”	123.57 -143.19	140	3991.27	136.22	3855.05	134.58	1.64	0.6
MW-8	6/24/19	2”	123.57 -143.19	140	3991.27	135.91	3855.36	134.54	1.37	0.7
MW-8	7/12/19	2”	123.57 -143.19	140	3991.27	135.97	3855.30	134.63	1.34	0.5
MW-8	7/22/19	2”	123.57 -143.19	140	3991.27	135.99	3855.28	134.76	1.23	1.0
MW-8	8/5/19	2”	123.57 -143.19	140	3991.27	135.95	3855.32	134.72	1.23	0.2
MW-8	8/19/19	2”	123.57 -143.19	140	3991.27	136.11	3855.16	134.72	1.39	0.3
MW-8	9/6/19	2”	123.57 -143.19	140	3991.27	136.12	3855.15	134.63	1.49	0.5
MW-8	9/16/19	2”	123.57 -143.19	140	3991.27	135.85	3855.42	134.86	0.99	0.2
MW-8	9/30/19	2”	123.57 -143.19	140	3991.27	135.85	3855.42	134.80	1.05	0.2
MW-8	1/28/19	2”	123.57 - 143.19	140	3991.27	134.59	3856.68	--	--	--
MW-8	12/16/19	2”	123.57 -143.19	140	3991.27	135.46	3856.37	134.72	0.74	--
MW-8	01/30/20	2”	123.57 - 143.19		3991.27	137.06	3856.03	134.64	2.42	0.5
MW-8	02/12/20	2”	123.57 - 143.19		3991.27	137.03	3856.07	134.60	2.43	1.5
MW-8	02/27/20	2”	123.57 - 143.19		3991.27	137.06	3856.00	134.68	2.38	1.0
MW-8	03/13/20	2”	123.57 - 143.19		3991.27	137.13	3855.96	134.71	2.42	2.0
MW-8	03/27/20	2”	123.57 - 143.19		3991.27	137.17	3855.90	134.78	2.39	--
MW-8	04/06/20	2”	123.57 - 143.19	143.43	3991.27	137.04	3855.97	134.73	2.31	--
MW-8	04/07/20	2”	123.57 - 143.19		3991.27	137.08	3855.96	134.73	2.35	1.0
MW-8	04/23/20	2”	123.57 - 143.19		3991.27	137.14	3855.89	134.80	2.34	--
MW-8	05/12/20	2”	123.57 - 143.19		3991.27	136.95	3855.97	134.75	2.20	1.5
MW-8	06/09/21	2”	123.57 - 143.19		3991.27	136.92	3855.91	134.85	2.07	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	07/20/21	2”	123.57 - 143.19		3991.27	136.15	3856.18	134.74	1.41	--
MW-8	09/14/21	2”	123.57 - 143.19		3991.27	136.34	3856.17	134.69	1.65	1.0
MW-8	10/21/21	2”	123.57 - 143.19		3991.27	135.38	3856.31	134.82	0.56	1.5
MW-8	11/10/21	2”	123.57 - 143.19		3991.27	136.84	3855.93	134.85	1.99	1.0
MW-8	12/22/21	2”	123.57 - 143.19		3991.27	136.88	3855.71	135.12	1.76	1.0
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 ----------				--
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
MW-9	02/16/12	2"	123 - 145	145	3990.40	135.73	3858.30	130.90	4.83	2.5
MW-9	02/28/12	2"	123 - 145	145	3990.40	135.97	3858.21	130.94	5.03	2.0
MW-9	03/12/12	2"	123 - 145	145	3990.40	135.96	3858.16	131.01	4.95	2.7
MW-9	03/29/12	2"	123 - 145	145	3990.40	135.87	3858.20	130.99	4.88	2.5
MW-9	04/10/12	2"	123 - 145	145	3990.40	135.92	3858.22	130.94	4.98	2.0

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	04/23/12	2"	123 - 145	145	3990.40	135.95	3858.26	130.88	5.07	0.0
MW-9	05/08/12	2"	123 - 145	145	3990.40	135.89	3858.30	130.85	5.04	2.0
MW-9	05/21/12	2"	123 - 145	145	3990.40	135.76	3858.43	130.72	5.04	2.9
MW-9	06/04/12	2"	123 - 145	145	3990.40	135.88	3858.37	130.76	5.12	2.0
MW-9	06/18/12	2"	123 - 145	145	3990.40	135.99	3858.41	130.67	5.32	2.5
MW-9	07/03/12	2"	123 - 145	145	3990.40	135.95	3858.38	130.72	5.23	2.5
MW-9	07/16/12	2"	123 - 145	145	3990.40	135.90	3858.43	130.67	5.23	7.0
MW-9	08/02/12	2"	123 - 145	145	3990.40	135.85	3858.48	130.63	5.22	4.0
MW-9	08/17/12	2"	123 - 145	145	3990.40	135.87	3858.43	130.69	5.18	0.0
MW-9	08/28/12	2"	123 - 145	145	3990.40	135.79	3858.55	130.55	5.24	4.0
MW-9	09/21/12	2"	123 - 145	145	3990.40	135.65	3858.65	130.47	5.18	2.5
MW-9	09/24/12	2"	123 - 145	145	3990.40	135.58	3858.75	130.35	5.23	4.0
MW-9	10/08/12	2"	123 - 145	145	3990.40	135.74	3858.71	130.35	5.39	2.5
MW-9	10/22/12	2"	123 - 145	145	3990.40	135.77	3858.69	130.37	5.40	2.5
MW-9	11/05/12	2"	123 - 145	145	3990.40	135.71	3858.46	130.70	5.01	0.0
MW-9	11/20/12	2"	123 - 145	145	3990.40	135.84	3858.64	130.42	5.42	3.0
MW-9	01/08/13	2"	123 - 145	145	3990.40	135.81	3858.63	130.44	5.37	3.0
MW-9	01/21/13	2"	123 - 145	145	3990.40	135.68	3858.67	130.43	5.25	3.5
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
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
MW-9	04/01/13	2"	123 - 145	145	3990.40	135.58	3858.71	130.41	5.17	3.0
MW-9	04/15/13	2"	123 - 145	145	3990.40	135.75	3858.70	130.37	5.38	2.3
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
MW-9	05/15/13	2"	123 - 145	145	3990.40	135.74	3858.69	130.38	5.36	2.7

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	05/28/13	2"	123 - 145	145	3990.40	135.75	3858.64	130.45	5.30	2.8
MW-9	06/12/13	2"	123 - 145	145	3990.40	135.70	3858.63	130.47	5.23	2.3
MW-9	06/26/13	2"	123 - 145	145	3990.40	135.71	3858.59	130.53	5.18	2.5
MW-9	07/24/13	2"	123 - 145	145	3990.40	135.81	3859.06	129.87	5.94	2.0
MW-9	08/06/13	2"	123 - 145	145	3990.40	135.81	3858.16	131.06	4.75	2.3
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
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
MW-9	02/25/14	2"	123 - 145	145	3990.40	133.01	3857.40	133.00		NA
MW-9	03/13/14	2"	123 - 145	145	3990.40	136.12	3857.27	132.15	3.97	1.5
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 ----------				--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
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
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
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
MW-9	12/11/15	2"	123 - 145	145	3990.40	136.27	3856.20	133.52	2.75	48.1
MW-9	01/14/16	2"	123 - 145	145	3990.40	---------- not gauged ----------				--

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LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
MW-9	06/12/17	2"	123 - 145	145	3990.40	133.73	3857.52	132.60	1.13	0.8

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
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-9	06/09/21	2"	123 - 145		3990.40	136.91	3855.51	134.23	2.68	--
MW-9	07/20/21	2"	123 - 145		3990.40	136.25	3855.78	134.08	2.17	--
MW-9	09/14/21	2"	123 - 145		3990.40	136.28	3855.80	134.04	2.24	4.0
MW-9	10/21/21	2"	123 - 145		3990.40	136.35	3855.67	134.20	2.15	11.5
MW-9	11/10/21	2"	123 - 145		3990.40	136.55	3855.59	134.23	2.32	8.0
MW-9	12/22/21	2"	123 - 145		3990.40	137.00	3855.35	134.41	2.59	7.0
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
MW-10	06/09/21	2"	123 - 145	148.89	3992.85	133.50	3859.35	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-10	11/10/21	2"	123 - 145	140.32	3992.85	133.61	3859.24	--	--	--
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	04/09/09	2"	123 - 145	145	3989.62	129.40	3860.22	--	--	--
MW-12	09/29/09	2"	123 - 145	145	3989.62	129.84	3859.78	--	--	--
MW-12	04/05/10	2"	123 - 145	145	3989.62	130.06	3859.56	--	--	--
MW-12	10/04/10	2"	123 - 145	145	3989.62	130.24	3859.38	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-12	04/18/11	2"	123 - 145	145	3989.62	130.75	3858.87	--	--	--
MW-12	10/18/11	2"	123 - 145	145	3989.62	130.96	3858.66	--	--	--
MW-12	04/23/12	2"	123 - 145	145	3989.62	130.61	3859.01	--	--	--
MW-12	10/21/13	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--
MW-12	11/05/12	2"	123 - 145	145	3989.62	130.31	3859.31	--	--	--
MW-12	04/23/13	2"	123 - 145	145	3989.62	---------- damaged ----------				--
MW-12	10/21/13	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--
MW-12	02/11/14	2"	123 - 145	145	3989.62	131.20	3858.42	--	--	--
MW-12	10/27/14	2"	123 - 145	145	3989.62	131.93	3857.69	--	--	--
MW-12	02/24/15	2"	123 - 145	145	3989.62	131.95	3857.67	--	--	--
MW-12	10/26/15	2"	123 - 145	145	3989.62	132.21	3857.41	--	--	--
MW-12	02/29/16	2"	123 - 145	145	3989.62	132.80	3856.82	--	--	--
MW-12	08/22/16	2"	123 - 145	145	3989.62	132.71	3856.91	--	--	--
MW-12	02/28/17	2"	123 - 145	145	3989.62	131.80	3857.82	--	--	--
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-12	06/09/21	2"	123 - 145	144.58	3989.62	133.21	3856.41	--	--	--
MW-12	11/10/21	2"	123 - 145	144.54	3989.62	133.23	3856.39	--	--	--
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 ----------				--

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LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--

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LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-13	06/09/21	2"	123 - 145	144.80	3990.60	134.93	3855.67	--	--	--
MW-13	11/10/21	2"	123 - 145	144.67	3990.60	134.93	3855.67	--	--	--
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	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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-14	06/09/21	2"	123 - 145	147.28	3991.27	135.65	3855.62	--	--	--
MW-14	11/10/21	2"	123 - 145	147.48	3991.27	135.09	3856.18	--	--	--
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	--	--	--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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-15	06/09/21	2"	124 - 146	147.97	3992.42	136.39	3856.03	--	--	--
MW-15	11/10/21	2"	124 - 146	147.93	3992.42	136.73	3855.69	--	--	--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
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-16	06/09/21	2"	122 - 145	143.98	3989.17	134.56	3854.61	--	--	--
MW-16	11/10/21	2"	122 - 145	143.98	3989.17	134.83	3854.34	--	--	--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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-17	06/09/21	2"	122 - 145	145.92	3989.92	135.20	3854.72	--	--	--
MW-17	11/10/21	2"	122 - 145	146.01	3989.92	135.32	3854.60	--	--	--
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	--	--	--

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LEA COUNTY, NEW MEXICO

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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	--	--	--
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-18	06/09/21	2"	124.49 - 144.49	145.20	3989.96	135.05	3854.91	--	--	--
MW-18	11/10/21	2"	124.49 - 144.49	145.39	3989.96	135.02	3854.94	--	--	--
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
MW-19	04/07/11	2"	124.49 - 144.49	145	3991.32	135.43	3858.90	131.50	3.93	2.3
MW-19	04/13/11	2"	124.49 - 144.49	145	3991.32	135.52	3858.83	131.56	3.96	1.1

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	05/03/11	2"	124.49 - 144.49	145	3991.32	135.51	3858.82	131.58	3.93	1.9
MW-19	05/10/11	2"	124.49 - 144.49	145	3991.32	135.50	3858.73	131.70	3.80	2.0
MW-19	05/17/11	2"	124.49 - 144.49	145	3991.32	135.52	3858.81	131.58	3.94	2.0
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
MW-19	08/24/11	2"	124.49 - 144.49	145	3991.32	135.65	3858.65	131.75	3.90	2.0
MW-19	08/25/11	2"	124.49 - 144.49	145	3991.32	135.13	3858.63	131.94	3.19	1.5
MW-19	10/18/11	2"	124.49 - 144.49	145	3991.32	135.47	3858.60	131.88	3.59	2.8
MW-19	02/01/12	2"	124.49 - 144.49	145	3991.32	135.11	3858.85	131.66	3.45	0.7
MW-19	02/16/12	2"	124.49 - 144.49	145	3991.32	134.88	3859.00	131.54	3.34	1.0
MW-19	02/28/12	2"	124.49 - 144.49	145	3991.32	135.00	3858.92	131.60	3.40	2.0
MW-19	03/12/12	2"	124.49 - 144.49	145	3991.32	134.95	3858.86	131.69	3.26	1.0
MW-19	03/29/12	2"	124.49 - 144.49	145	3991.32	135.03	3858.89	131.63	3.40	1.2
MW-19	04/10/12	2"	124.49 - 144.49	145	3991.32	135.12	3858.91	131.58	3.54	1.5
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
MW-19	05/21/12	2"	124.49 - 144.49	145	3991.32	134.68	3859.05	131.53	3.15	1.5
MW-19	06/04/12	2"	124.49 - 144.49	145	3991.32	134.59	3859.03	131.58	3.01	1.5
MW-19	06/18/12	2"	124.49 - 144.49	145	3991.32	134.55	3859.07	131.54	3.01	1.5
MW-19	07/03/12	2"	124.49 - 144.49	145	3991.32	134.63	3859.05	131.55	3.08	2.0
MW-19	07/16/12	2"	124.49 - 144.49	145	3991.32	134.45	3859.10	131.53	2.92	3.0
MW-19	08/02/12	2"	124.49 - 144.49	145	3991.32	134.10	3859.06	131.69	2.41	2.0
MW-19	08/28/12	2"	124.49 - 144.49	145	3991.32	134.21	3859.21	131.46	2.75	1.5
MW-19	09/21/12	2"	124.49 - 144.49	145	3991.32	134.03	3859.29	131.41	2.62	2.5
MW-19	09/24/12	2"	124.49 - 144.49	145	3991.32	133.97	3859.36	131.34	2.63	1.0
MW-19	10/08/12	2"	124.49 - 144.49	145	3991.32	133.94	3859.32	131.40	2.54	1.5
MW-19	10/22/12	2"	124.49 - 144.49	145	3991.32	134.02	3859.24	131.49	2.53	1.5
MW-19	10/30/12	2"	124.49 - 144.49	145	3991.32	134.08	3859.21	131.50	2.58	2.0

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	11/05/12	2"	124.49 - 144.49	145	3991.32	133.99	3859.34	131.36	2.63	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
MW-19	12/05/12	2"	124.49 - 144.49	145	3991.32	133.88	3859.26	131.50	2.38	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
MW-19	01/21/13	2"	124.49 - 144.49	145	3991.32	133.17	3859.27	131.71	1.46	0.0
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
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
MW-19	04/01/13	2"	124.49 - 144.49	145	3991.32	133.80	3859.28	131.50	2.30	1.0
MW-19	04/15/13	2"	124.49 - 144.49	145	3991.32	134.03	3859.29	131.41	2.62	2.0
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
MW-19	05/15/13	2"	124.49 - 144.49	145	3991.32	134.08	3859.28	131.41	2.67	0.8
MW-19	05/28/13	2"	124.49 - 144.49	145	3991.32	134.09	3859.23	131.48	2.61	0.8
MW-19	06/12/13	2"	124.49 - 144.49	145	3991.32	134.11	3859.21	131.49	2.62	0.5
MW-19	06/26/13	2"	124.49 - 144.49	145	3991.32	134.18	3859.19	131.50	2.68	1.0
MW-19	07/24/13	2"	124.49 - 144.49	145	3991.32	134.75	3858.94	131.65	3.10	1.5
MW-19	08/06/13	2"	124.49 - 144.49	145	3991.32	134.97	3858.92	131.61	3.36	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	--
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

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
MW-19	03/13/14	2"	124.49 - 144.49	145	3991.32	136.03	3858.10	132.36	3.67	1.8
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
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

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
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
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
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	3856.64	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

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	08/28/17	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
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	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
MW-19	04/05/19	2"	124.49 - 144.49	145	3991.32	137.63	3856.53	133.85	3.78	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
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

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL 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
MW-19	9/6/19	2"	124.49 - 144.49	145	3991.32	137.63	3856.48	133.92	3.71	1.5
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-19	06/09/21	2"	124.49 - 144.49		3991.32	137.95	3856.06	134.37	3.58	--
MW-19	07/20/21	2"	124.49 - 144.49		3991.32	137.34	3856.27	134.29	3.05	--
MW-19	09/14/21	2"	124.49 - 144.49		3991.32	137.49	3856.26	134.26	3.23	0.5
MW-19	10/21/21	2"	124.49 - 144.49		3991.32	137.50	3856.24	134.28	3.22	2.0
MW-19	11/10/21	2"	124.49 - 144.49		3991.32	137.89	3856.04	134.42	3.47	2.5
MW-19	12/22/21	2"	124.49 - 144.49		3991.32	137.57	3855.84	134.79	2.78	2.0
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	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
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-20	06/09/21	2"	124.49 - 144.49	146.58	3992.62	136.21	3856.41	--	--	--
MW-20	11/10/21	2"	124.49 - 144.49	146.12	3992.62	136.37	3856.25	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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 ----------				--
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 ----------				--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--	--	--
MW-21	06/09/21	2"	124.49 - 144.49	147.43	3993.71	137.56	3856.15	--	--	--
MW-21	11/10/21	2"	124.49 - 144.49	147.44	3993.71	137.50	3856.21	--	--	--
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	--	--	--

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LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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-22	06/09/21	2"	115 - 145	148.71	3989.01	134.60	3854.41	--	--	--
MW-22	11/10/21	2"	115 - 145	148.69	3989.01	134.86	3854.15	--	--	--
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	--	--	--
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	--	--	--

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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-23	06/09/21	---------- Unable to locate ----------								
MW-23	11/10/21	---------- Unable to locate ----------								
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
MW-24	06/09/21	2"	115 - 145	148.59	3997.05	139.00	3858.05	--	--	--
MW-24	11/10/21	2"	115 - 145	142.42	3997.05	139.18	3857.87	--	--	--
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-25	06/09/21	2"	120 - 150	149.96	3991.88	132.57	3859.31	--	--	--
MW-25	11/10/21	2"	120 - 150	150.08	3991.88	132.67	3859.21	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
MW-26	06/09/21	2"	120 - 150	151.71	3991.13	134.82	3856.31	--	--	--
MW-26	11/10/21	2"	120 - 150	151.69	3991.13	134.76	3856.37	--	--	--
EW-1	04/05/10	4"	120 - 145	145	3987.79	---------- not gauged ----------				--
EW-1	10/04/10	4"	120 - 145	145	3987.79	127.70	3860.09			--
EW-1	03/30/11	4"	120 - 145	145	3987.79	131.85	3858.93	127.95	3.90	5.0
EW-1	04/07/11	4"	120 - 145	145	3987.79	131.82	3858.87	128.03	3.79	4.0
EW-1	04/13/11	4"	120 - 145	145	3987.79	131.67	3858.81	128.16	3.51	3.8
EW-1	04/18/11	4"	120 - 145	145	3987.79	---------- not gauged ----------				--
EW-1	05/03/11	4"	120 - 145	145	3987.79	132.00	3858.78	128.10	3.90	3.5
EW-1	05/10/11	4"	120 - 145	145	3987.79	131.65	3858.75	128.24	3.41	3.0
EW-1	05/17/11	4"	120 - 145	145	3987.79	131.24	3858.79	128.32	2.92	3.5
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

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	08/24/11	4"	120 - 145	145	3987.79	132.22	3858.63	128.23	3.99	4.0
EW-1	08/25/11	4"	120 - 145	145	3987.79	131.00	3858.58	128.66	2.34	2.5
EW-1	10/18/11	4"	120 - 145	145	3987.79	131.89	3858.34	128.70	3.19	2.8
EW-1	02/01/12	4"	120 - 145	145	3987.79	131.68	3858.17	128.99	2.69	4.5
EW-1	02/16/12	4"	120 - 145	145	3987.79	131.36	3858.95	128.07	3.29	3.0
EW-1	02/28/12	4"	120 - 145	145	3987.79	131.41	3858.88	128.14	3.27	2.5
EW-1	03/12/12	4"	120 - 145	145	3987.79	131.43	3858.84	128.19	3.24	3.7
EW-1	03/29/12	4"	120 - 145	145	3987.79	131.51	3858.94	128.04	3.47	3.0
EW-1	04/10/12	4"	120 - 145	145	3987.79	131.28	3859.01	128.01	3.27	2.5
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
EW-1	05/21/12	4"	120 - 145	145	3987.79	131.10	3859.01	128.07	3.03	4.0
EW-1	06/04/12	4"	120 - 145	145	3987.79	130.75	3858.94	128.27	2.48	1.5
EW-1	06/18/12	4"	120 - 145	145	3987.79	131.00	3859.06	128.04	2.96	3.0
EW-1	07/03/12	4"	120 - 145	145	3987.79	130.91	3858.97	128.18	2.73	1.5
EW-1	07/16/12	4"	120 - 145	145	3987.79	130.96	3859.08	128.02	2.94	3.0
EW-1	08/02/12	4"	120 - 145	145	3987.79	130.95	3859.08	128.03	2.92	3.0
EW-1	08/17/12	4"	120 - 145	145	3987.79	130.97	3859.06	128.05	2.92	0.0
EW-1	08/28/12	4"	120 - 145	145	3987.79	130.31	3859.17	128.11	2.20	2.0
EW-1	9/21/012	4"	120 - 145	145	3987.79	130.56	3859.25	127.92	2.64	2.2
EW-1	09/24/12	4"	120 - 145	145	3987.79	130.30	3859.32	127.91	2.39	2.0
EW-1	10/08/12	4"	120 - 145	145	3987.79	129.50	3859.51	127.91	1.59	2.0
EW-1	10/22/12	4"	120 - 145	145	3987.79	130.27	3859.15	128.10	2.17	2.0
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
EW-1	01/08/13	4"	120 - 145	145	3987.79	130.25	3859.20	128.04	2.21	1.0
EW-1	01/21/13	4"	120 - 145	145	3987.79	130.59	3859.15	128.00	2.59	2.0
EW-1	01/30/13	4"	120 - 145	145	3987.79	130.36	3859.25	127.94	2.42	1.3

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
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
EW-1	04/01/13	4"	120 - 145	145	3987.79	130.53	3859.12	128.06	2.47	1.0
EW-1	04/15/13	4"	120 - 145	145	3987.79	130.54	3859.20	127.95	2.59	1.8
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
EW-1	06/12/13	4"	120 - 145	145	3987.79	130.62	3859.15	127.99	2.63	2.0
EW-1	06/26/13	4"	120 - 145	145	3987.79	131.70	3858.87	128.00	3.70	2.5
EW-1	07/24/13	4"	120 - 145	145	3987.79	131.22	3858.84	128.20	3.02	3.0
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
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
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
EW-1	03/27/14	4"	120 - 145	145	3987.79	130.02	3857.93	129.81	0.21	--

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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
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
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

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

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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	--	--	--
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

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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
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
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

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

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EW-1	7/22/19	4"	120 - 145	145	3987.79	133.92	3856.42	130.53	3.39	2.00
EW-1	8/5/19	4"	120 - 145	145	3987.79	133.91	3856.47	130.46	3.45	1.30
EW-1	8/19/19	4"	120 - 145	145	3987.79	133.97	3856.41	130.53	3.44	2.50
EW-1	9/6/19	4"	120 - 145	145	3987.79	133.92	3856.45	130.49	3.43	2.00
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
EW-1	06/09/21	4"	120 - 145		3987.79	134.28	3856.04	130.92	3.36	--
EW-1	07/20/21	4"	120 - 145		3987.79	133.68	3856.26	130.82	2.86	--
EW-1	09/14/21	4"	120 - 145		3987.79	133.85	3856.23	130.81	3.04	6.50
EW-1	10/21/21	4"	120 - 145		3987.79	133.96	3856.19	130.82	3.14	4.50
EW-1	11/10/21	4"	120 - 145		3987.79	134.21	3856.01	130.98	3.23	6.00
EW-1	12/22/21	4"	120 - 145		3987.79	134.58	3855.81	131.12	3.46	5.00
TW-11	04/05/10				3989.11	130.27	3858.84	--	--	--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

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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	--	--	--
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-11	06/09/21			188.20	3989.11	130.71	3858.40	--	--	--
TW-11	11/10/21			188.13	3989.11	129.00	3860.11	--	--	--
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	--	--	--

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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-13	06/09/21			176.43	3988.73	133.46	3855.27	--	--	--
TW-13	11/10/21			176.40	3988.73	133.44	3855.29	--	--	--
TW-20	11/05/12				3988.40	130.40	3858.00	--	--	--
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	--	--	--
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	--	--	--

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
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 toc - 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 begining in October 2010; however, data regarding thickness of LNAPL is not available (Stantec, 2010, 2010 Groundwater Monitoring Report, Buckeye Compressor Station, Lea County, New Mexico, December 2010).
Well MW-25 and MW-26 were installed in April 2015.
-- = Not Measured or Not Applicable

Appendix F

Summary of Historical Groundwater Analytical Results

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
		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-1	6/9/21	***0.0749***	<0.000412	<0.000160	<0.000510	0.242 B	1.02	1.262 B			
MW-1	11/10/21	***0.204***	<0.000412	<0.000160	<0.000510	--	--	--			
MW-1	6/30/22	***0.0436***	<0.000278	<0.000137	<0.000174	0.368	0.770	2.46	49.2		
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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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			
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-2	6/9/21	**0.0099**	<0.000412	<0.000160	<0.000510	0.0727 B J	0.216	0.289			
MW-2	11/10/21	**0.0758**	<0.000412	0.000175 J	<0.000510	--	--	--			
MW-2	6/30/22	***0.0176***	0.00278	<0.000137	<0.000174	0.405	0.0738	0.4788	-98.4		
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										Nry--H2ry
MW-3	12/20/05										Nry--H2ry
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										Nry-- a ass
MW-3	5/20/08	***1.40***	0.085	0.034	0.045				63		
MW-3	10/16/08										Na b d u
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										Nry--LN PL
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										Nry--LN PL
MW-3	2/11/14										Nry--LN PL
MW-3	10/27/14										Nry--LN PL
MW-3	2/24/15										Nry--LN PL
MW-3	10/28/15										Nry--LN PL
MW-3	2/29/16										Nry--LN PL
MW-3	8/23/16	***6.60***	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW-3	3/3/17										Nry--LN PL
MW-3	8/30/17										Nry--LN PL
MW-3	4/5/18										Nry--LN PL
MW-3	8/29/18										Nry--LN PL
MW-3	1/29/19										Nry--LN PL
MW-3	12/20/19										Nry--LN PL
MW-3	4/7/20										Nry--LN PL
MW-3	6/8/21										Nry--LN PL
MW-3	11/10/21										Nry--LN PL
MW-3	6/30/22										Nry--LN PL
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	

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
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			
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-4	6/9/21	***11.40***	0.000655 J	0.00543	0.00555	31.90	0.618	32.5			
MW-4	11/10/21	***15.80***	<0.0412	<0.0160	<0.0510	--	--	--			
MW-4	6/30/22	***12.7***	0.000278	0.0212	0.00118	32.6	0.502	33.28	74.5		
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										Nry - a sulm u a
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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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-5	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.223	0.223			
MW-5	11/10/21										Nry
MW-5	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.0714	84.8		
MW-6	6/20/02	***0.444***	<0.001	<0.001	<0.001				28.4	329	
MW-6	10/9/02	***5.45***	<0.010	<0.010	0.032						
MW-6	8/12/03	***1.63***	<0.005	<0.005	0.010						
MW-6	8/10/04	***0.827***	0.001	0.001	0.006				24.8	318	
MW-6	2/18/05	***1.62***	<0.0050	<0.0050	0.000				31.9	368	
MW-6	12/21/05	***1.8***	<0.001	<0.002	0.005 J				25.8		
MW-6	4/11/06	***1.5***	0.330	0.043	0.049				49.5		
MW-6	10/12/06	***2.2***	<0.001	0.0028 J	0.015				39.1		
MW-6	5/1/07	***0.850***	0.0050 J	0.0028	0.007				26.3	282	
MW-6	10/24/07	***1.1***	0.0005 J	0.0049	0.009				37.9		
MW-6	5/20/08	***0.940***	0.0012	0.0073	0.015				24.1		
MW-6	10/16/08	***0.530***	0.001 J	0.0023 J	0.0051 J				22.9		
MW-6	4/16/09	***1.4***	0.0003 J	0.0027	0.011				22.1		
MW-6	9/29/09	***1.9***	0.0035	0.0054	0.025				27		
MW-6	4/6/10	***1.600***	0.0004 J	0.0083	0.028						
MW-6	10/7/10	***0.460***	0.0051	0.0015	0.0063						
MW-6	4/21/11	***0.800***	0.0031	<0.00020	0.00089 J	1.60	<0.020		27.5		
MW-6	10/20/11	***0.289***	<0.00200	<0.00100	<0.00100	<1.50	2.21		40.9		
MW-6	4/27/12	***0.250***	<0.00200	<0.00100	<0.00100	<1.50	<1.50		50.0		
MW-6	11/12/12	***0.807***	<0.02000	<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-6	6/9/21	0.000947	<0.000412	<0.000160	<0.000510	0.0374 B J	0.342	0.379			
MW-6	11/10/21	**0.386**	<0.000412	0.000311 J	0.00191 B	--	--	--			
MW-6	6/30/22	***0.00682***	<0.000278	<0.000137	<0.000174	0.107	0.0317	1.79	47.4		
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		

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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			
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-7	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	0.0388 B J	0.0629 J	0.102			
MW-7	11/10/21										Nry
MW-7	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2		
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										Nry--LN PL
MW-8	4/18/11										Nry--LN PL
MW-8	10/18/11										Nry--LN PL
MW-8	4/23/12										Nry--LN PL
MW-8	11/5/12										Nry--LN PL
MW-8	4/23/13										Nry--LN PL
MW-8	10/22/13										Nry--LN PL
MW-8	2/11/14										Nry--LN PL
MW-8	10/27/14										Nry--LN PL
MW-8	2/24/15										Nry--LN PL
MW-8	10/26/15										Nry--LN PL
MW-8	2/29/16										Nry--LN PL
MW-8	8/22/16										Nry--LN PL
MW-8	3/3/17										Nry--LN PL
MW-8	8/31/17	***3.25***	***2.92***	0.728	***1.11***	24.5	8.17	35.6			
MW-8	4/3/18										Nry--LN PL
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										Nry--LN PL
MW-8	6/8/21										Nry--LN PL
MW-8	11/10/21										Nry--LN PL
MW-8	6/30/22										Nry--LN PL
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	

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
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	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										Nry--LN PL
MW-9	4/23/12										Nry--LN PL
MW-9	11/5/12										Nry--LN PL
MW-9	4/23/13										Nry--LN PL
MW-9	10/22/13										Nry--LN PL
MW-9	2/11/14										Nry--LN PL
MW-9	10/27/14										Nry--LN PL
MW-9	2/24/15										Nry--LN PL
MW-9	10/26/15										Nry--LN PL
MW-9	2/29/16										Nry--LN PL
MW-9	8/22/16										Nry--LN PL
MW-9	3/3/17										Nry--LN PL
MW-9	8/30/17										Nry--LN PL
MW-9	4/3/18										Nry--LN PL
MW-9	8/29/18										Nry--LN PL
MW-9	1/29/19										Nry--LN PL
MW-9	12/19/19										Nry--LN PL
MW-9	4/6/20										Nry--LN PL
MW-9	6/8/21										Nry--LN PL
MW-9	11/10/21										Nry--LN PL
MW-9	6/30/22										Nry--LN PL
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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
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-10	6/9/21	0.000213 J	<0.000412	<0.000160	<0.000510	<0.0314	0.445	0.445			
MW-10	11/10/21										Nry
MW-10	6/30/22	D M ED	OT ry MPLED								
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 --										Dasulatad
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										Nry--wa d a gad
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			
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-12	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0735 J	0.0735 J	--	--	
MW-12	11/10/21	<0.000190	0.000502 B J	<0.000160	<0.000510	--	--	--	--	--	
MW-12	6/30/22	<0.0000941	<0.000278	<0.00137	<0.000174	<0.0314	0.0559	<0.0118	40.9		
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		

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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										Nry--absulm uad
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			
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-13	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.355	0.355			
MW-13	11/10/21	0.00197	<0.000412	<0.000160	<0.000510	--	--	--			
MW-13	6/30/22	0.000124	<0.000278	<0.000137	<0.000174	<0.0314	0.551	1.35	76.9		
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										Nry
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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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-14	6/9/21	<0.000190	<0.000412	<0.000160	0.000646 J	0.41	0.675	1.085			
MW-14	11/10/21	0.0014	<0.000412	<0.000160	<0.000510	--	--	--			
MW-14	6/30/22	<0.000113	<0.0050	<0.000137	<0.000174	0.221	0.302	0.983	12.1		
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-15	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.154	0.154			
MW-15	11/10/21										Nry
MW-15	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0519	0.14	51.3		
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				

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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-16	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	0.25 J			
MW-16	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0921 J	0.0921 J			
MW-16	11/10/21										Nry
MW-16	6/30/22	0.000107	<0.000278	<0.000137	<0.000174	<0.0314	0.316	0.115	69.1		
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-17	6/8/21	***1.00***	<0.000412	0.000363 J	<0.000510	1.7	0.147	1.9			
MW-17	11/10/21	***4.94***	<0.000412	0.00125	<0.000510	--	--	--			
MW-17	6/30/22	***6.65***	<0.000279	<0.000684	0.000528	12.9	0.336	13.394			
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		

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
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	0.002	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-18	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.254	0.254			
MW-18	11/10/21	0.000307 J	<0.000412	<0.000160	<0.000510	--	--	--			
MW-18	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.201	0.825			
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										Nry--LN PL
MW-19	10/08/08										Nry--LN PL
MW-19	04/16/09										Nry--LN PL
MW-19	9/28/09										Nry--LN PL
MW-19	4/5/10										Nry--LN PL
MW-19	10/5/10										Nry--LN PL
MW-19	4/18/11										Nry--LN PL
MW-19	10/18/11										Nry--LN PL
MW-19	4/23/12										Nry--LN PL
MW-19	11/5/12										Nry--LN PL
MW-19	4/23/13										Nry--LN PL
MW-19	10/22/13										Nry--LN PL
MW-19	2/11/14										Nry--LN PL
MW-19	10/27/14										Nry--LN PL
MW-19	2/24/15										Nry--LN PL
MW-19	10/26/15										Nry--LN PL
MW-19	2/29/16										Nry--LN PL
MW-19	8/22/16										Nry--LN PL
MW-19	3/3/17										Nry--LN PL
MW-19	8/30/17										Nry--LN PL
MW-19	4/3/18										Nry--LN PL
MW-19	8/27/18										Nry--LN PL
MW-19	1/29/19										Nry--LN PL
MW-19	12/19/19										Nry--LN PL
MW-19	4/9/20										Nry--LN PL
MW-19	6/8/21										Nry--LN PL
MW-19	11/10/21										Nry--LN PL
MW-19	6/30/22										Nry--LN PL
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	

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
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-20	4/7/20	0.00027 J	0.0012	0.00032 J	<0.00037	<0.023	<0.046	<0.15			
MW-20	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.124	0.124			
MW-20	11/10/21										Nry
MW-20	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.024	36.6		
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										Nry-- a sulm u a
MW-21	4/5/10										Nry-- a sulm u a
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										Nry--Chamla la
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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
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-21	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.107	0.107			
MW-21	11/10/21	0.000222 J	<0.000412	<0.000160	<0.000510	--	--	--			
MW-21	6/30/22	0.000169	<0.000278	<0.000137	<0.000174	<0.0314	0.0618	0.142	92.4		
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			
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-22	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0958 J	0.0958 J			
MW-22	11/10/21	<0.000190	0.000833 B J	<0.000160	<0.000510	--	--	--			
MW-22	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.103	0.281	39.6		
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		
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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
MW-23	4/10/20	0.00033 J	<0.00020	<0.00021	<0.00037	<0.023		<0.16			
MW-23							<				Nry-U b a ua a ua
MW-23							0				Nry-U b a ua a ua
MW-23							.				Nry-U b a ua a ua
MW-24	10/22/07	0.0026	<0.0002	<0.0002	<0.0006		0		80.4		
MW-24	5/15/08	**0.023**	<0.0002	0.0007 J	<0.0006		4		28.8		
MW-24	10/15/08	**0.002**	0.0003 J	<0.0002	<0.003		7		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-24	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.117	0.117			
MW-24	11/10/21										Nry
MW-24	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.129	0.182			
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-25	4/7/20	<0.00018	0.00028 J	0.00021 J	<0.00037	<0.023	<0.045	<0.15			
MW-25	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0851 J	0.0851 J			
MW-25	11/10/21										Nry
MW-25	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.035	0.085	84.8		
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			
MW-26	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0558 J	0.0558 J			
MW-26	11/10/21										Nry
MW-26	6/30/22	0.000268	<0.000278	<0.000137	<0.000174	<0.0314	0.0723	<0.0118	60.6		
EW-1	10/4/10										Nry--LN PL
EW-1	4/18/11										Nry--LN PL

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
EW-1	10/18/11										Nry--LN PL
EW-1	4/23/12										Nry--LN PL
EW-1	11/5/12										Nry--LN PL
EW-1	4/23/13										Nry--LN PL
EW-1	10/22/13										Nry--LN PL
EW-1	2/11/14										Nry--LN PL
EW-1	10/27/14										Nry--LN PL
EW-1	2/24/15										Nry--LN PL
EW-1	10/26/15										Nry--LN PL
EW-1	2/29/16										Nry--LN PL
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										Nry--LN PL
EW-1	4/3/18										Nry--LN PL
EW-1	8/27/18										Nry--LN PL
EW-1	1/29/19										Nry--LN PL
EW-1	12/19/19										Nry--LN PL
EW-1	4/7/20										Nry--LN PL
EW-1	6/8/21										Nry--LN PL
EW-1	11/10/21										Nry--LN PL
EW-1											Nry--LN PL
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-11	6/8/21	0.000231 J	<0.000412	<0.000160	<0.000510	<0.0314	0.0653 J	0.0623 J			
TW-11	11/10/21	<0.000190	0.000650 B J	<0.000160	<0.000510	--	--	--			
TW-11	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.100	0.185	142		
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	0.002	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			

APPENDIX F
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		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
TW-13	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.026 J	<0.047	<0.16			
TW-13	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	0.0367 B J	0.181	0.218			
TW-13	11/10/21	0.000368 J	0.000502 B J	<0.000160	<0.000510	--	--	--			
TW-13	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.132	0.19	102		
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			P mggad d b da pl 2020								
Dmp-1 (MW-24)	4/16/09	***0.077***	0.0009 J	0.0028	0.0022 J				29.7		
Dmp-2 (MW-3)	4/16/09	***0.46***	0.067	0.011	0.019				51.5		
Dmp-100 (MW-18)	9/30/09	**0.0096**	0.0030	0.0007 J	0.0008 J				97.6		
Dmp-200 (MW-4)	9/30/09	***17.00***	0.110	0.310	0.140 J				56.7		
Dmp-100 (MW-12)	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006						
Dmp-101 (MW-4)	4/6/10	***25.0***	0.500	0.460	0.220 J						
Dmp-1 (MW-20)	10/6/10	0.0023	<0.0002	<0.0002	<0.0006						
Dmp-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		
Dmp-1 (MW-16)	10/18/11	0.00105	<0.00200	<0.00100	<0.00100	<1.50	1.85		56.3		
Dmp-2 (MW-4)	10/20/11	***21.8***	<0.0500	0.0750	0.0560	20.2	2.16		77.3		
Tl p B k	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp-04 (MW-20)	4/25/12	<0.00100	0.00445	<0.00100	<0.00100	<1.50	<1.50		16.5		
Tl p B k	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp-2 (MW-4)	4/26/12	***17.0***	<0.00100	<0.250	<0.250	15.7			77.0		
Dmp1 (TW-20)	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp2 (TW-13)	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Tl p B k	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp-1 (MW-10)											
Dmp-2 (MW-1)											
Dmp-1	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp-2	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp03	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Tl p B k	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp1 (MW-10)	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-1)	10/24/13	***6.10***	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Tl p B k	10/24/13	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp1 (MW-13)	2/10/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-5)	2/12/14	***0.05590***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp3 (MW-17)	2/14/14	***18.8***	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Tl p B k	2/14/14	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp1 (MW-18)	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dmp2 (MW-17)	10/30/14	***23.4***	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dmp1 (MW-16)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-7)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp3 (MW-2)	3/3/15	***0.0922***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-7)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp1 (MW-16)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-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			
Dmp-1 (MW-23)	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-2 (MW-26)	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-3 (MW-1)	3/3/16	***1.23***	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			
Dmp-1 (MW-23)	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

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

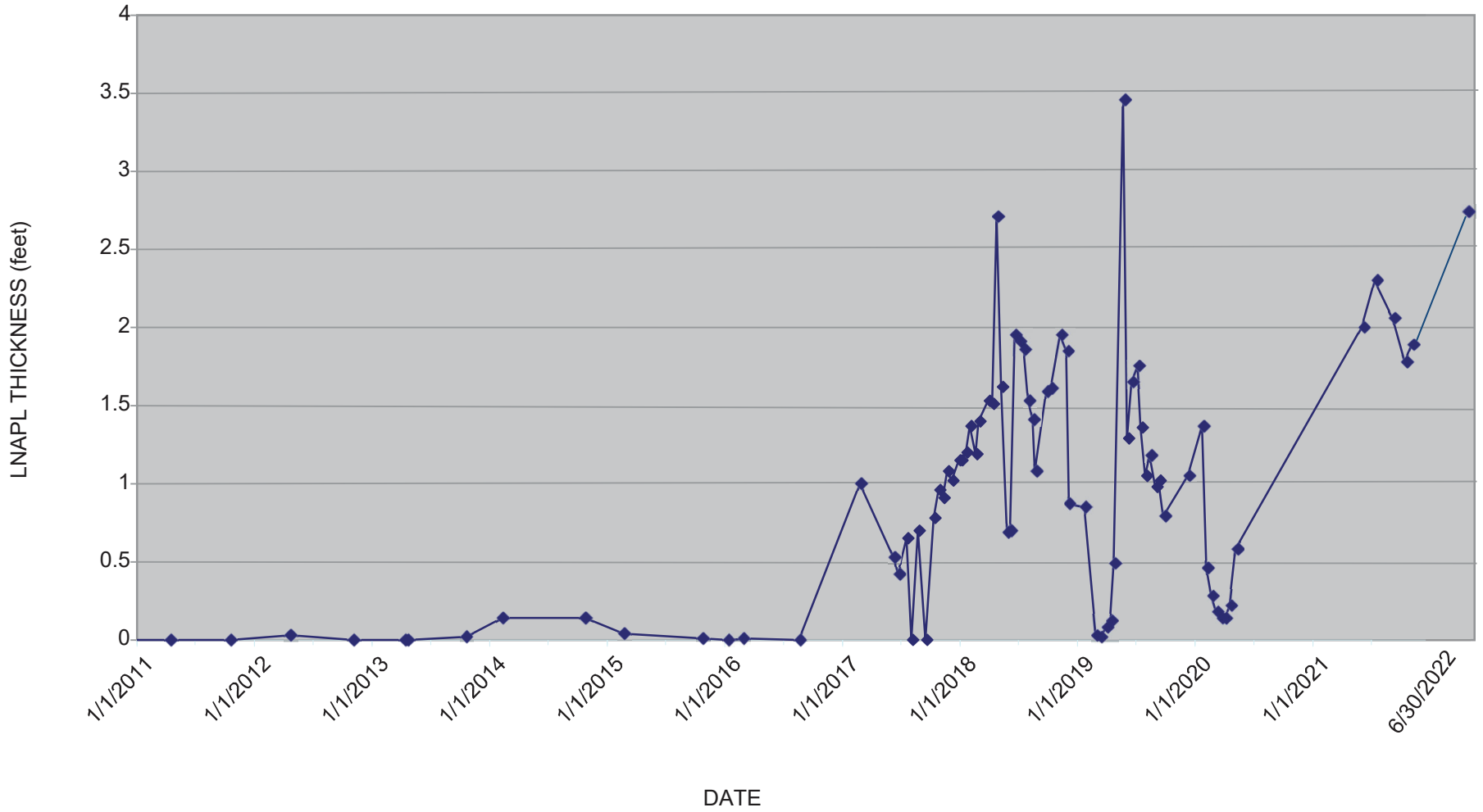
Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	*---*	*---*	*---*	*250 mg/L*	*1,000 mg/L*	
Dmp-2 (MW-20)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-3 (MW-25)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-1 (MW-23)	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-2 (MW-24)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-3 (MW-12)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-5)	8/31/17	***0.0993***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-6)	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (TW-20)	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-15)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-25)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-7)	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-7)	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-15)	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-24)	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-4)	12/19/19	***12.0***	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dmp (MW-14)	1/30/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dmp (MW-23)	2/1/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dmp (TW-20)	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dmp (MW-4)	4/9/20	**3.2**	0.0045 J	0.016	<0.020	**12.00**	0.055 J	<0.16			
Dmp (MW-1)	6/9/21	**0.0763**	<0.000412	<0.000160	<0.000510	**0.236 B**	0.995	1.231 B			
Dmp 1 (MW-17)	11/10/21	**5.12**	0.000961 B J	0.00141	0.00125 B J	**--**	--	--			

Appendix G

Charts of LNAPL Thickness Trends

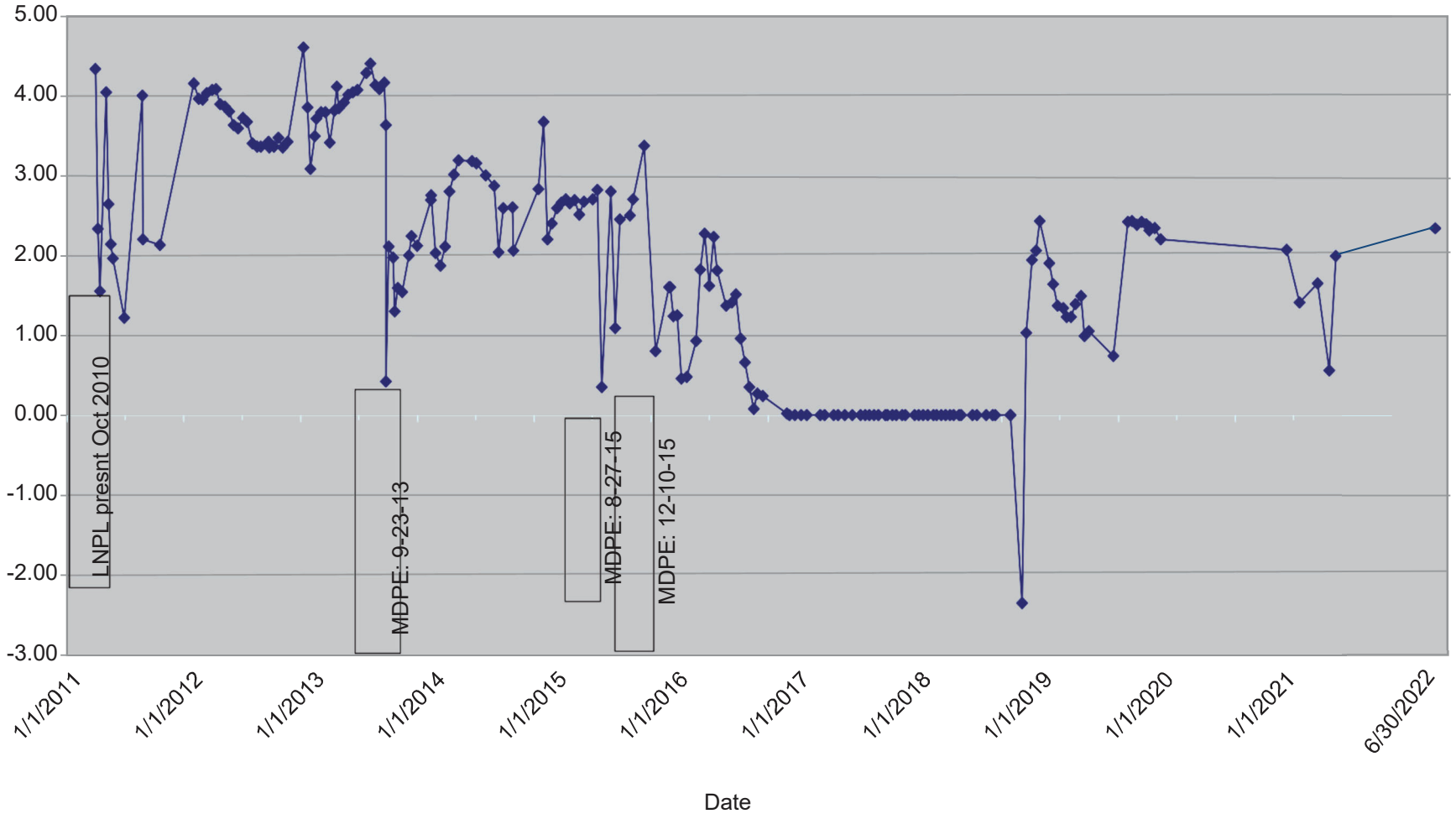
Released to Imaging: 3/14/2023 12:44:14 PM
Received by OCD: 1/13/2023 9:54:10 AM

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



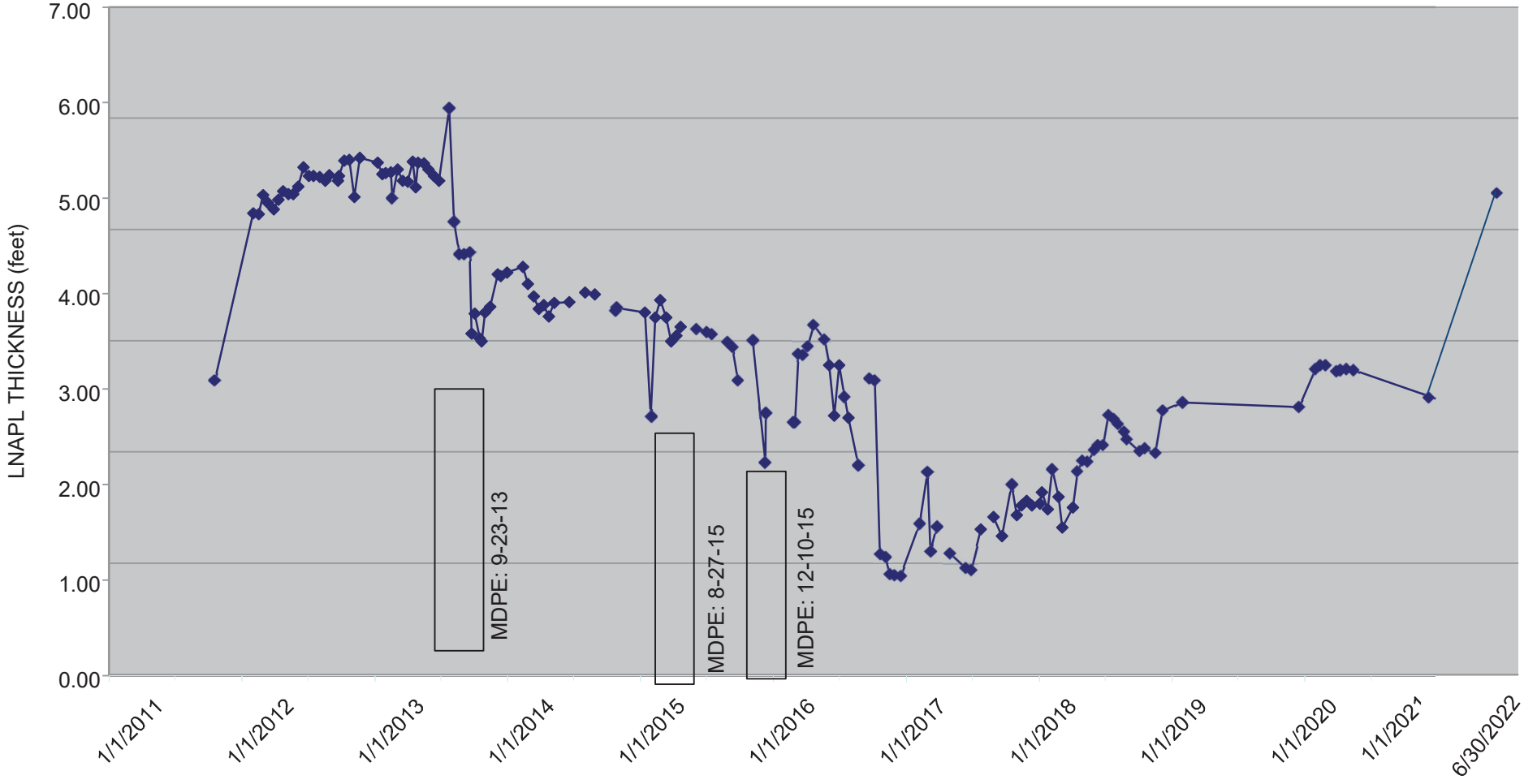
Released to Imaging: 3/14/2023 12:44:14 PM
Received by OCD: 1/13/2023 9:54:10 AM

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



Released to Imaging: 3/14/2023 12:44:14 PM
Received by OCD: 1/13/2023 9:54:10 AM

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



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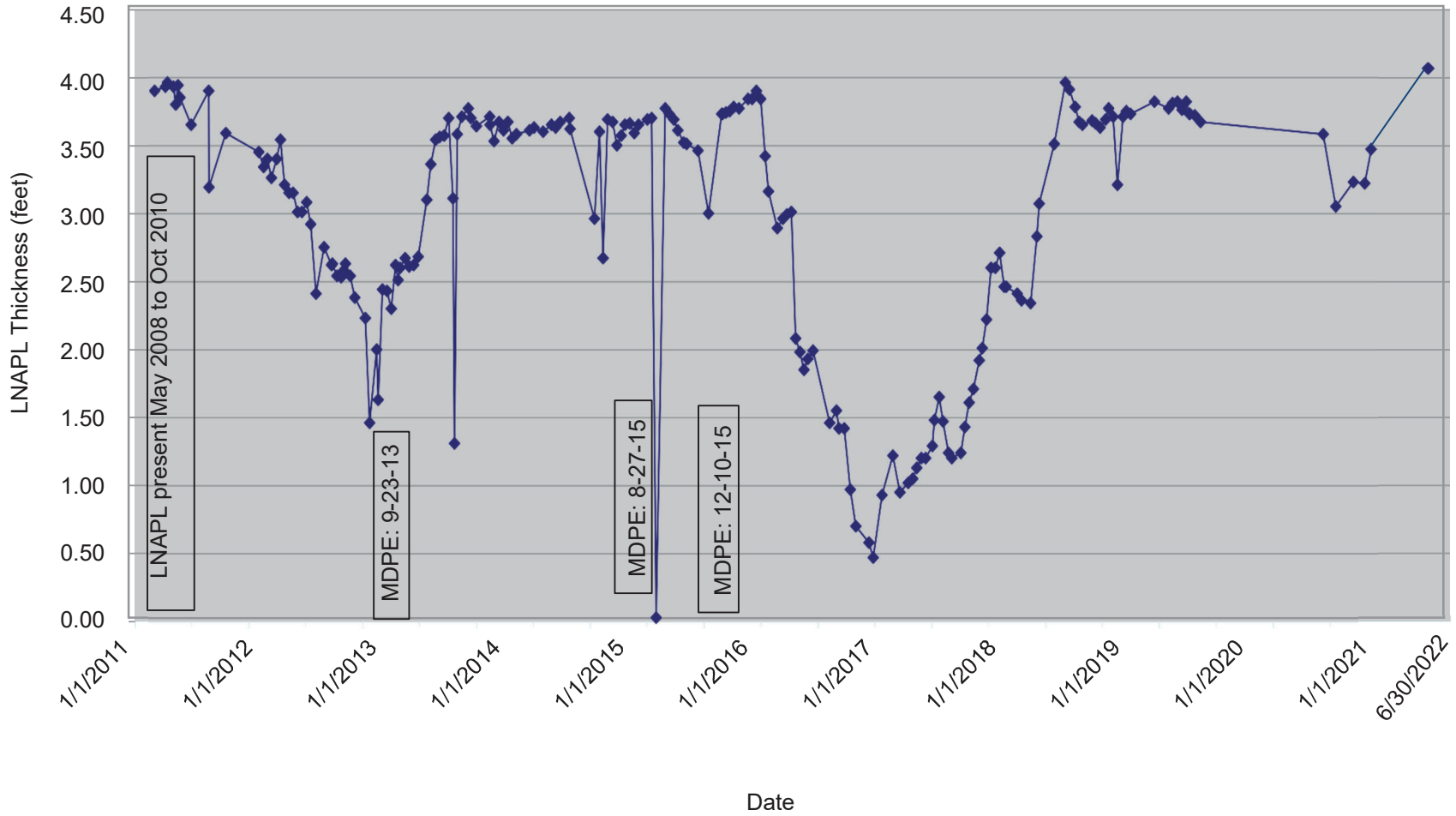
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-19



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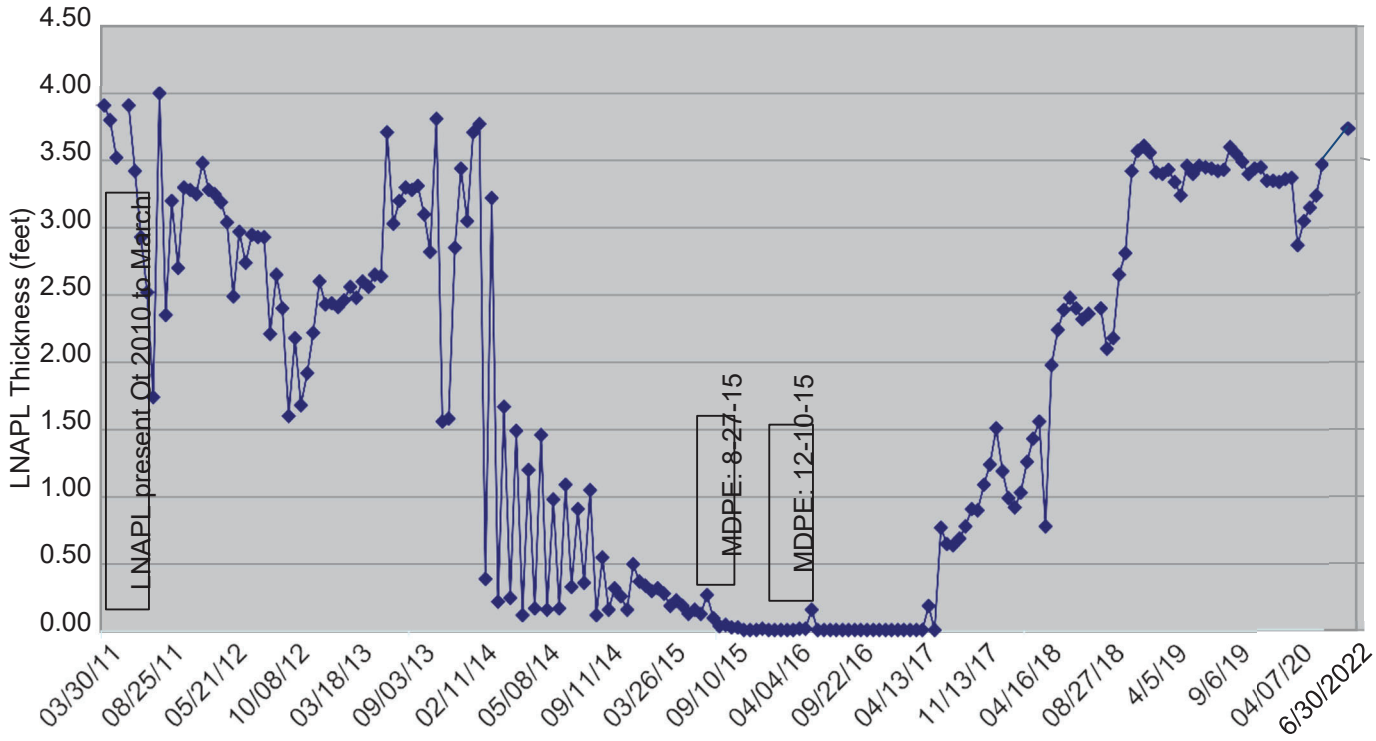
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)

EW-1



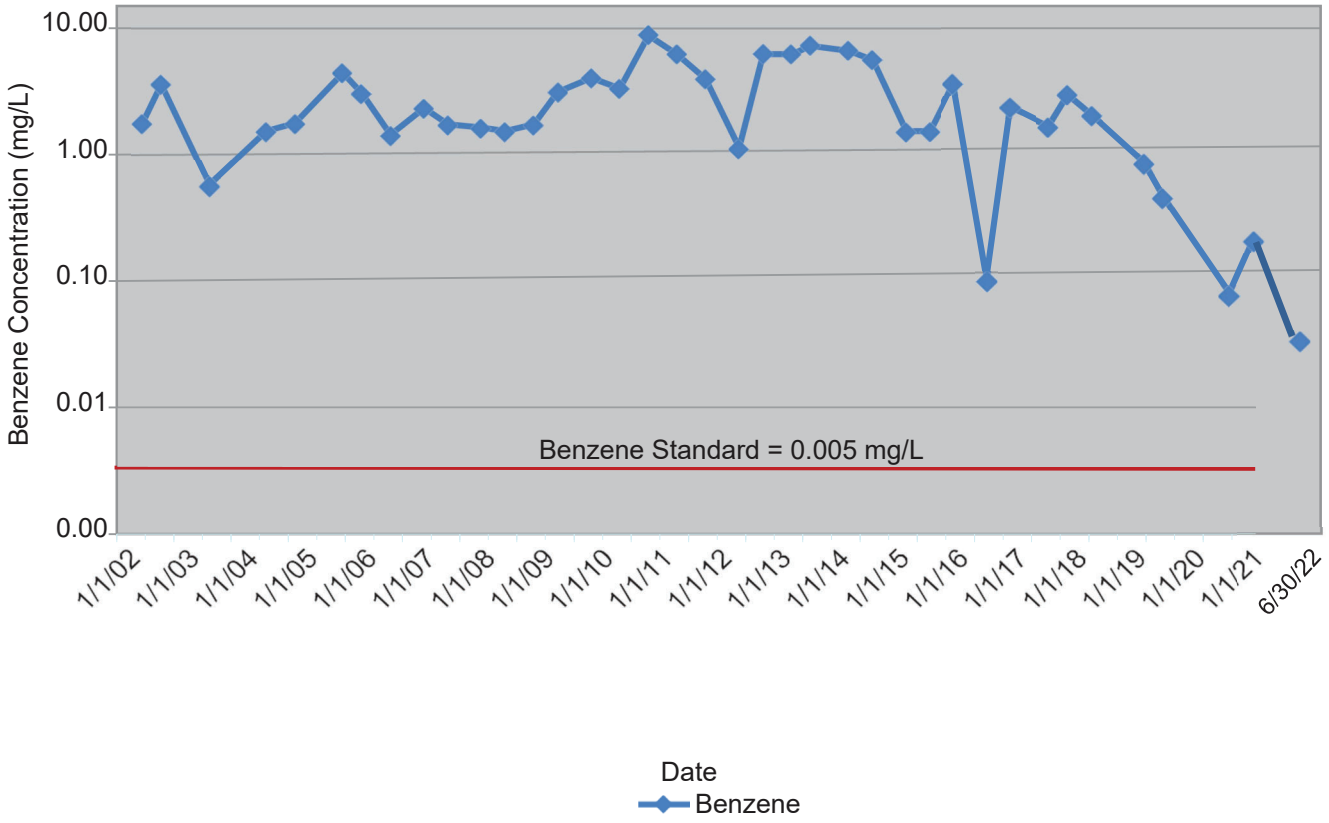
Date

Appendix H

Charts of Chemical Concentration Trends

Released to Imaging: 3/14/2023 12:44:14 PM
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-1



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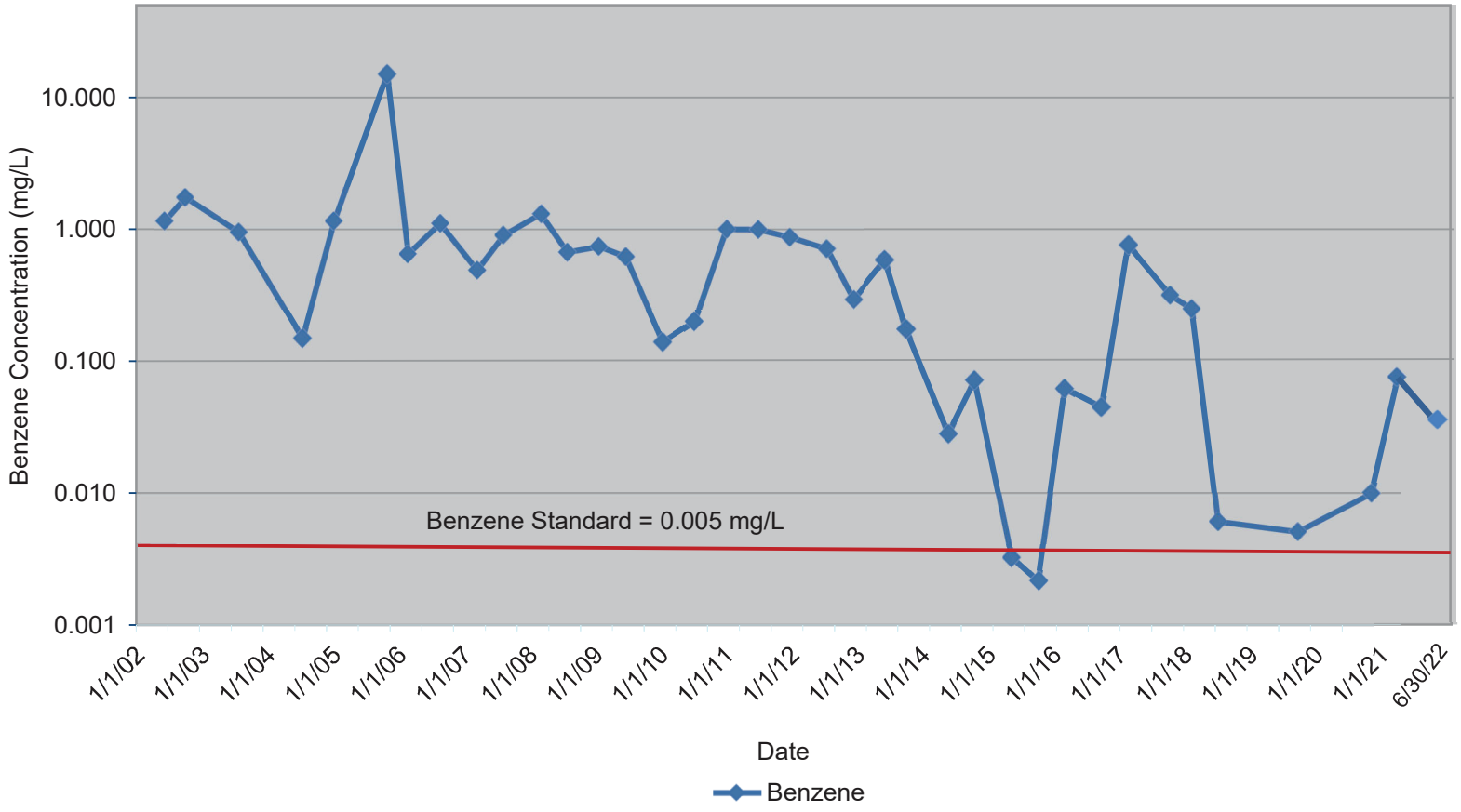
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-2



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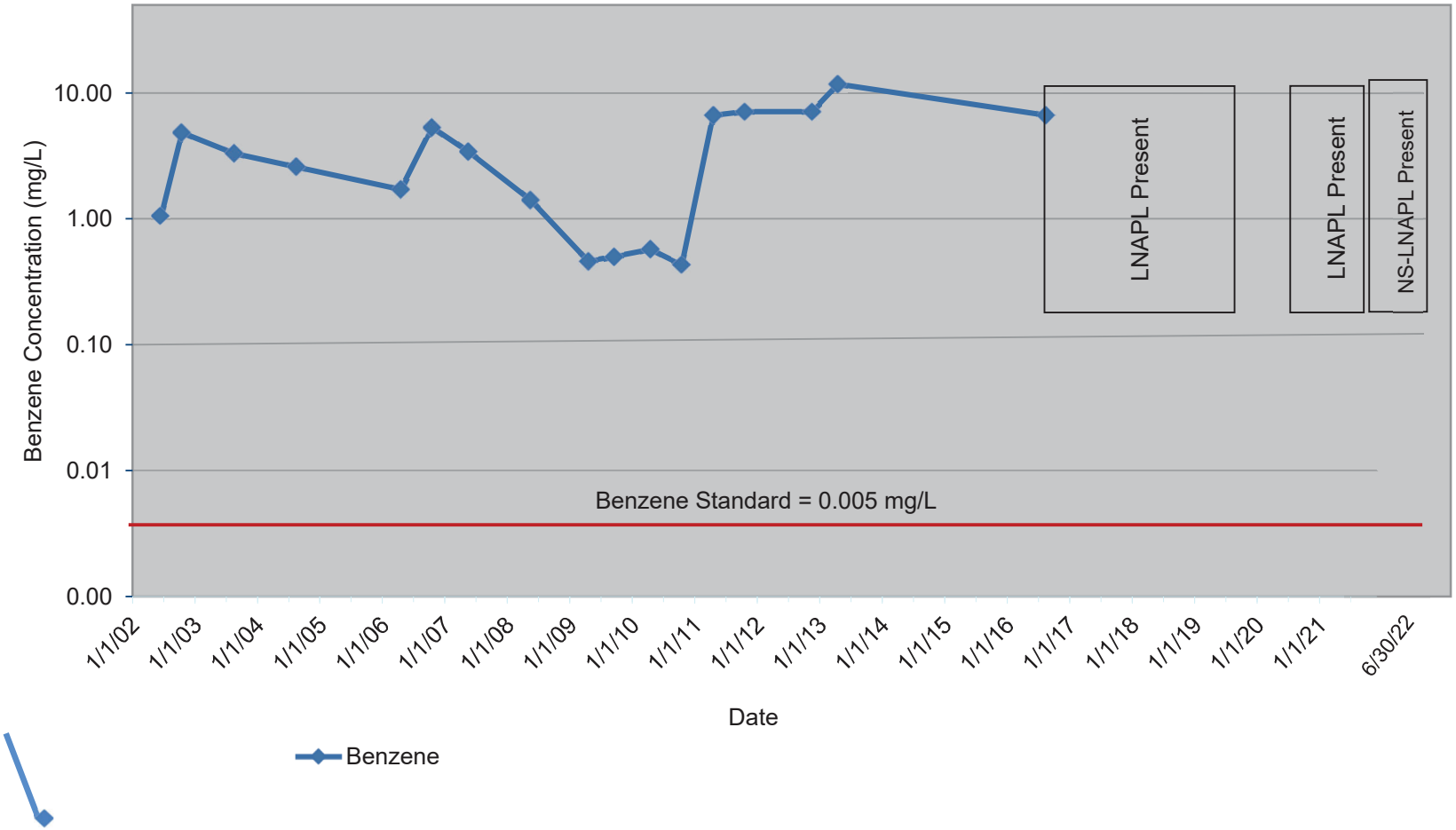
Received by OCD: 1/13/2023 9:54:10 AM

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



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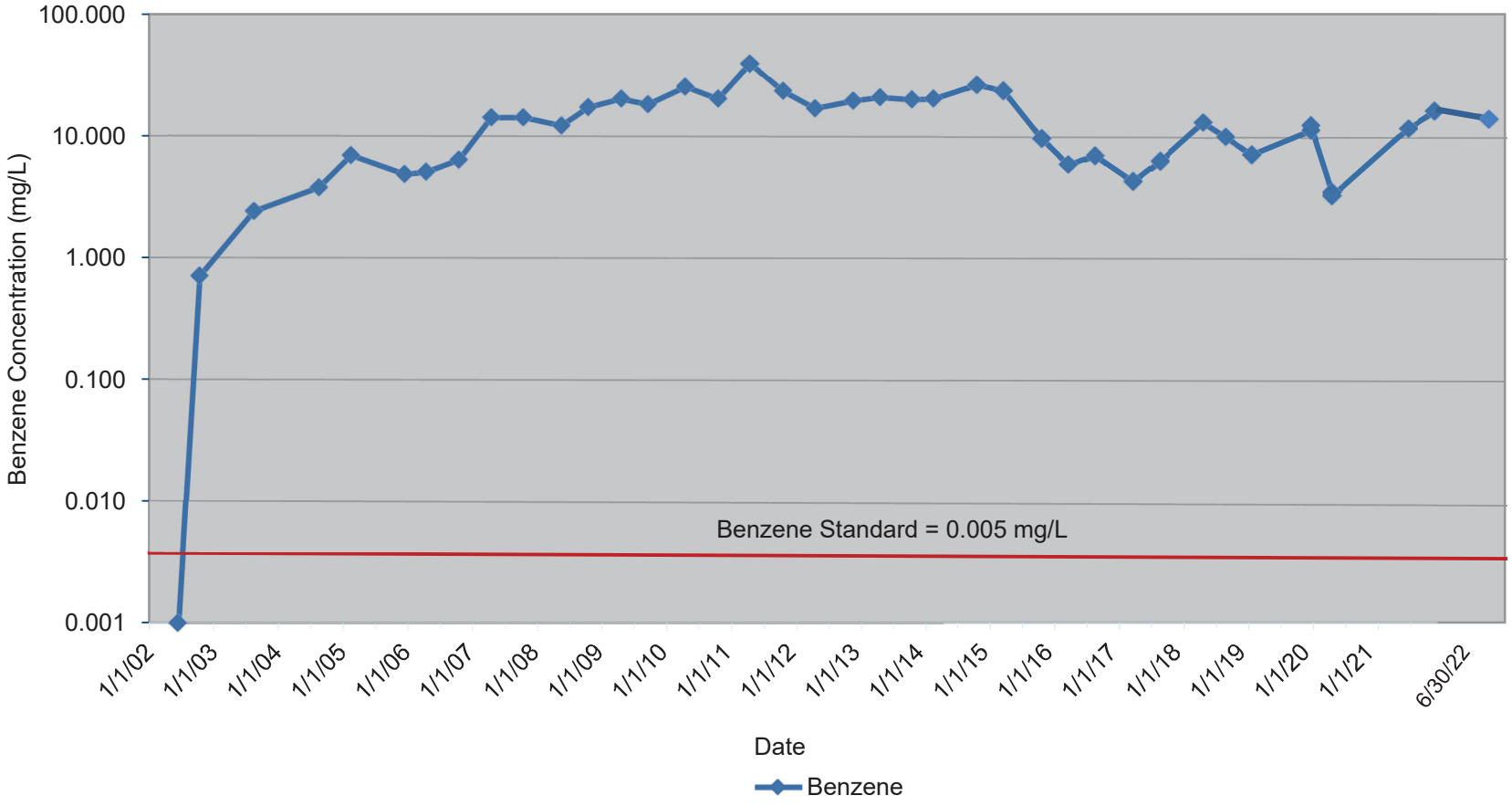
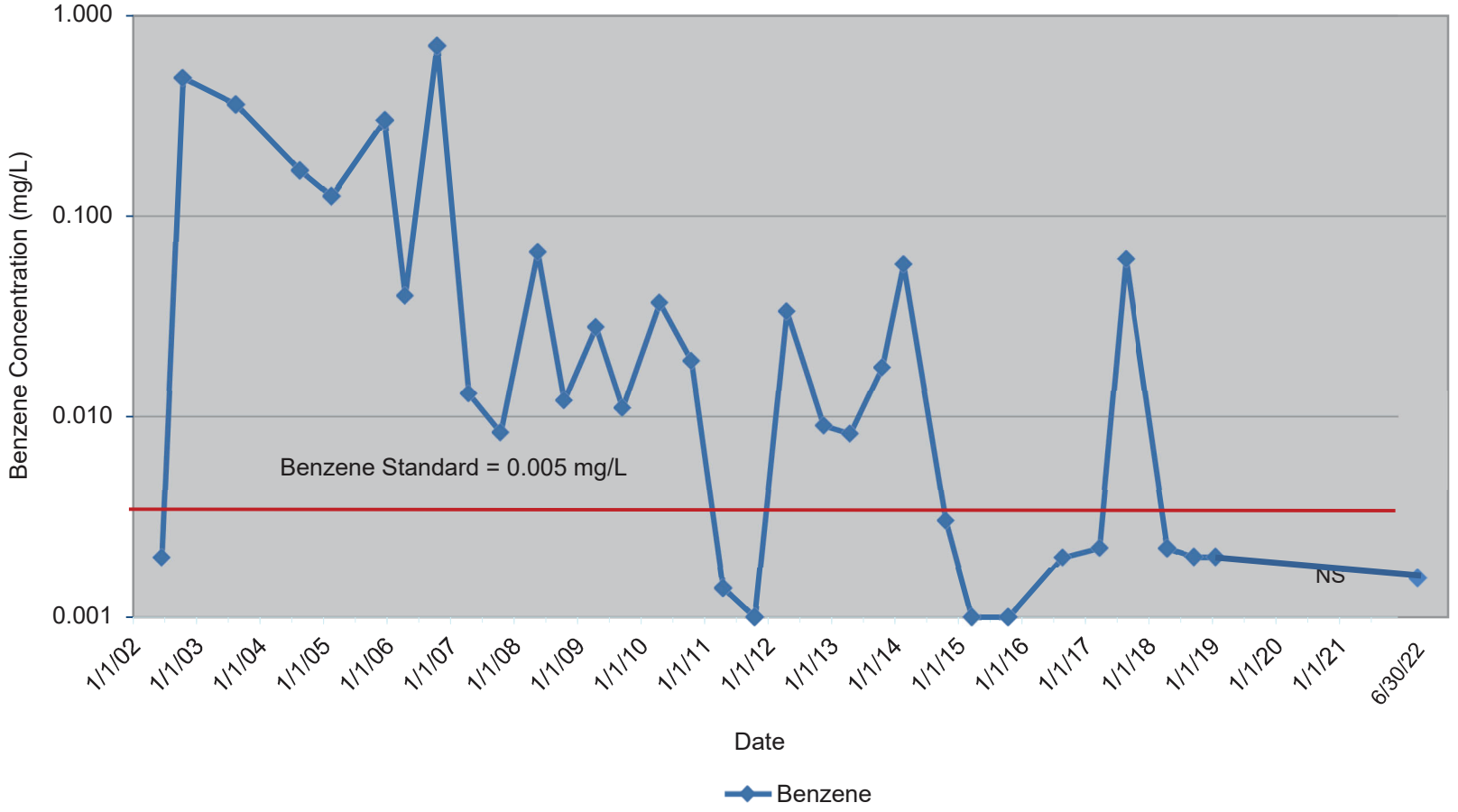
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-4



Released to Imaging: 3/14/2023 12:44:14 PM
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-5



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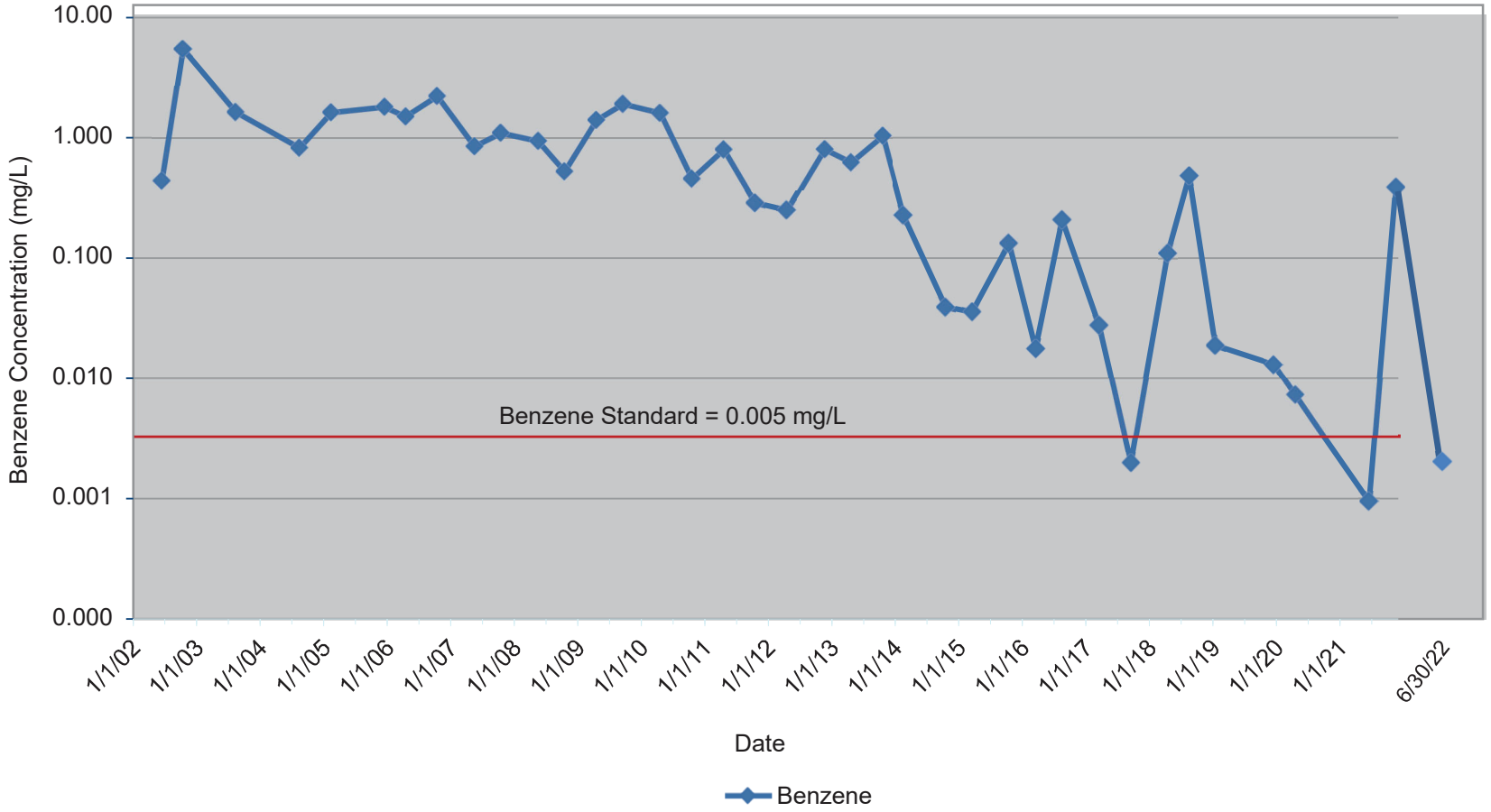
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-6



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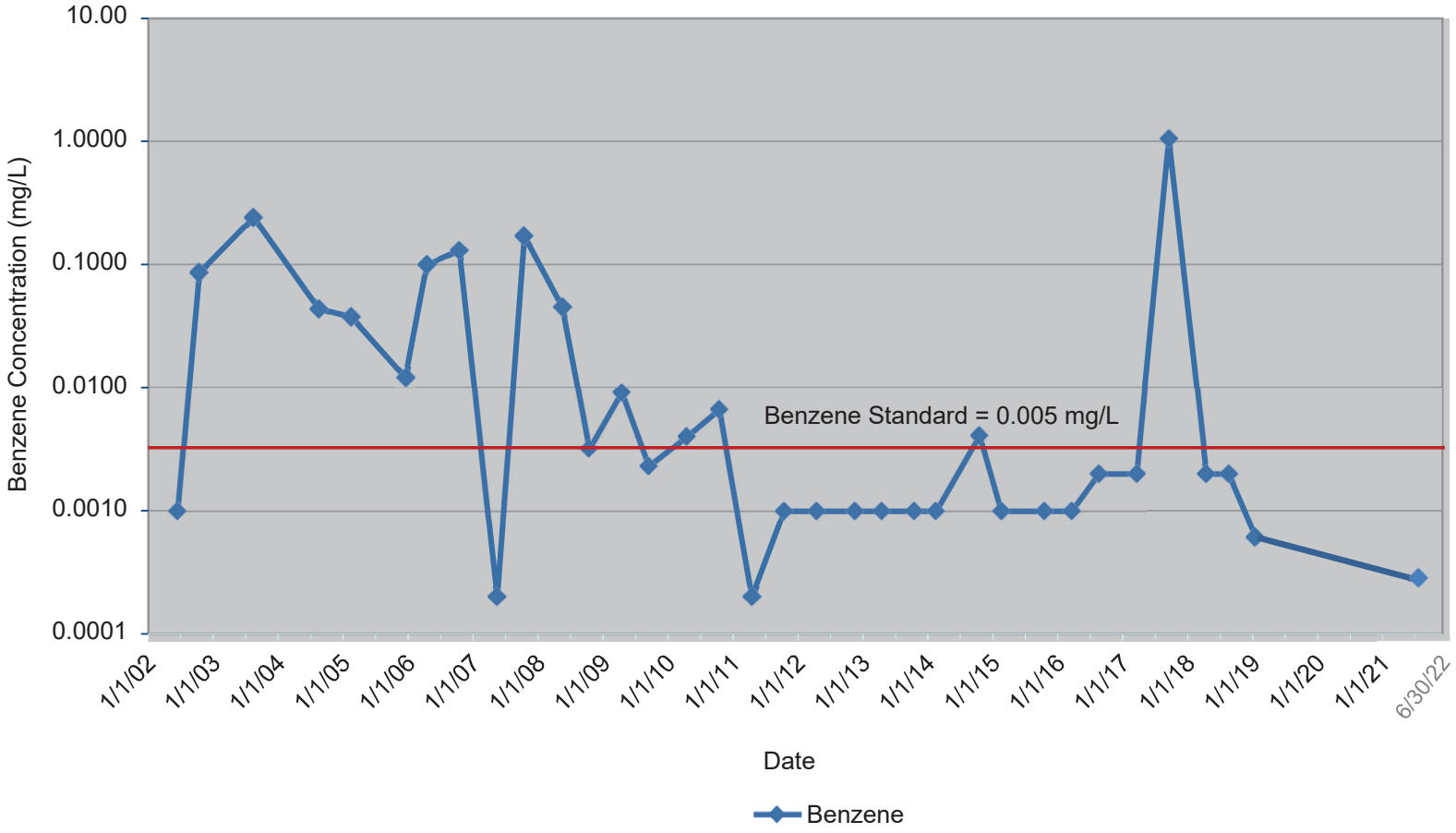
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-7



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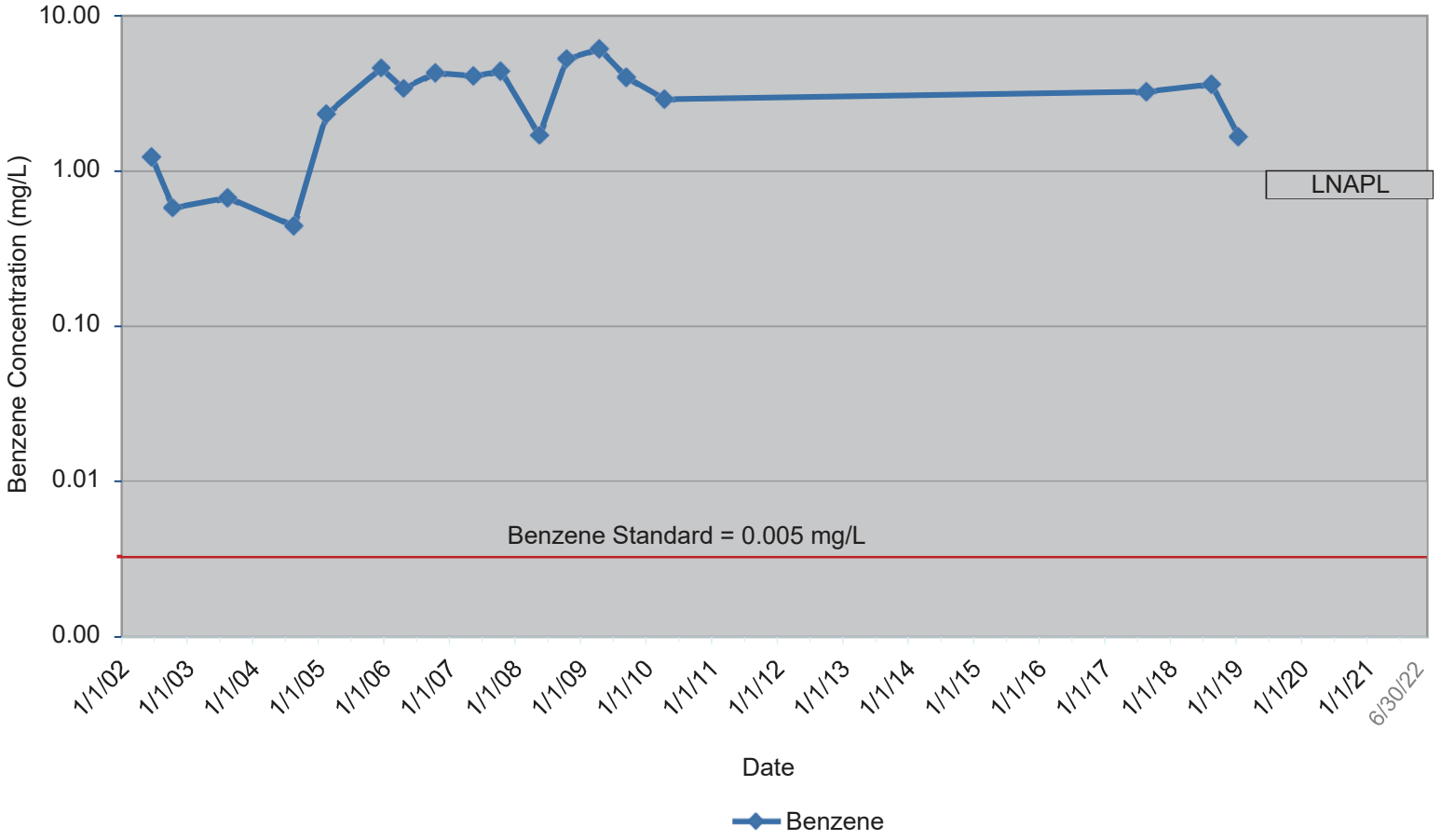
Received by OCD: 1/13/2023 9:54:10 AM

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



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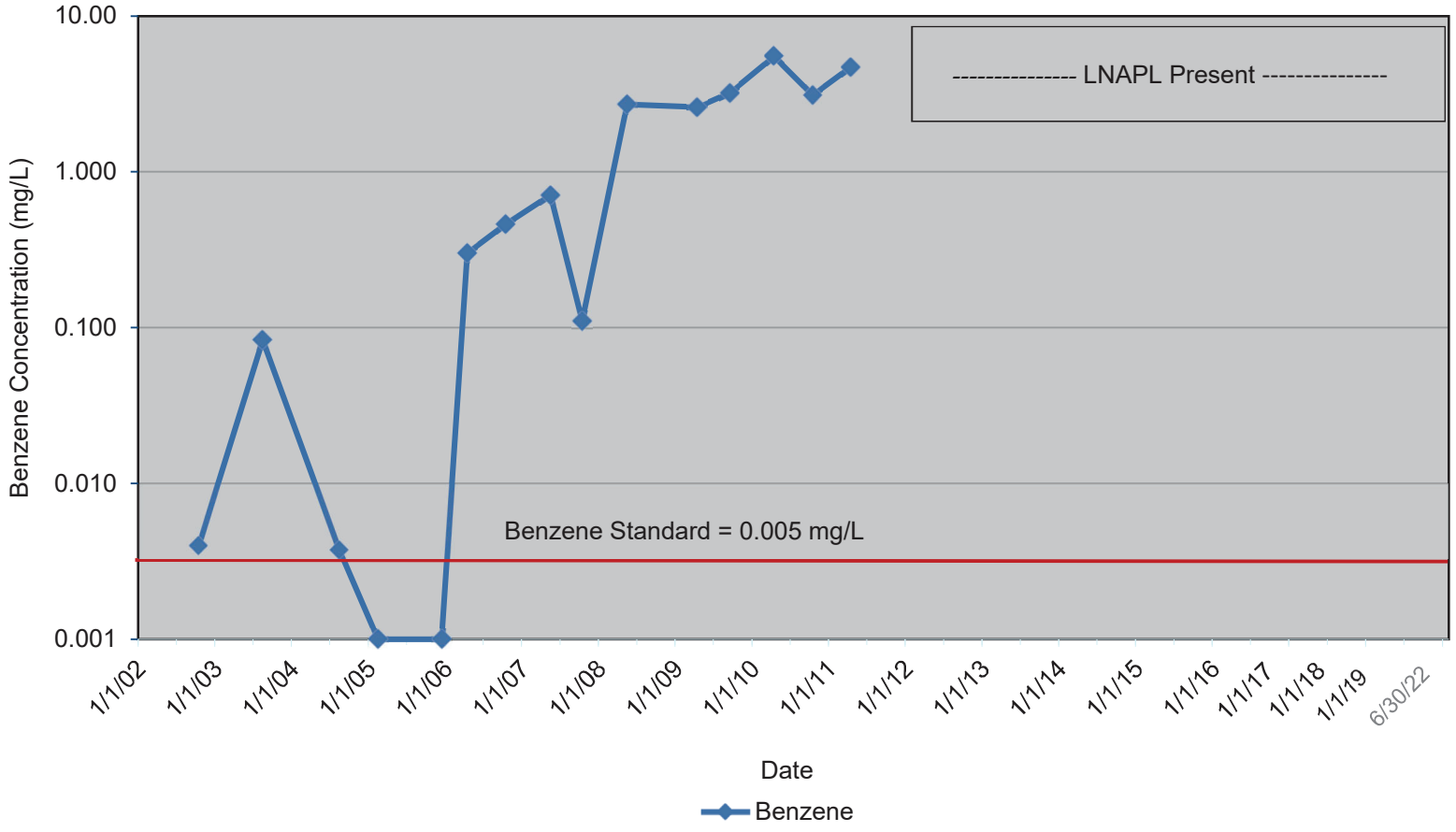
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-9



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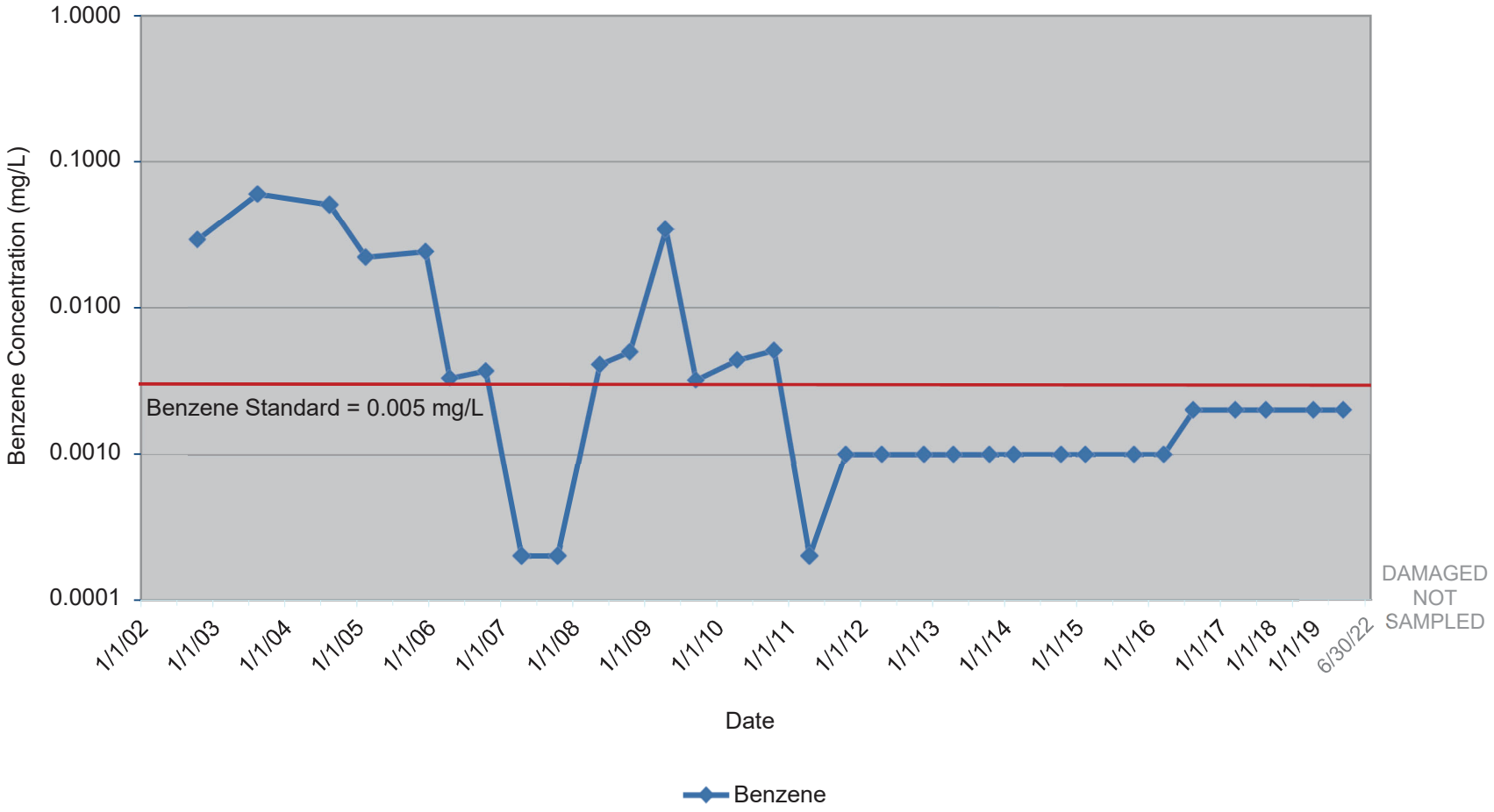
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-10



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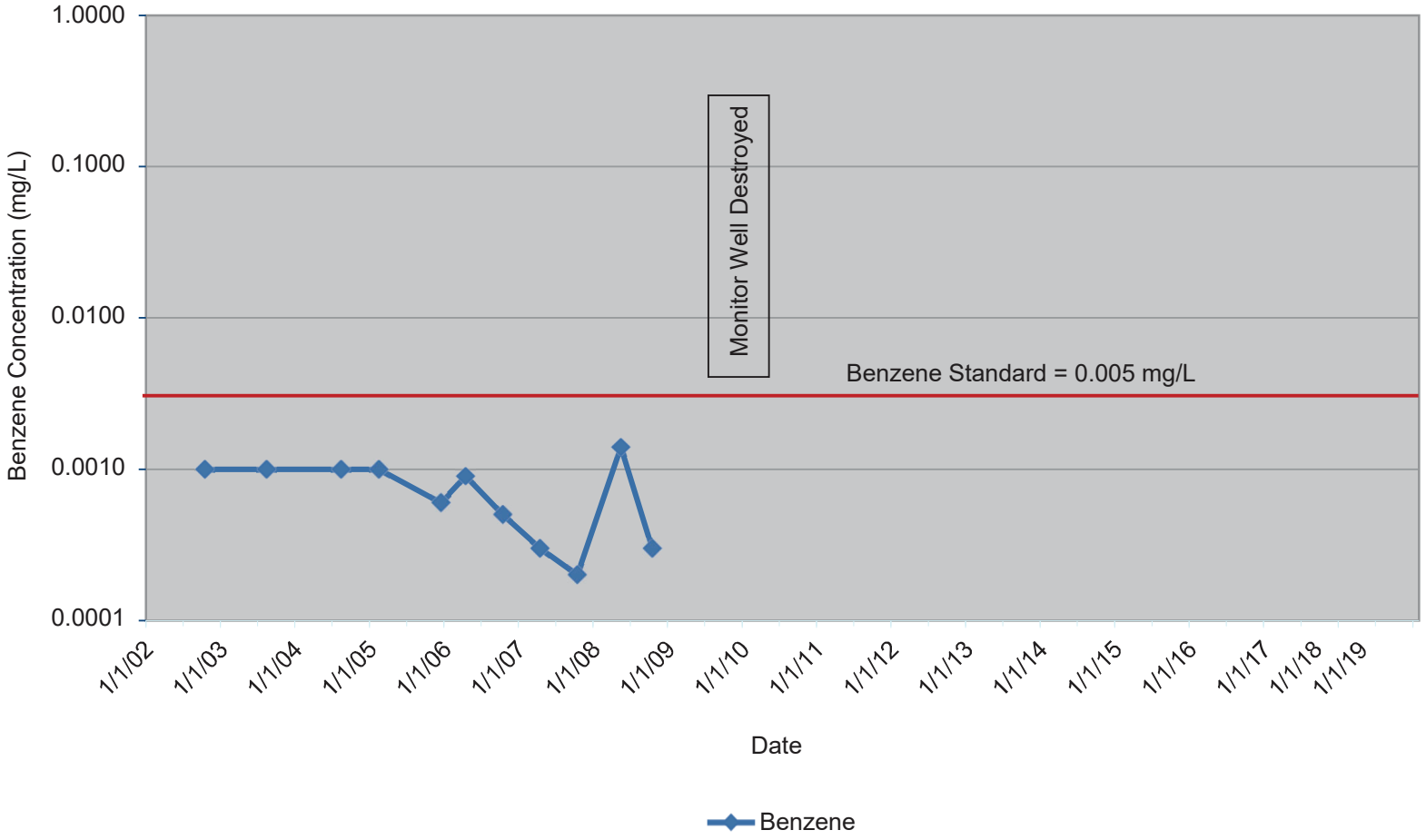
Received by OCD: 1/13/2023 9:54:10 AM

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



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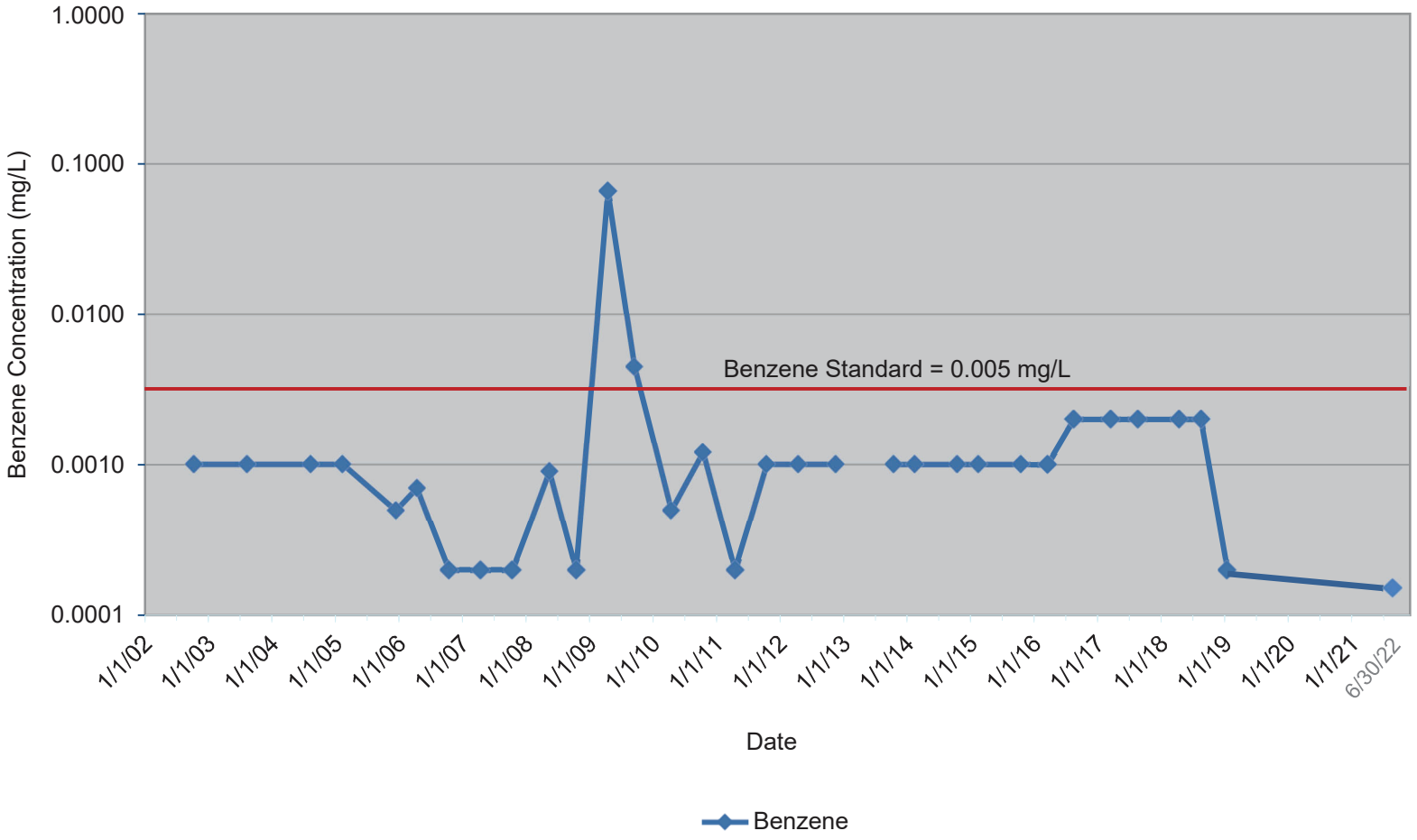
Received by OCD: 1/13/2023 9:54:10 AM

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



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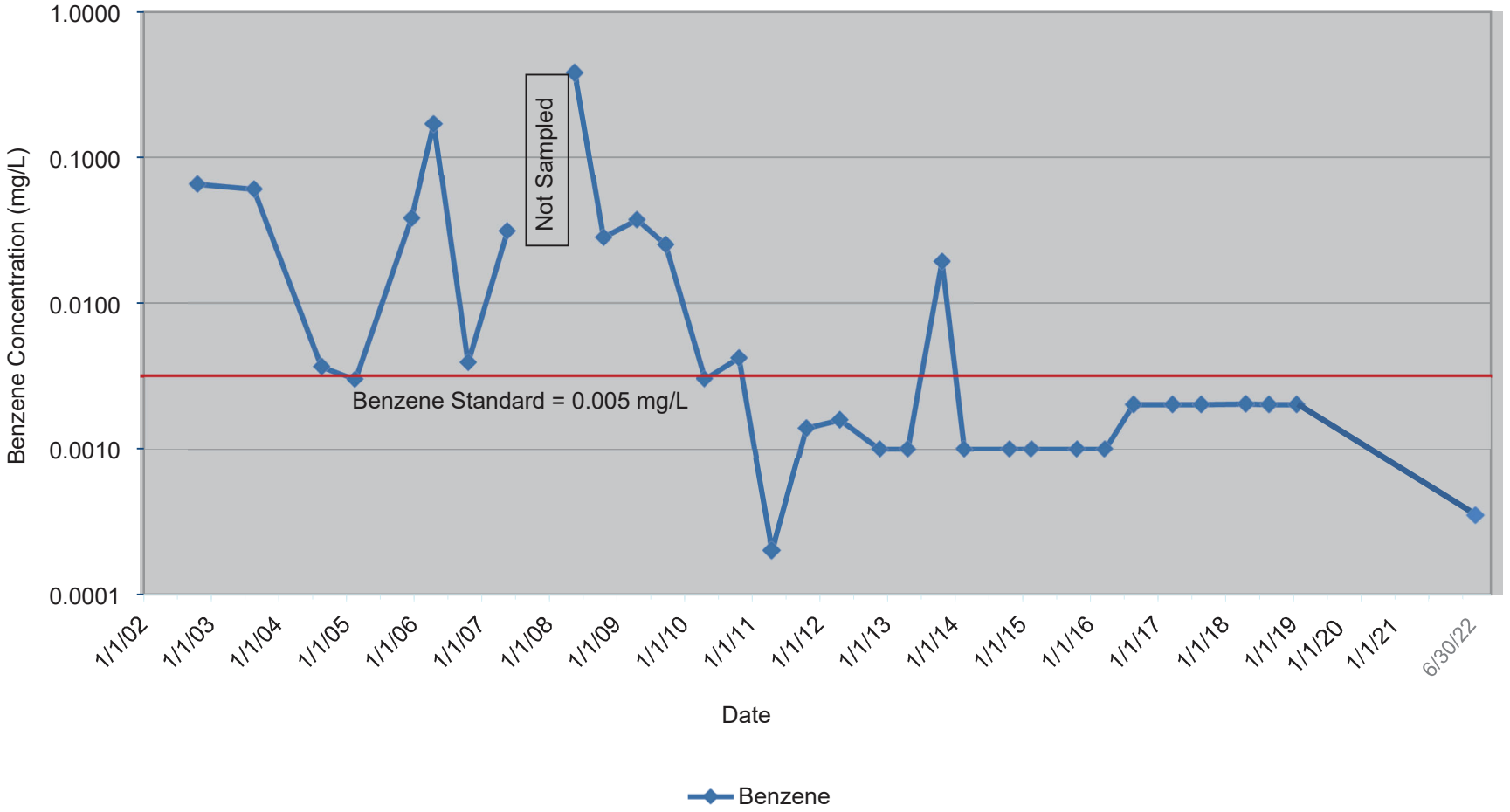
Received by OCD: 1/13/2023 9:54:10 AM

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



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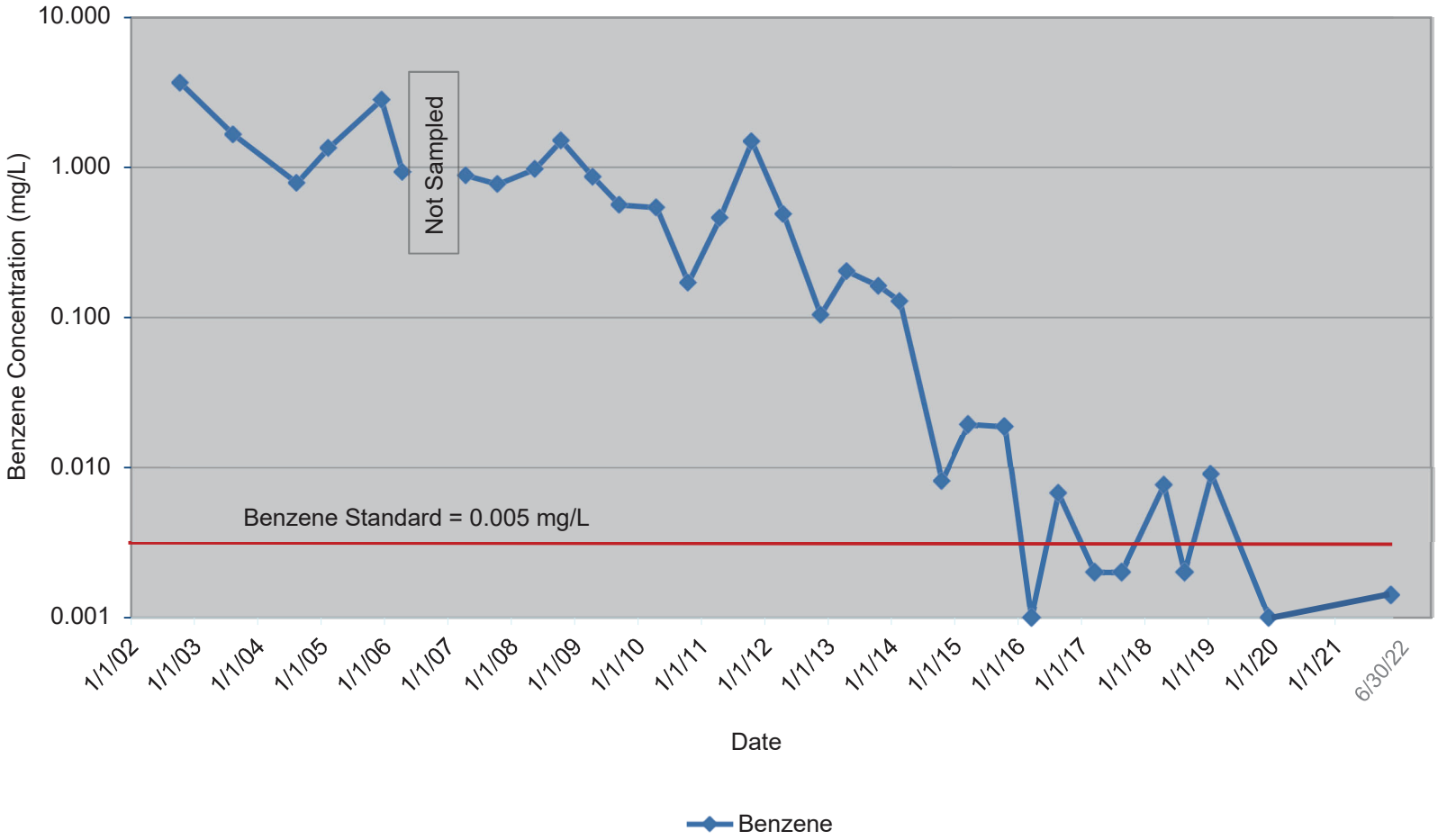
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-14



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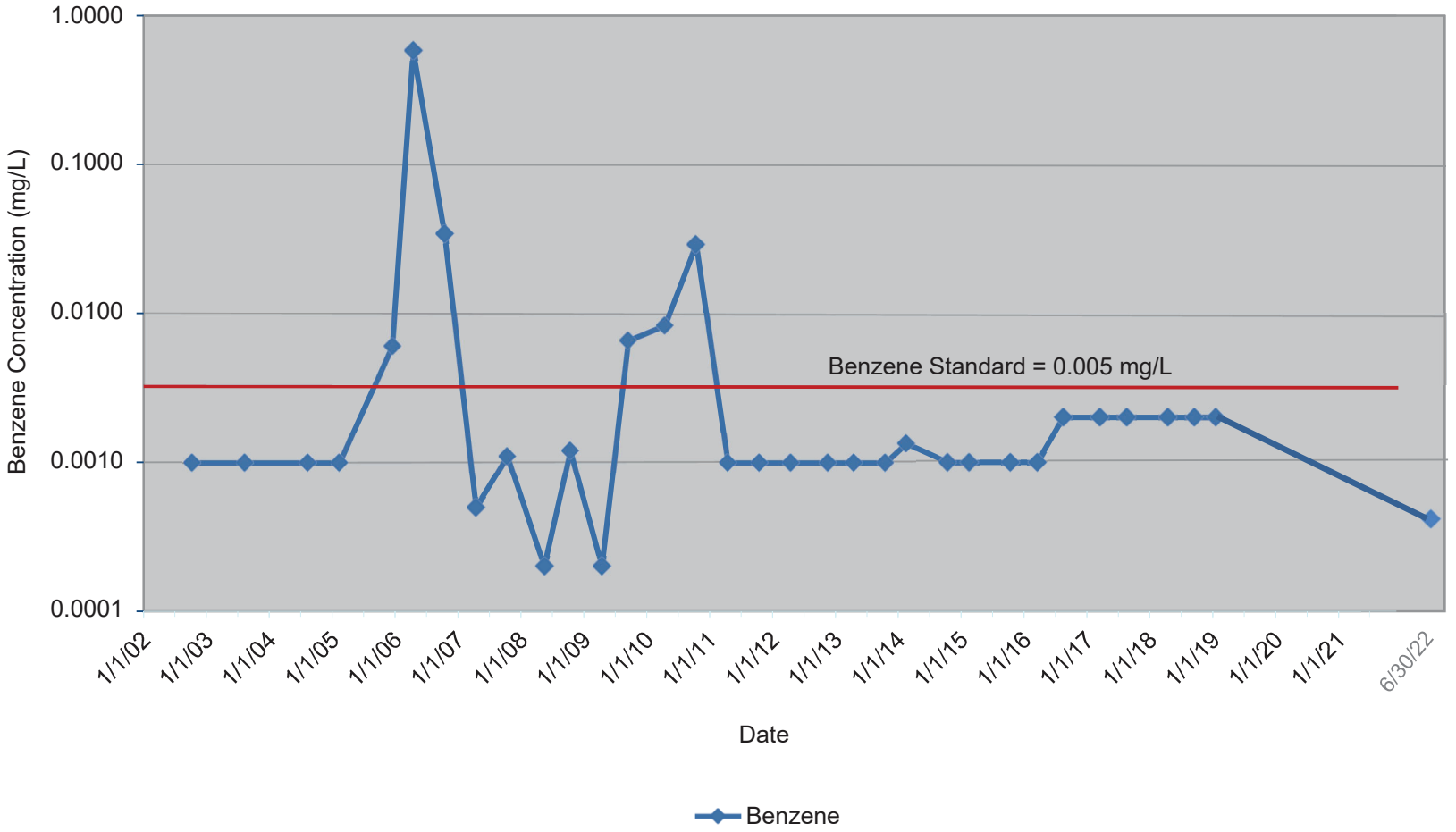
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-15



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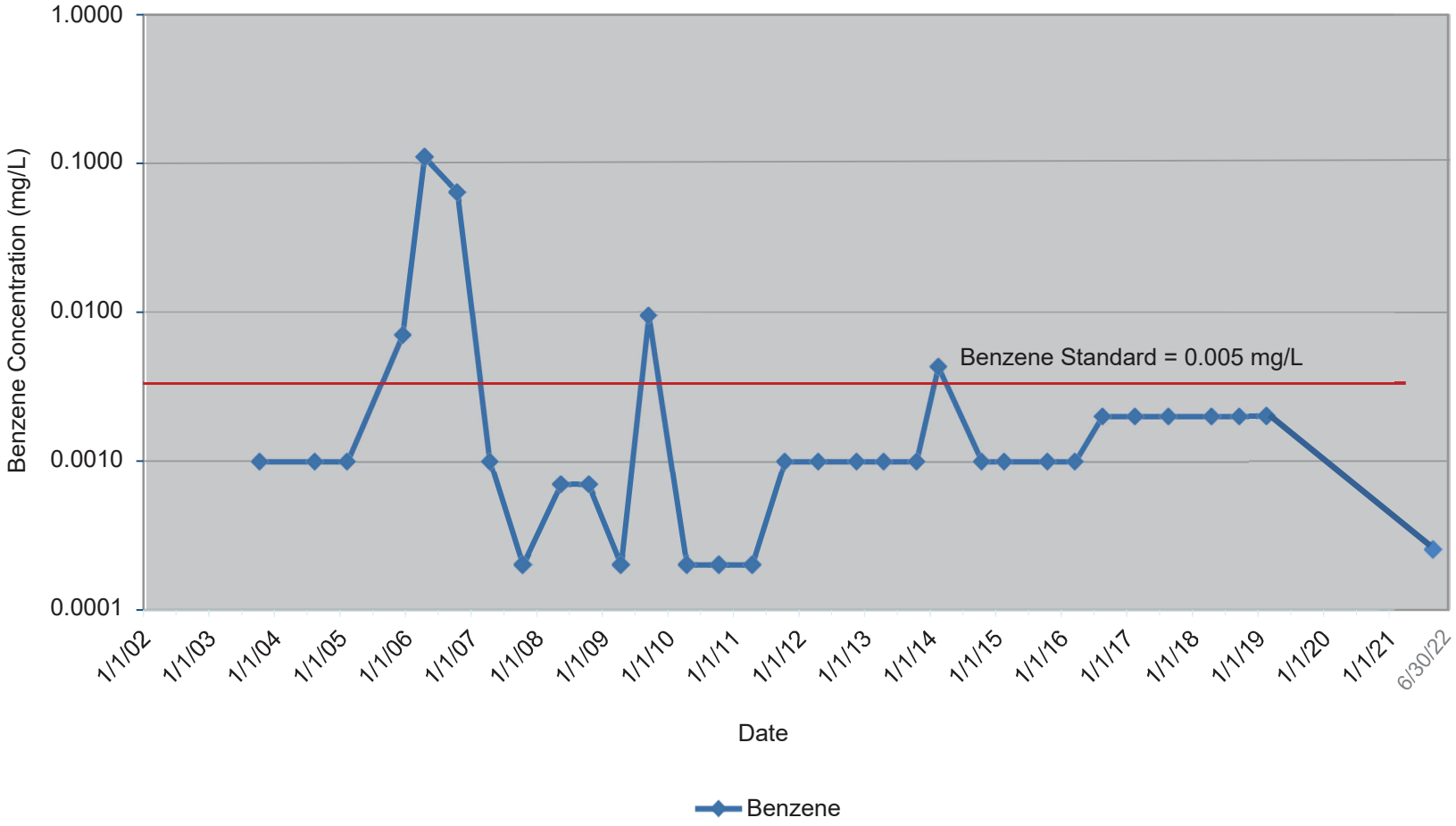
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-16



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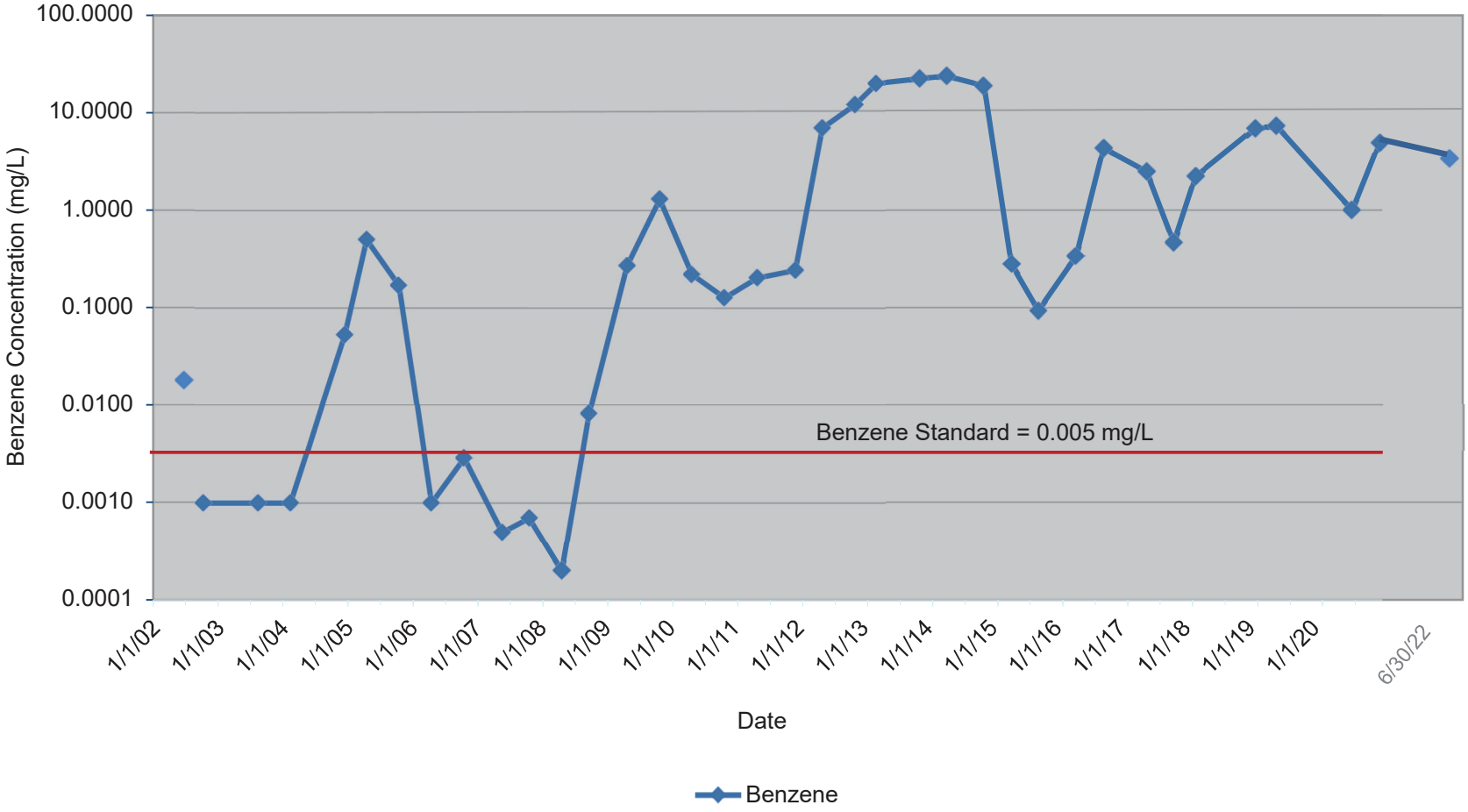
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-17



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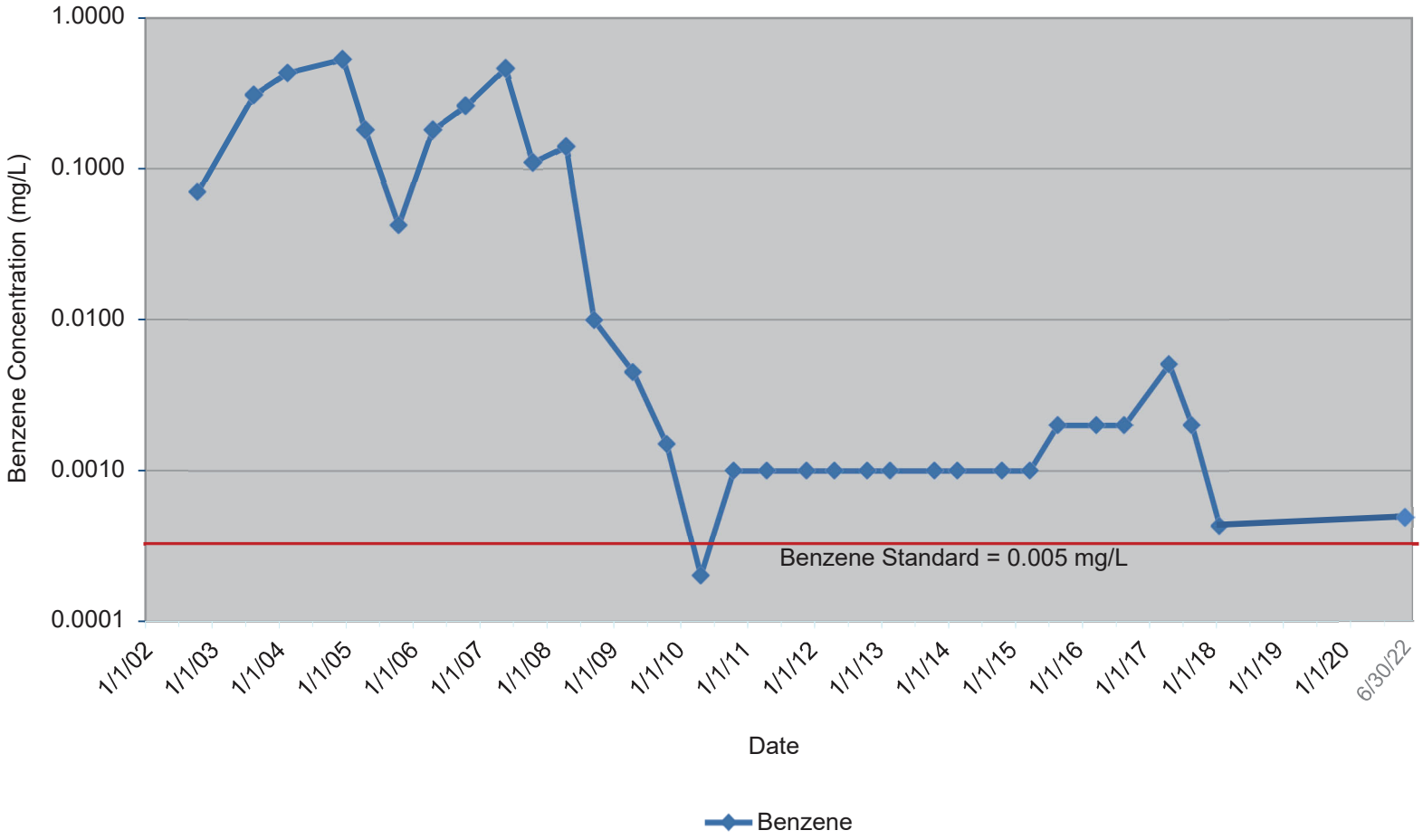
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-18



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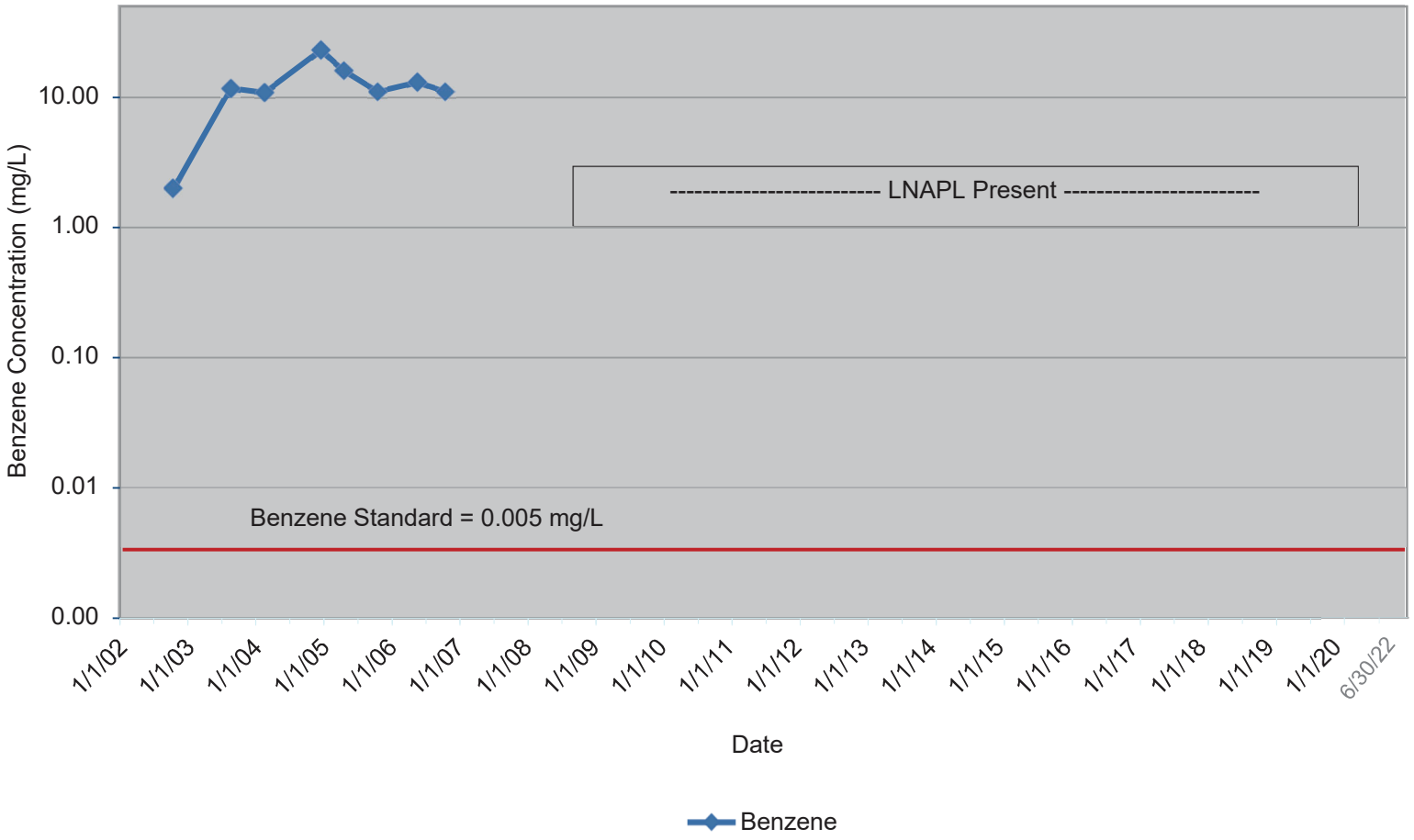
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-19



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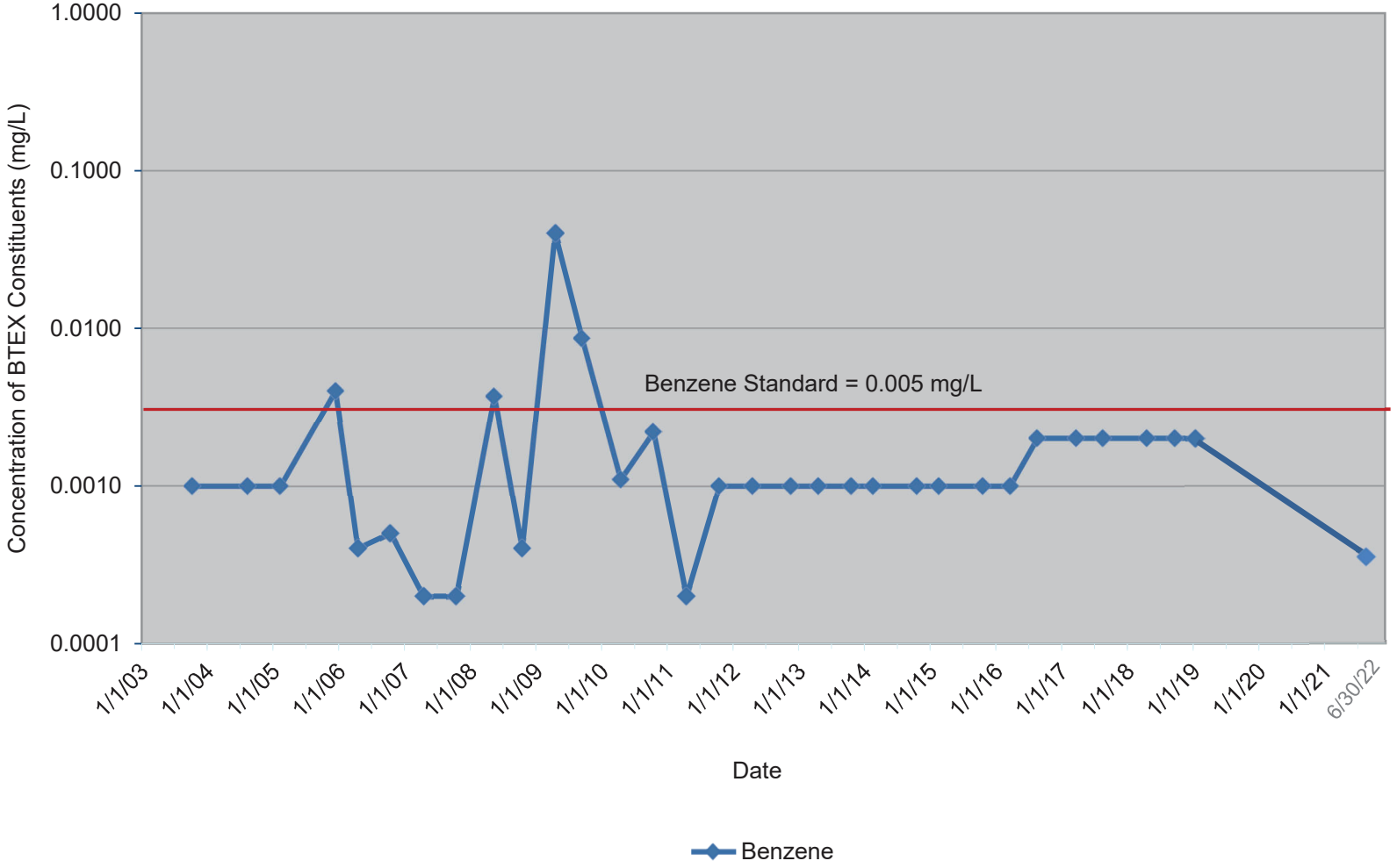
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-20



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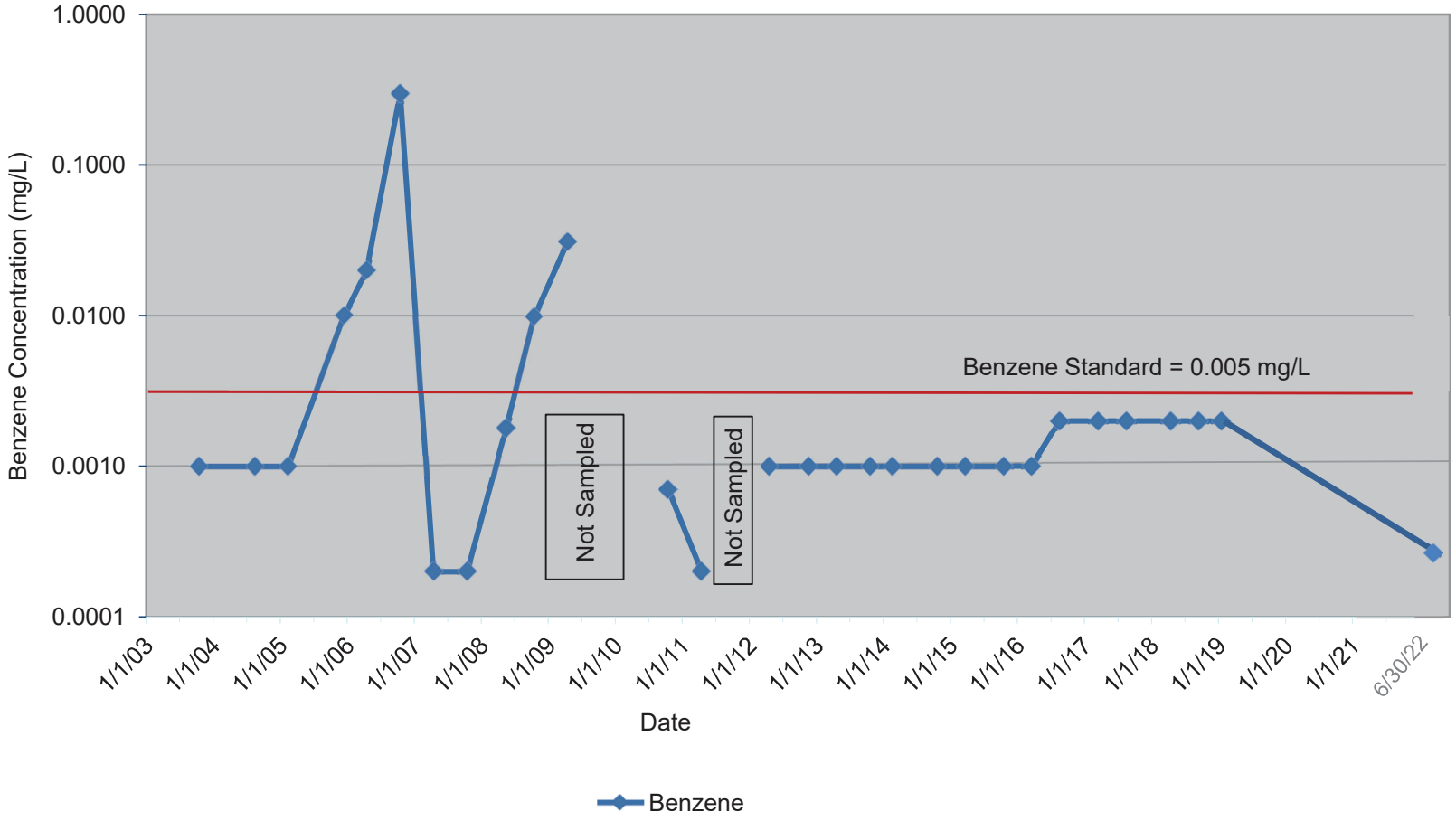
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-21



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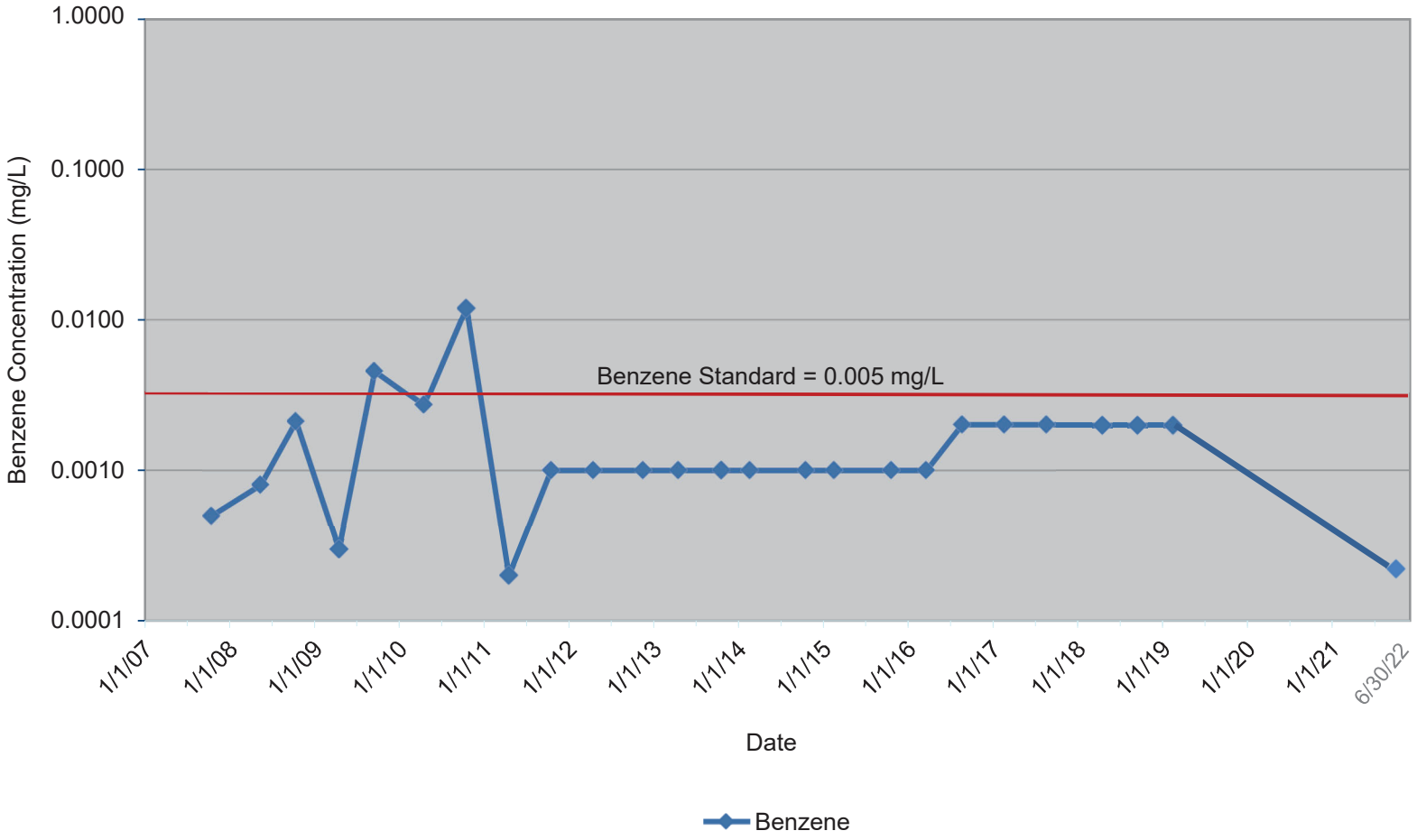
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-22



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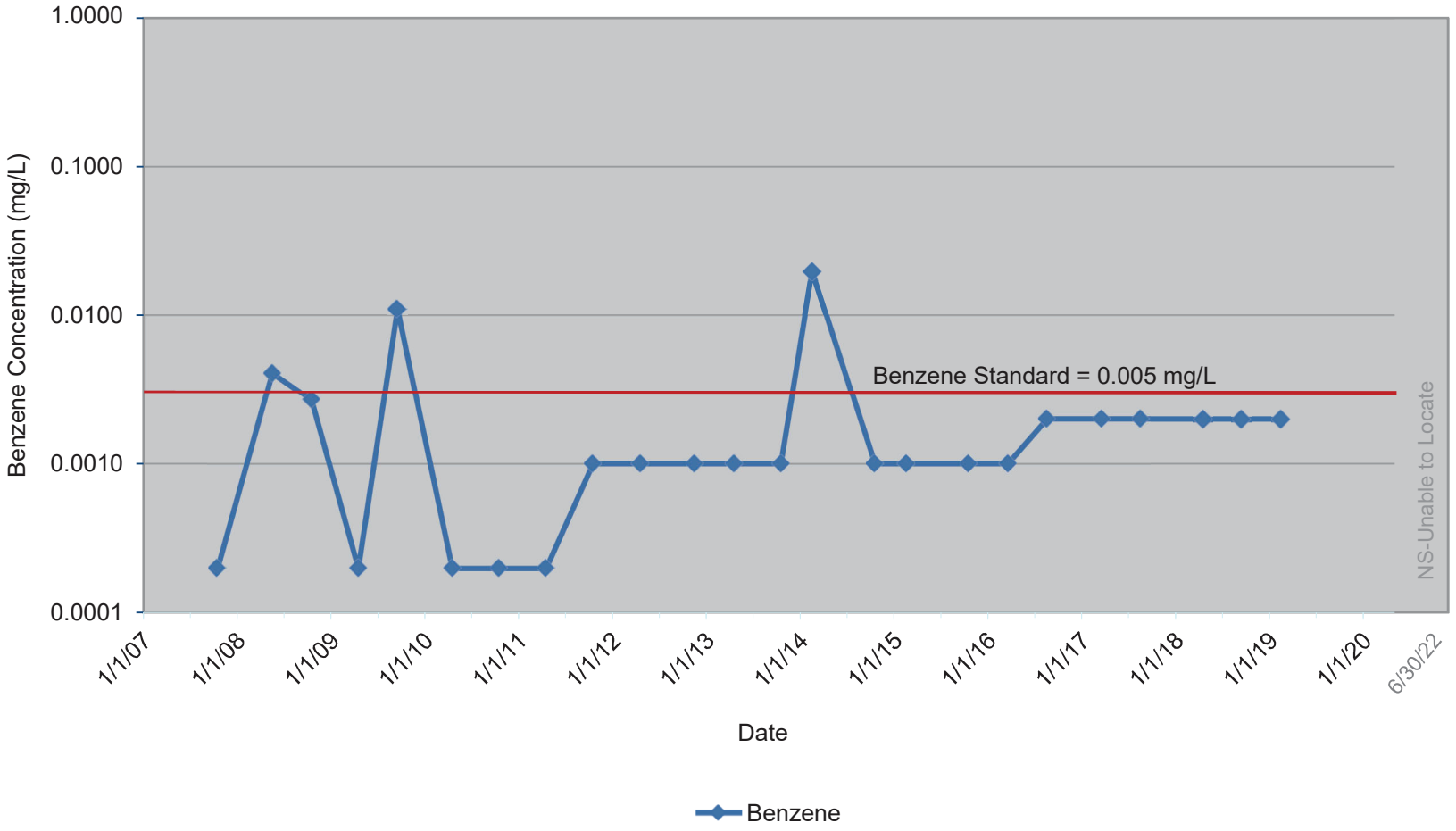
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-23



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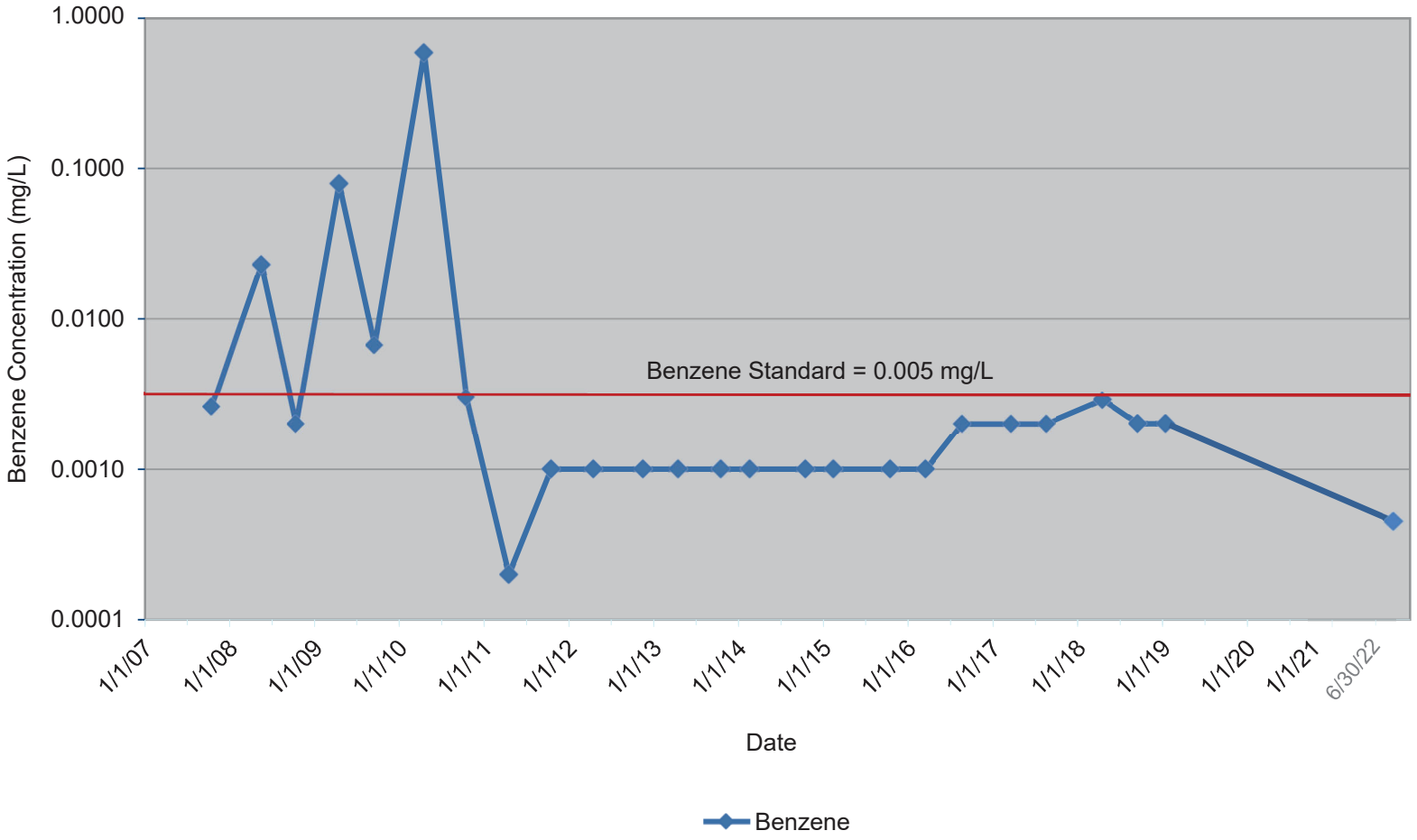
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-24



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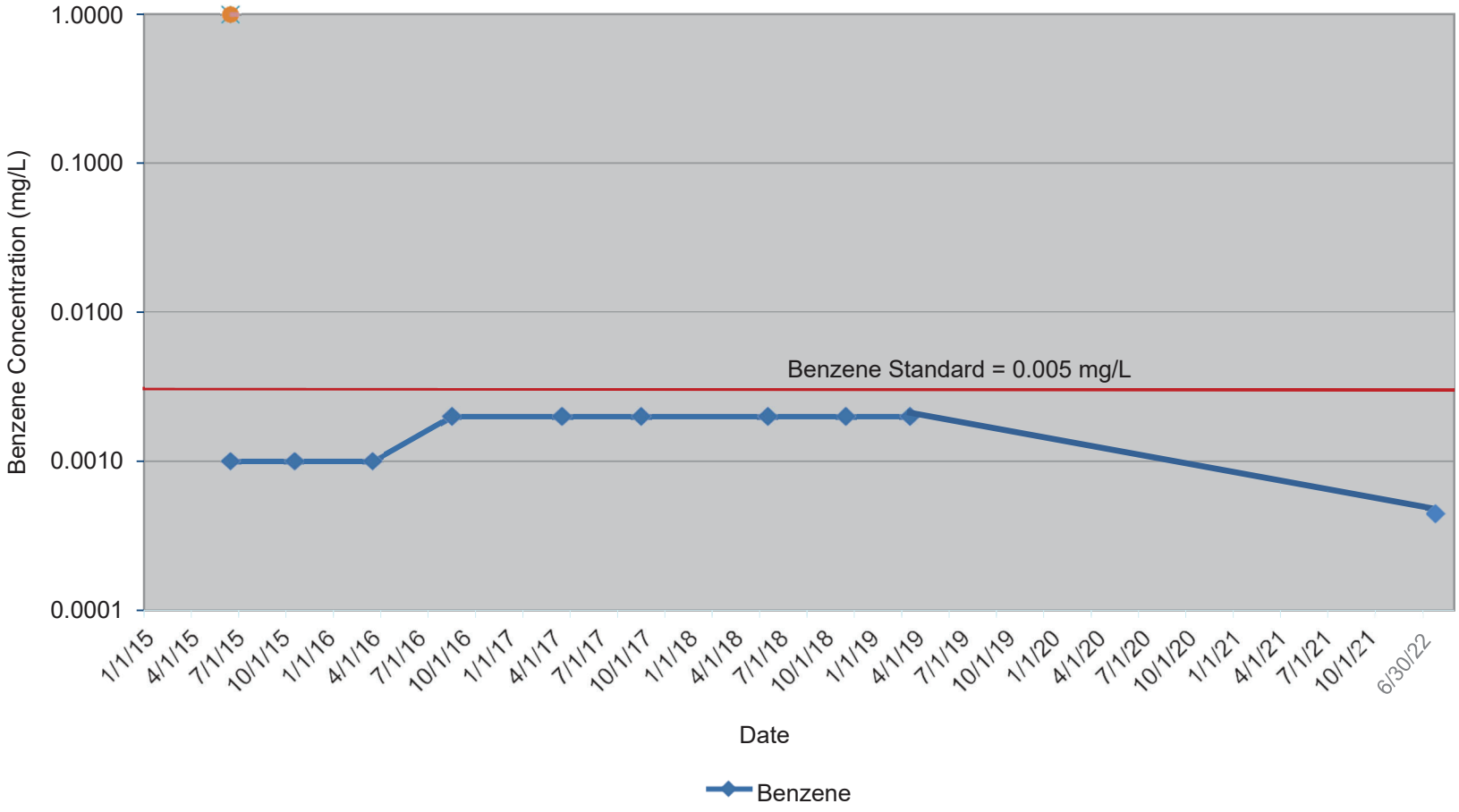
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-25



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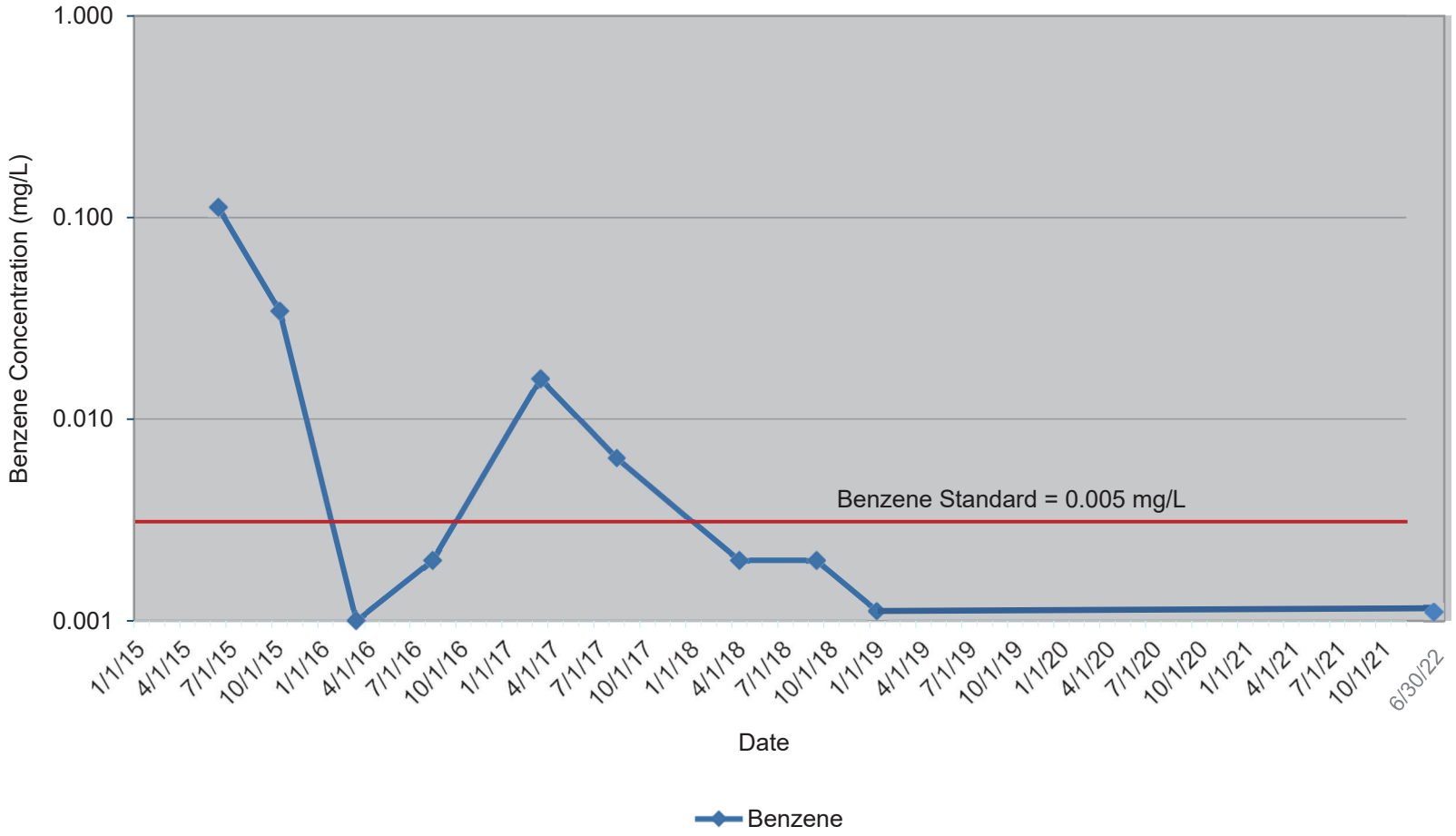
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater

MW-26



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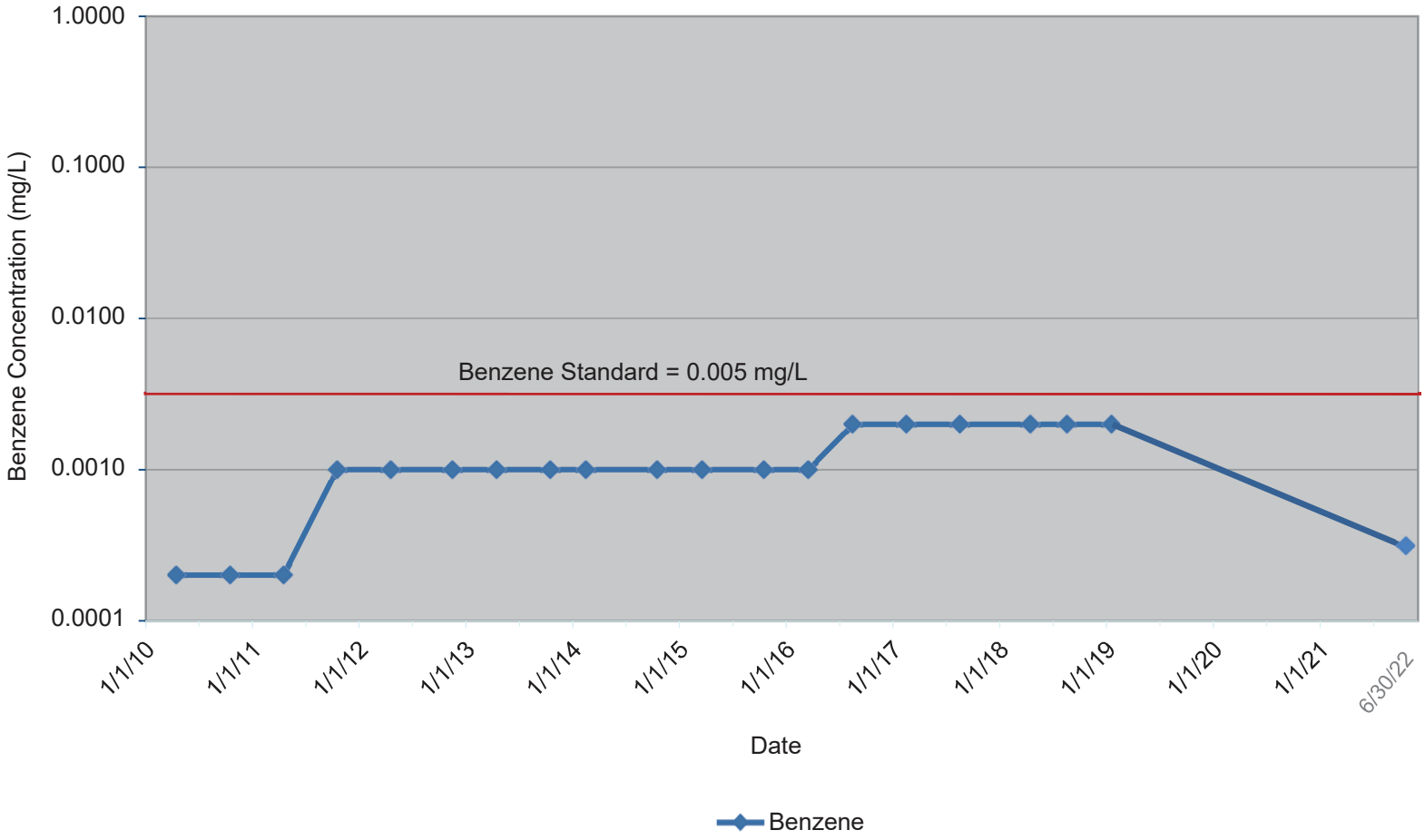
Received by OCD: 1/13/2023 9:54:10 AM

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



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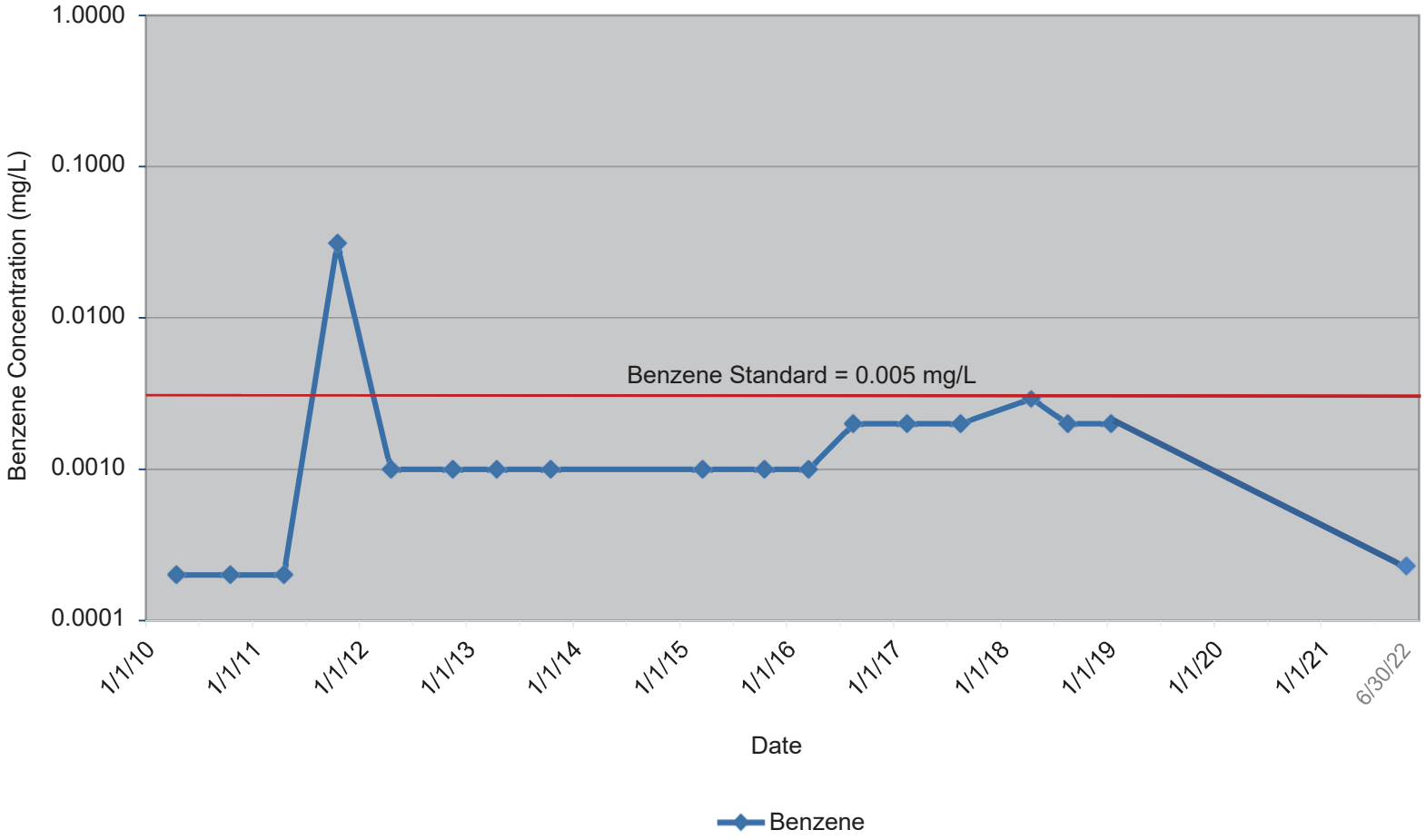
Received by OCD: 1/13/2023 9:54:10 AM

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



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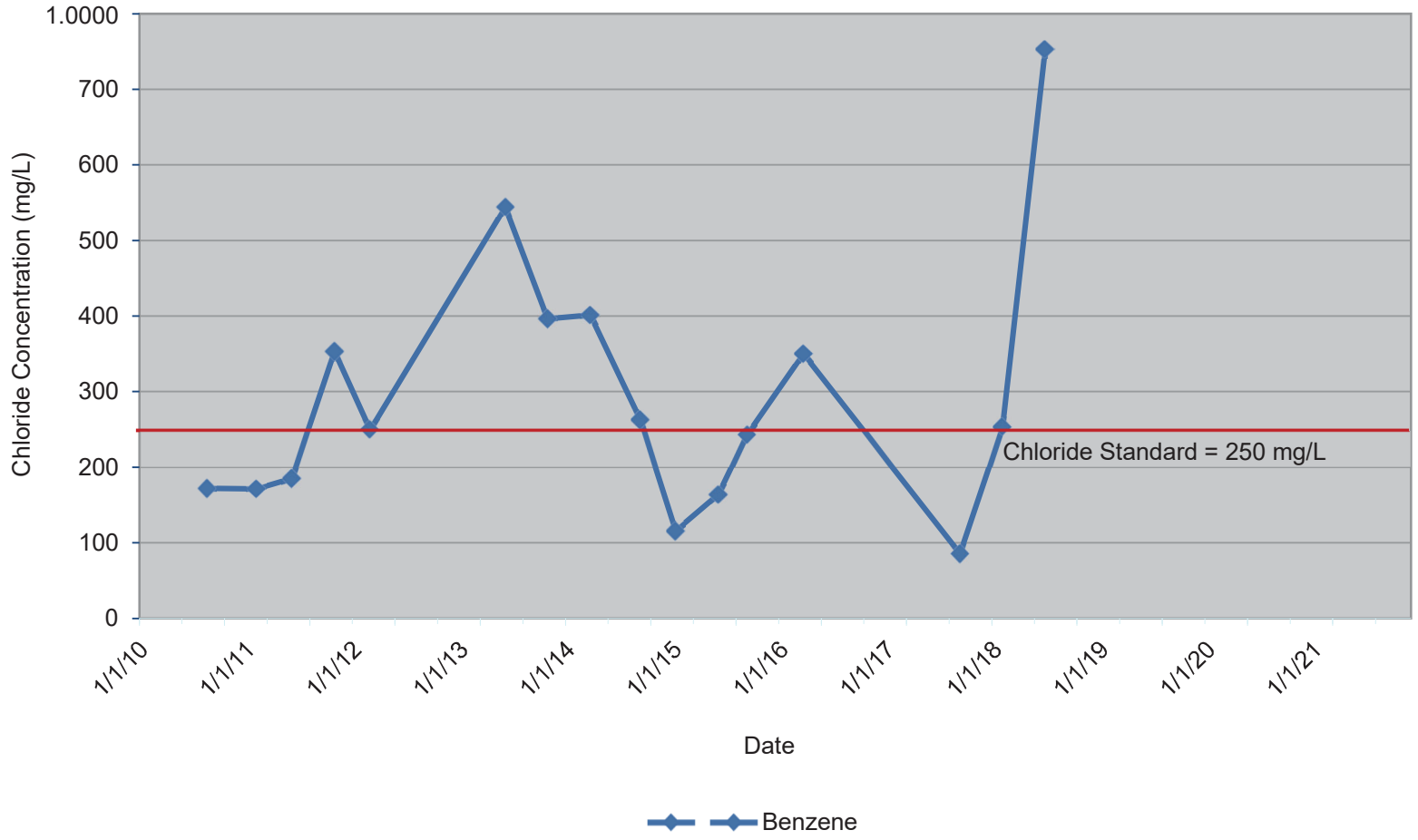
Received by OCD: 1/13/2023 9:54:10 AM

Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
TW-22
Sample Discontinued After 01-01-2018



Appendix I

Analytical Reports

Pace Analytical®

ANALYTICAL REPORT

July 19, 2022

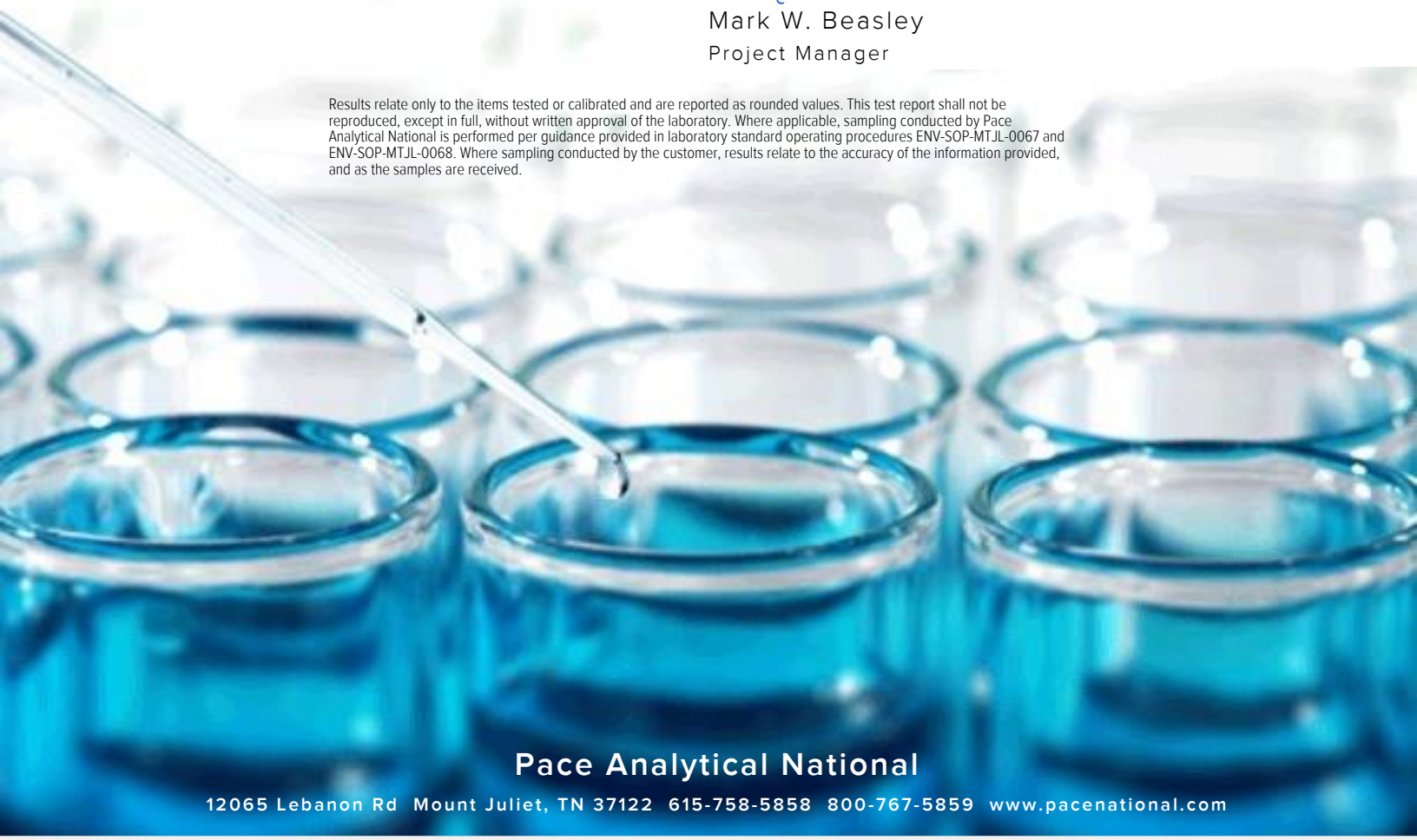
Kane Environmental Engineering, Inc.

Sample Delivery Group:	L1511254
Samples Received:	07/02/2022
Project Number:	22-215
Description:	Hobbs Area Sampling
Site:	BUCKEYE
Report To:	Russell Hamm 2351 East Hwy 21 Lincoln, TX 78948

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Released to Imaging: 3/14/2023 12:44:14 PM

TW-11 L1511254-01 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 07:30 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 10:40	07/16/22 10:40	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 16:49	07/11/22 16:49	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 18:29	07/09/22 18:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 05:24	DMG	Mt. Juliet, TN

MW-12 L1511254-02 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 07:50 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:18	07/16/22 11:18	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 17:09	07/11/22 17:09	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 18:49	07/09/22 18:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 05:50	DMG	Mt. Juliet, TN

MW-26 L1511254-03 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 08:15 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:27	07/16/22 11:27	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 17:59	07/11/22 17:59	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 19:09	07/09/22 19:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 06:16	DMG	Mt. Juliet, TN

MW-25 L1511254-04 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 08:30 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:37	07/16/22 11:37	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 18:18	07/11/22 18:18	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 19:29	07/09/22 19:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/11/22 16:12	DMG	Mt. Juliet, TN

MW-20 L1511254-05 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 08:50 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:46	07/16/22 11:46	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 18:38	07/11/22 18:38	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 19:49	07/09/22 19:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/11/22 16:38	DMG	Mt. Juliet, TN

MW-24 L1511254-06 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 09:10 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	5	07/16/22 12:15	07/16/22 12:15	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 18:58	07/11/22 18:58	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 20:09	07/09/22 20:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 21:30	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/13/22 13:35	MWS	Mt. Juliet, TN

MW-13 L1511254-07 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 12:45 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:25	07/16/22 12:25	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 19:19	07/11/22 19:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 20:29	07/09/22 20:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 21:56	DMG	Mt. Juliet, TN

TW-13 L1511254-08 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 11:10 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:34	07/16/22 12:34	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 19:39	07/11/22 19:39	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 20:49	07/09/22 20:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 22:22	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/13/22 13:09	MWS	Mt. Juliet, TN

MW-18 L1511254-09 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 11:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:44	07/16/22 12:44	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 20:00	07/11/22 20:00	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 21:09	07/09/22 21:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 22:48	DMG	Mt. Juliet, TN

MW-14 L1511254-10 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 12:30 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891812	1	07/08/22 13:00	07/08/22 13:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:53	07/16/22 12:53	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 20:19	07/11/22 20:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 21:29	07/09/22 21:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 23:15	DMG	Mt. Juliet, TN

MW-4 L1511254-11 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 13:00 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:03	07/16/22 13:03	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1893900	25	07/13/22 08:38	07/13/22 08:38	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 21:49	07/09/22 21:49	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	250	07/13/22 08:49	07/13/22 08:49	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/13/22 04:37	DMG	Mt. Juliet, TN

MW-17 L1511254-12 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 13:25 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:12	07/16/22 13:12	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1893900	5	07/13/22 08:16	07/13/22 08:16	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 22:08	07/09/22 22:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1895894	100	07/15/22 16:08	07/15/22 16:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 09:19	DMG	Mt. Juliet, TN

MW-16 L1511254-13 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 09:50 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:22	07/16/22 13:22	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 21:19	07/11/22 21:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 22:28	07/09/22 22:28	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 03:53	07/13/22 03:53	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 09:45	DMG	Mt. Juliet, TN

MW-22 L1511254-14 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 09:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891817	1	07/09/22 10:00	07/09/22 10:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:31	07/16/22 13:31	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 21:39	07/11/22 21:39	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 22:48	07/09/22 22:48	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 04:14	07/13/22 04:14	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 10:11	DMG	Mt. Juliet, TN

MW-5 L1511254-15 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:41	07/16/22 13:41	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 22:00	07/11/22 22:00	MGF	Mt. Juliet, TN

MW-5 L1511254-15 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 23:08	07/09/22 23:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 04:35	07/13/22 04:35	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 10:37	DMG	Mt. Juliet, TN

MW-15 L1511254-16 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:15 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:09	07/16/22 14:09	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 22:20	07/11/22 22:20	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 23:28	07/09/22 23:28	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 04:56	07/13/22 04:56	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 11:04	DMG	Mt. Juliet, TN

MW-21 L1511254-17 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:55 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891817	1	07/09/22 10:00	07/09/22 10:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:19	07/16/22 14:19	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 22:41	07/11/22 22:41	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 23:48	07/09/22 23:48	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 05:17	07/13/22 05:17	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 11:30	DMG	Mt. Juliet, TN

MW-7 L1511254-18 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 13:45 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:28	07/16/22 14:28	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 23:01	07/11/22 23:01	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/10/22 00:08	07/10/22 00:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 05:38	07/13/22 05:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 11:56	DMG	Mt. Juliet, TN

MW-6 L1511254-19 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 14:00 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:38	07/16/22 14:38	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 23:21	07/11/22 23:21	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/10/22 00:28	07/10/22 00:28	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 12:22	DMG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-1 L1511254-20 GW

Collected by	Collected date/time	Received date/time
Alan Kane	06/30/22 14:30	07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891817	1	07/09/22 10:00	07/09/22 10:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:47	07/16/22 14:47	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 23:42	07/11/22 23:42	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/10/22 00:48	07/10/22 00:48	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/12/22 23:41	DMG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1511254-09	MW-18	8015M
L1511254-11	MW-4	8260B

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.45	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-01 WG1891813: 7.45 at 19.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	774		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-01 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	143		0.379	1.00	1.00	1	07/16/2022 10:40	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 16:49	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.0*				*78.0-120*		*07/11/2022 16:49*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 18:29	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 18:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 18:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 18:29	WG1892399
(S) Toluene-d8	*94.1*				*80.0-120*		*07/09/2022 18:29*	WG1892399
(S) 4-Bromofluorobenzene	*87.3*				*77.0-126*		*07/09/2022 18:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*07/09/2022 18:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.100	J	0.0222	0.100	0.100	1	07/12/2022 05:24	WG1890389
C28-C36 Motor Oil Range	0.0845	B J	0.0118	0.100	0.100	1	07/12/2022 05:24	WG1890389
(S) o-Terphenyl	*103*				*52.0-156*		*07/12/2022 05:24*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.33	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-02 WG1891813: 7.33 at 20.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	647		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-02 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	40.9		0.379	1.00	1.00	1	07/16/2022 11:18	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 17:09	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.8*				*78.0-120*		*07/11/2022 17:09*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 18:49	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 18:49	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 18:49	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 18:49	WG1892399
(S) Toluene-d8	*98.9*				*80.0-120*		*07/09/2022 18:49*	WG1892399
(S) 4-Bromofluorobenzene	*86.6*				*77.0-126*		*07/09/2022 18:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*07/09/2022 18:49*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0559	J	0.0222	0.100	0.100	1	07/12/2022 05:50	WG1890389
C28-C36 Motor Oil Range	U		0.0118	0.100	0.100	1	07/12/2022 05:50	WG1890389
(S) o-Terphenyl	*103*				*52.0-156*		*07/12/2022 05:50*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.34	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-03 WG1891813: 7.34 at 20.6C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	695		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-03 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	60.6		0.379	1.00	1.00	1	07/16/2022 11:27	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 17:59	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*93.7*				*78.0-120*		*07/11/2022 17:59*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000268	J	0.0000941	0.00100	0.00100	1	07/09/2022 19:09	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 19:09	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 19:09	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 19:09	WG1892399
(S) Toluene-d8	*98.6*				*80.0-120*		*07/09/2022 19:09*	WG1892399
(S) 4-Bromofluorobenzene	*87.4*				*77.0-126*		*07/09/2022 19:09*	WG1892399
(S) 1,2-Dichloroethane-d4	*115*				*70.0-130*		*07/09/2022 19:09*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0723	J	0.0222	0.100	0.100	1	07/12/2022 06:16	WG1890389
C28-C36 Motor Oil Range	U		0.0118	0.100	0.100	1	07/12/2022 06:16	WG1890389
(S) o-Terphenyl	*77.0*				*52.0-156*		*07/12/2022 06:16*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.24	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-04 WG1891813: 7.24 at 20.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	780		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-04 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	84.8		0.379	1.00	1.00	1	07/16/2022 11:37	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 18:18	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*90.5*				*78.0-120*		*07/11/2022 18:18*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 19:29	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 19:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 19:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 19:29	WG1892399
(S) Toluene-d8	*94.8*				*80.0-120*		*07/09/2022 19:29*	WG1892399
(S) 4-Bromofluorobenzene	*88.6*				*77.0-126*		*07/09/2022 19:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*07/09/2022 19:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0350	J	0.0222	0.100	0.100	1	07/11/2022 16:12	WG1890389
C28-C36 Motor Oil Range	0.0500	B J	0.0118	0.100	0.100	1	07/11/2022 16:12	WG1890389
(S) o-Terphenyl	*103*				*52.0-156*		*07/11/2022 16:12*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.23	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-05 WG1891813: 7.23 at 20.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	676		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-05 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	36.6		0.379	1.00	1.00	1	07/16/2022 11:46	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 18:38	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.5*				*78.0-120*		*07/11/2022 18:38*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 19:49	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 19:49	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 19:49	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 19:49	WG1892399
(S) Toluene-d8	*102*				*80.0-120*		*07/09/2022 19:49*	WG1892399
(S) 4-Bromofluorobenzene	*95.3*				*77.0-126*		*07/09/2022 19:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 19:49*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0222	0.100	0.100	1	07/11/2022 16:38	WG1890389
C28-C36 Motor Oil Range	0.0240	B J	0.0118	0.100	0.100	1	07/11/2022 16:38	WG1890389
(S) o-Terphenyl	*106*				*52.0-156*		*07/11/2022 16:38*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.00	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-06 WG1891813: 7 at 20.6C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	1170		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-06 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	208		1.90	1.00	5.00	5	07/16/2022 12:15	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 18:58	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*96.1*				*78.0-120*		*07/11/2022 18:58*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 20:09	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 20:09	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 20:09	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 20:09	WG1892399
(S) Toluene-d8	*102*				*80.0-120*		*07/09/2022 20:09*	WG1892399
(S) 4-Bromofluorobenzene	*84.7*				*77.0-126*		*07/09/2022 20:09*	WG1892399
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 20:09*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.129		0.0222	0.100	0.100	1	07/12/2022 21:30	WG1890389
C28-C36 Motor Oil Range	0.0530	B J	0.0118	0.100	0.100	1	07/13/2022 13:35	WG1890389
(S) o-Terphenyl	*99.5*				*52.0-156*		*07/13/2022 13:35*	WG1890389
(S) o-Terphenyl	*96.0*				*52.0-156*		*07/12/2022 21:30*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.94	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-07 WG1891813: 6.94 at 21.1C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	957		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-07 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	76.9		0.379	1.00	1.00	1	07/16/2022 12:25	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 19:19	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*92.8*				*78.0-120*		*07/11/2022 19:19*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000124	J	0.0000941	0.00100	0.00100	1	07/09/2022 20:29	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 20:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 20:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 20:29	WG1892399
(S) Toluene-d8	*106*				*80.0-120*		*07/09/2022 20:29*	WG1892399
(S) 4-Bromofluorobenzene	*97.1*				*77.0-126*		*07/09/2022 20:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*07/09/2022 20:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.551		0.0222	0.100	0.100	1	07/12/2022 21:56	WG1890389
C28-C36 Motor Oil Range	0.799		0.0118	0.100	0.100	1	07/12/2022 21:56	WG1890389
(S) o-Terphenyl	*86.0*				*52.0-156*		*07/12/2022 21:56*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.31	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-08 WG1891814: 7.31 at 22.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	1480		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-08 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	102		0.379	1.00	1.00	1	07/16/2022 12:34	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 19:39	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.0*				*78.0-120*		*07/11/2022 19:39*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 20:49	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 20:49	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 20:49	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 20:49	WG1892399
(S) Toluene-d8	*106*				*80.0-120*		*07/09/2022 20:49*	WG1892399
(S) 4-Bromofluorobenzene	*81.4*				*77.0-126*		*07/09/2022 20:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*116*				*70.0-130*		*07/09/2022 20:49*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.132		0.0222	0.100	0.100	1	07/12/2022 22:22	WG1890389
C28-C36 Motor Oil Range	0.0579	B J	0.0118	0.100	0.100	1	07/13/2022 13:09	WG1890389
(S) o-Terphenyl	*99.0*				*52.0-156*		*07/12/2022 22:22*	WG1890389
(S) o-Terphenyl	*104*				*52.0-156*		*07/13/2022 13:09*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.51	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-09 WG1891814: 7.51 at 21C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	919		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-09 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	41.2		0.379	1.00	1.00	1	07/16/2022 12:44	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 20:00	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.1*				*78.0-120*		*07/11/2022 20:00*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 21:09	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 21:09	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 21:09	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 21:09	WG1892399
(S) Toluene-d8	*103*				*80.0-120*		*07/09/2022 21:09*	WG1892399
(S) 4-Bromofluorobenzene	*78.4*				*77.0-126*		*07/09/2022 21:09*	WG1892399
(S) 1,2-Dichloroethane-d4	*112*				*70.0-130*		*07/09/2022 21:09*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.201		0.0222	0.100	0.100	1	07/12/2022 22:48	WG1890389
C28-C36 Motor Oil Range	0.624		0.0118	0.100	0.100	1	07/12/2022 22:48	WG1890389
(S) o-Terphenyl	*75.5*				*52.0-156*		*07/12/2022 22:48*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.00	T8	1	07/08/2022 13:00	WG1891812

Sample Narrative:
L1511254-10 WG1891812: 7 at 19.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	880		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-10 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	12.1		0.379	1.00	1.00	1	07/16/2022 12:53	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.221		0.0314	0.100	0.100	1	07/11/2022 20:19	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*90.0*				*78.0-120*		*07/11/2022 20:19*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000113	J	0.0000941	0.00100	0.00100	1	07/09/2022 21:29	WG1892399
Toluene	0.00500		0.000278	0.00100	0.00100	1	07/09/2022 21:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 21:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 21:29	WG1892399
(S) Toluene-d8	*123*	J1			*80.0-120*		*07/09/2022 21:29*	WG1892399
(S) 4-Bromofluorobenzene	*114*				*77.0-126*		*07/09/2022 21:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*07/09/2022 21:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.302		0.0222	0.100	0.100	1	07/12/2022 23:15	WG1890389
C28-C36 Motor Oil Range	0.460		0.0118	0.100	0.100	1	07/12/2022 23:15	WG1890389
(S) o-Terphenyl	*93.5*				*52.0-156*		*07/12/2022 23:15*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.76	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-11 WG1891814: 6.76 at 21.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	428		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-11 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	74.5		0.379	1.00	1.00	1	07/16/2022 13:03	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	32.6		0.785	0.100	2.50	25	07/13/2022 08:38	WG1893900
(S) a,a,a-Trifluorotoluene(FID)	*98.2*				*78.0-120*		*07/13/2022 08:38*	WG1893900

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	12.7		0.0235	0.00100	0.250	250	07/13/2022 08:49	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 21:49	WG1892399
Ethylbenzene	0.0212		0.000137	0.00100	0.00100	1	07/09/2022 21:49	WG1892399
Total Xylenes	0.00118	J	0.000174	0.00300	0.00300	1	07/09/2022 21:49	WG1892399
(S) Toluene-d8	*99.1*				*80.0-120*		*07/09/2022 21:49*	WG1892399
(S) Toluene-d8	*108*				*80.0-120*		*07/13/2022 08:49*	WG1893777
(S) 4-Bromofluorobenzene	*86.4*				*77.0-126*		*07/09/2022 21:49*	WG1892399
(S) 4-Bromofluorobenzene	*103*				*77.0-126*		*07/13/2022 08:49*	WG1893777
(S) 1,2-Dichloroethane-d4	*97.9*				*70.0-130*		*07/09/2022 21:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*98.3*				*70.0-130*		*07/13/2022 08:49*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.502		0.0222	0.100	0.100	1	07/13/2022 04:37	WG1890389
C28-C36 Motor Oil Range	0.176	B	0.0118	0.100	0.100	1	07/13/2022 04:37	WG1890389
(S) o-Terphenyl	*106*				*52.0-156*		*07/13/2022 04:37*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.63	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-12 WG1891814: 7.63 at 21.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	353		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-12 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	60.5		0.379	1.00	1.00	1	07/16/2022 13:12	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	12.9		0.157	0.100	0.500	5	07/13/2022 08:16	WG1893900
(S) a,a,a-Trifluorotoluene(FID)	*97.2*				*78.0-120*		*07/13/2022 08:16*	WG1893900

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	6.65	Q	0.00941	0.00100	0.100	100	07/15/2022 16:08	WG1895894
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 22:08	WG1892399
Ethylbenzene	0.000684	J	0.000137	0.00100	0.00100	1	07/09/2022 22:08	WG1892399
Total Xylenes	0.000528	J	0.000174	0.00300	0.00300	1	07/09/2022 22:08	WG1892399
(S) Toluene-d8	*101*				*80.0-120*		*07/09/2022 22:08*	WG1892399
(S) Toluene-d8	*99.2*				*80.0-120*		*07/15/2022 16:08*	WG1895894
(S) 4-Bromofluorobenzene	*86.1*				*77.0-126*		*07/09/2022 22:08*	WG1892399
(S) 4-Bromofluorobenzene	*101*				*77.0-126*		*07/15/2022 16:08*	WG1895894
(S) 1,2-Dichloroethane-d4	*104*				*70.0-130*		*07/09/2022 22:08*	WG1892399
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*07/15/2022 16:08*	WG1895894

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.336		0.0222	0.100	0.100	1	07/09/2022 09:19	WG1890390
C28-C36 Motor Oil Range	0.158	B	0.0118	0.100	0.100	1	07/09/2022 09:19	WG1890390
(S) o-Terphenyl	*108*				*52.0-156*		*07/09/2022 09:19*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.40	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-13 WG1891814: 7.4 at 22C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	750		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-13 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	69.1		0.379	1.00	1.00	1	07/16/2022 13:22	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 21:19	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*94.8*				*78.0-120*		*07/11/2022 21:19*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000107	J	0.0000941	0.00100	0.00100	1	07/13/2022 03:53	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 22:28	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 22:28	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 22:28	WG1892399
(S) Toluene-d8	*107*				*80.0-120*		*07/09/2022 22:28*	WG1892399
(S) Toluene-d8	*112*				*80.0-120*		*07/13/2022 03:53*	WG1893777
(S) 4-Bromofluorobenzene	*89.1*				*77.0-126*		*07/09/2022 22:28*	WG1892399
(S) 4-Bromofluorobenzene	*99.1*				*77.0-126*		*07/13/2022 03:53*	WG1893777
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*07/09/2022 22:28*	WG1892399
(S) 1,2-Dichloroethane-d4	*92.1*				*70.0-130*		*07/13/2022 03:53*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0316	J	0.0222	0.100	0.100	1	07/09/2022 09:45	WG1890390
C28-C36 Motor Oil Range	0.0833	B J	0.0118	0.100	0.100	1	07/09/2022 09:45	WG1890390
(S) o-Terphenyl	*110*				*52.0-156*		*07/09/2022 09:45*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.92	T8	1	07/09/2022 10:00	WG1891817

Sample Narrative:
L1511254-14 WG1891817: 7.92 at 23.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	559		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-14 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	39.6		0.379	1.00	1.00	1	07/16/2022 13:31	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 21:39	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.1*				*78.0-120*		*07/11/2022 21:39*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 04:14	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 22:48	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 22:48	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 22:48	WG1892399
(S) Toluene-d8	*98.3*				*80.0-120*		*07/09/2022 22:48*	WG1892399
(S) Toluene-d8	*119*				*80.0-120*		*07/13/2022 04:14*	WG1893777
(S) 4-Bromofluorobenzene	*90.4*				*77.0-126*		*07/09/2022 22:48*	WG1892399
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*07/13/2022 04:14*	WG1893777
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 22:48*	WG1892399
(S) 1,2-Dichloroethane-d4	*94.0*				*70.0-130*		*07/13/2022 04:14*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.103		0.0222	0.100	0.100	1	07/09/2022 10:11	WG1890390
C28-C36 Motor Oil Range	0.178	B	0.0118	0.100	0.100	1	07/09/2022 10:11	WG1890390
(S) o-Terphenyl	*107*				*52.0-156*		*07/09/2022 10:11*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.39	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-15 WG1891814: 7.39 at 22C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	765		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-15 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	84.8		0.379	1.00	1.00	1	07/16/2022 13:41	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 22:00	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.4*				*78.0-120*		*07/11/2022 22:00*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 04:35	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 23:08	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 23:08	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 23:08	WG1892399
(S) Toluene-d8	*97.4*				*80.0-120*		*07/09/2022 23:08*	WG1892399
(S) Toluene-d8	*112*				*80.0-120*		*07/13/2022 04:35*	WG1893777
(S) 4-Bromofluorobenzene	*90.4*				*77.0-126*		*07/09/2022 23:08*	WG1892399
(S) 4-Bromofluorobenzene	*104*				*77.0-126*		*07/13/2022 04:35*	WG1893777
(S) 1,2-Dichloroethane-d4	*112*				*70.0-130*		*07/09/2022 23:08*	WG1892399
(S) 1,2-Dichloroethane-d4	*91.8*				*70.0-130*		*07/13/2022 04:35*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0222	0.100	0.100	1	07/09/2022 10:37	WG1890390
C28-C36 Motor Oil Range	0.0714	B J	0.0118	0.100	0.100	1	07/09/2022 10:37	WG1890390
(S) o-Terphenyl	*103*				*52.0-156*		*07/09/2022 10:37*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.34	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-16 WG1891814: 7.34 at 21.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	774		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-16 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	51.3		0.379	1.00	1.00	1	07/16/2022 14:09	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 22:20	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*94.8*				*78.0-120*		*07/11/2022 22:20*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 04:56	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 23:28	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 23:28	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 23:28	WG1892399
(S) Toluene-d8	*105*				*80.0-120*		*07/09/2022 23:28*	WG1892399
(S) Toluene-d8	*119*				*80.0-120*		*07/13/2022 04:56*	WG1893777
(S) 4-Bromofluorobenzene	*75.0*	J2			*77.0-126*		*07/09/2022 23:28*	WG1892399
(S) 4-Bromofluorobenzene	*112*				*77.0-126*		*07/13/2022 04:56*	WG1893777
(S) 1,2-Dichloroethane-d4	*122*				*70.0-130*		*07/09/2022 23:28*	WG1892399
(S) 1,2-Dichloroethane-d4	*93.9*				*70.0-130*		*07/13/2022 04:56*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0519	J	0.0222	0.100	0.100	1	07/09/2022 11:04	WG1890390
C28-C36 Motor Oil Range	0.0883	B J	0.0118	0.100	0.100	1	07/09/2022 11:04	WG1890390
(S) o-Terphenyl	*100*				*52.0-156*		*07/09/2022 11:04*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.39	T8	1	07/09/2022 10:00	WG1891817

Sample Narrative:
L1511254-17 WG1891817: 7.39 at 23.1C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	741		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-17 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	92.4		0.379	1.00	1.00	1	07/16/2022 14:19	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 22:41	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.4*				*78.0-120*		*07/11/2022 22:41*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000169	J	0.0000941	0.00100	0.00100	1	07/13/2022 05:17	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 23:48	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 23:48	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 23:48	WG1892399
(S) Toluene-d8	*95.4*				*80.0-120*		*07/09/2022 23:48*	WG1892399
(S) Toluene-d8	*111*				*80.0-120*		*07/13/2022 05:17*	WG1893777
(S) 4-Bromofluorobenzene	*83.4*				*77.0-126*		*07/09/2022 23:48*	WG1892399
(S) 4-Bromofluorobenzene	*99.8*				*77.0-126*		*07/13/2022 05:17*	WG1893777
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 23:48*	WG1892399
(S) 1,2-Dichloroethane-d4	*92.3*				*70.0-130*		*07/13/2022 05:17*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0618	J	0.0222	0.100	0.100	1	07/09/2022 11:30	WG1890390
C28-C36 Motor Oil Range	0.0804	B J	0.0118	0.100	0.100	1	07/09/2022 11:30	WG1890390
(S) o-Terphenyl	*101*				*52.0-156*		*07/09/2022 11:30*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.30	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-18 WG1891814: 7.3 at 21.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	700		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-18 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	27.2		0.379	1.00	1.00	1	07/16/2022 14:28	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 23:01	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.3*				*78.0-120*		*07/11/2022 23:01*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 05:38	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/10/2022 00:08	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/10/2022 00:08	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/10/2022 00:08	WG1892399
(S) Toluene-d8	*124*	J1			*80.0-120*		*07/10/2022 00:08*	WG1892399
(S) Toluene-d8	*109*				*80.0-120*		*07/13/2022 05:38*	WG1893777
(S) 4-Bromofluorobenzene	*109*				*77.0-126*		*07/10/2022 00:08*	WG1892399
(S) 4-Bromofluorobenzene	*103*				*77.0-126*		*07/13/2022 05:38*	WG1893777
(S) 1,2-Dichloroethane-d4	*120*				*70.0-130*		*07/10/2022 00:08*	WG1892399
(S) 1,2-Dichloroethane-d4	*93.5*				*70.0-130*		*07/13/2022 05:38*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0523	J	0.0222	0.100	0.100	1	07/09/2022 11:56	WG1890390
C28-C36 Motor Oil Range	0.0634	B J	0.0118	0.100	0.100	1	07/09/2022 11:56	WG1890390
(S) o-Terphenyl	*100*				*52.0-156*		*07/09/2022 11:56*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.12	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-19 WG1891814: 7.12 at 21.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	807		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-19 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	47.4		0.379	1.00	1.00	1	07/16/2022 14:38	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.107		0.0314	0.100	0.100	1	07/11/2022 23:21	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*92.1*				*78.0-120*		*07/11/2022 23:21*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.00682		0.0000941	0.00100	0.00100	1	07/10/2022 00:28	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/10/2022 00:28	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/10/2022 00:28	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/10/2022 00:28	WG1892399
(S) Toluene-d8	*97.9*				*80.0-120*		*07/10/2022 00:28*	WG1892399
(S) 4-Bromofluorobenzene	*80.2*				*77.0-126*		*07/10/2022 00:28*	WG1892399
(S) 1,2-Dichloroethane-d4	*119*				*70.0-130*		*07/10/2022 00:28*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0317	J	0.0222	0.100	0.100	1	07/09/2022 12:22	WG1890390
C28-C36 Motor Oil Range	0.0404	B J	0.0118	0.100	0.100	1	07/09/2022 12:22	WG1890390
(S) o-Terphenyl	*101*				*52.0-156*		*07/09/2022 12:22*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.94	T8	1	07/09/2022 10:00	WG1891817

Sample Narrative:
L1511254-20 WG1891817: 6.94 at 23.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	937		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-20 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	49.2		0.379	1.00	1.00	1	07/16/2022 14:47	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.368		0.0314	0.100	0.100	1	07/11/2022 23:42	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*93.2*				*78.0-120*		*07/11/2022 23:42*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.0436		0.0000941	0.00100	0.00100	1	07/10/2022 00:48	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/10/2022 00:48	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/10/2022 00:48	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/10/2022 00:48	WG1892399
(S) Toluene-d8	*99.9*				*80.0-120*		*07/10/2022 00:48*	WG1892399
(S) 4-Bromofluorobenzene	*95.3*				*77.0-126*		*07/10/2022 00:48*	WG1892399
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*07/10/2022 00:48*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.770		0.0222	0.100	0.100	1	07/12/2022 23:41	WG1890390
C28-C36 Motor Oil Range	1.32		0.0118	0.100	0.100	1	07/12/2022 23:41	WG1890390
(S) o-Terphenyl	*107*				*52.0-156*		*07/12/2022 23:41*	WG1890390

L1510100-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1510100-02 07/08/22 13:00 • (DUP) R3812476-2 07/08/22 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	4.48	4.48	1	0.000		1

Sample Narrative:

OS: 4.48 at 19.1C

DUP: 4.48 at 19.6C

L1511254-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-10 07/08/22 13:00 • (DUP) R3812476-3 07/08/22 13:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.00	6.99	1	0.143		1

Sample Narrative:

OS: 7 at 19.3C

DUP: 6.99 at 19C

Laboratory Control Sample (LCS)

(LCS) R3812476-1 07/08/22 13:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.93	99.3	99.0-101	

Sample Narrative:

LCS: 9.93 at 23.9C

Received by OCD: 1/13/2023 9:54:10 AM

L1510680-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1510680-01 07/08/22 15:00 • (DUP) R3812636-2 07/08/22 15:00

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	5.81	5.76	1	0.864		1

Sample Narrative:
OS: 5.81 at 20.2C
DUP: 5.76 at 20.4C

Laboratory Control Sample (LCS)

(LCS) R3812636-1 07/08/22 15:00

Analyte	Spike Amount su	LCS Result su	LCS Rec. %	Rec. Limits %	LCS Qualifier
pH	10.0	9.91	99.1	99.0-101	

Sample Narrative:
LCS: 9.91 at 24.3C

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L1511788-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1511788-01 07/08/22 16:26 • (DUP) R3812662-2 07/08/22 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.75	6.75	1	0.000		1

Sample Narrative:

OS: 6.75 at 22.7C

DUP: 6.75 at 22.8C

L1511788-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1511788-04 07/08/22 16:26 • (DUP) R3812662-3 07/08/22 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.78	6.83	1	0.735		1

Sample Narrative:

OS: 6.78 at 21.9C

DUP: 6.83 at 22.6C

Laboratory Control Sample (LCS)

(LCS) R3812662-1 07/08/22 16:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.90	99.0	99.0-101	

Sample Narrative:

LCS: 9.9 at 24C

Received by OCD: 1/13/2023 9:54:10 AM

L1511998-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1511998-02 07/09/22 10:00 • (DUP) R3812780-3 07/09/22 10:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.14	7.20	1	0.837		1

Sample Narrative:

OS: 7.14 at 23.4C

DUP: 7.2 at 23.9C

Laboratory Control Sample (LCS)

(LCS) R3812780-1 07/09/22 10:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.92	99.2	99.0-101	

Sample Narrative:

LCS: 9.92 at 23.4C

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Method Blank (MB)

(MB) R3813790-1 07/12/22 15:19

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1511254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-01 07/12/22 15:19 • (DUP) R3813790-3 07/12/22 15:19

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	774	776	1	0.258		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1511254-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-20 07/12/22 15:19 • (DUP) R3813790-4 07/12/22 15:19

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	937	933	1	0.428		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3813790-2 07/12/22 15:19

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	268	277	103	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R3815752-1 07/16/22 10:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1511254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-01 07/16/22 10:40 • (DUP) R3815752-3 07/16/22 10:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	143	142	1	0.175		15

L1511254-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-20 07/16/22 14:47 • (DUP) R3815752-6 07/16/22 14:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	49.2	49.2	1	0.0262		15

Laboratory Control Sample (LCS)

(LCS) R3815752-2 07/16/22 10:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.1	80.0-120	

L1511254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1511254-01 07/16/22 10:40 • (MS) R3815752-4 07/16/22 10:59 • (MSD) R3815752-5 07/16/22 11:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	143	185	185	84.9	84.8	1	80.0-120			0.0167	15

L1511254-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1511254-20 07/16/22 14:47 • (MS) R3815752-7 07/16/22 15:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	49.2	96.6	94.7	1	80.0-120	

Method Blank (MB)

(MB) R3813861-2 07/11/22 16:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3813861-1 07/11/22 15:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.68	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*78.0-120*	

L1511254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1511254-01 07/11/22 16:49 • (MS) R3813861-3 07/12/22 00:02 • (MSD) R3813861-4 07/12/22 00:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	U	5.95	5.69	108	103	1	10.0-160			4.47	22
(S) a,a,a-Trifluorotoluene(FID)					*110*	*110*		*78.0-120*				

Received by OCD: 1/13/2023 9:54:10 AM

Method Blank (MB)

(MB) R3814190-3 07/13/22 04:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0478	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3814190-2 07/13/22 03:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.82	87.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

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Method Blank (MB)

(MB) R3813731-3 07/09/22 18:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*93.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3813731-1 07/09/22 17:09 • (LCSD) R3813731-2 07/09/22 17:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00530	0.00559	106	112	70.0-123			5.33	20
Toluene	0.00500	0.00527	0.00520	105	104	79.0-120			1.34	20
Ethylbenzene	0.00500	0.00476	0.00486	95.2	97.2	79.0-123			2.08	20
Xylenes, Total	0.0150	0.0143	0.0148	95.3	98.7	79.0-123			3.44	20
(S) Toluene-d8				*94.1*	*94.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*87.9*	*88.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R3814984-3 07/12/22 23:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3814984-1 07/12/22 21:52 • (LCSD) R3814984-2 07/12/22 22:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00501	0.00498	100	99.6	70.0-123			0.601	20
(S) Toluene-d8				*108*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*91.6*	*89.2*	*70.0-130*				

Method Blank (MB)

(MB) R3815844-4 07/15/22 15:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3815844-1 07/15/22 13:36 • (LCSD) R3815844-2 07/15/22 13:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00534	0.00513	107	103	70.0-123			4.01	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R3813841-1 07/12/22 10:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C36 Motor Oil Range	0.0212	J	0.0118	0.100
(S) o-Terphenyl	*101*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3813841-2 07/12/22 11:17 • (LCSD) R3813841-3 07/12/22 11:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.79	1.74	119	116	50.0-150			2.83	20
(S) o-Terphenyl				*117*	*113*	*52.0-156*				

Method Blank (MB)

(MB) R3812436-1 07/08/22 09:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C36 Motor Oil Range	0.0553	J	0.0118	0.100
(S) o-Terphenyl	*108*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3812436-2 07/08/22 09:35 • (LCSD) R3812436-3 07/08/22 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.71	1.67	114	111	50.0-150			2.37	20
(S) o-Terphenyl				*112*	*109*	*52.0-156*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Kane Environmental Engineering, Inc.
2351 East Hwy 21
Lincoln, TX 78948

Billing Information:
Accounts Payable
2351 East Hwy 21
Lincoln, TX 78948

Pres Chk

Report to: **Russell Hamm**

Email To: alanjkane@comcast.net;rhammenviro@gmail.c

Project Description: **Hobbs Area Sampling**

City/State Collected: Buckeye, NM

Please Circle: PT (MT) CT ET

Phone: **918-693-4833**

Client Project # 22-215

Lab Project # **KANEBTX-HOBBS**

Collected by (print): Alan Kane

Site/Facility ID # Buckeye

P.O. #

Collected by (signature): Alan Kane

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 511254

Table #

Acctnum: **KANEBTX**

Template: **T211534**

Prelogin: **P932919**

PM: **134 - Mark W. Beasley**

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	SPCON 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	pH (Dem 250 ml)	Remarks	Sample # (lab only)
TW-11	grab	GW		6/30/22	7:30	8	✓	✓	✓	✓	✓	✓		-01
MW-12		GW			7:50									-02
MW-26		GW			8:15									-03
MW-25		GW			8:30									-04
MW-20		GW			8:50									-05
MW-24		GW			9:10									-06
MW-13		GW			12:45									-07
TW-13		GW			11:10									-08
MW-18		GW			11:35									-09
MW-14		GW			12:30									-10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		✓ N
Bottles arrive intact:		✓ N
Correct bottles used:		✓ N
Sufficient volume sent:		✓ N
If Applicable		
VOA Zero Headspace:		✓ N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		✓ N

Relinquished by : (Signature)	Date: 7/1/22	Time: 9:25am	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 7/1/22	Time: 1700	Received by: (Signature) SWA	Temp: °C 3.2 to 3.2	Bottles Received: 160
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7-2	Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Kane Environmental Engineering, Inc.
2351 East Hwy 21
Lincoln, TX 78948

Billing Information:
Accounts Payable
2351 East Hwy 21
Lincoln, TX 78948

Pres Chk

Report to: Russell Hamm

Email To: alanjkane@comcast.net;rhammenviro@gmail.c

Project Description: Hobbs Area Sampling

City/State Collected: Buckeye NM

Please Circle: PT (MT) CT ET

Phone: 918-693-4833

Client Project # 22-215

Lab Project # KANEBTX-HOBBS

Collected by (print): Alan Kane

Site/Facility ID # Buckeye

P.O. #

Collected by (signature): Alan Kane

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	SPCON 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	pH (from 250 ml)	Remarks	Sample # (lab only)
MW-4	grab	GW		6/30/22	1:00	8	✓	✓	✓	✓	✓	✓		-11
MW-17		GW			1:25									-12
MW-16		GW			9:50									-13
MW-22		GW			9:35									-14
MW-5		GW			10:35									-15
MW-15		GW			10:15									-16
MW-21		GW			10:55									-17
MW-7		GW			1:45									-18
MW-6		GW			2:00									-19
MW-1		GW			2:30									-20

Chain of Custody Page ___ of ___

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SDG # 1511254

Table #

Acctnum: KANEBTX

Template: T211534

Prelogin: P932919

PM: 134 - Mark W. Beasley

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓Y ___N
COC Signed/Accurate: ✓Y ___N
Bottles arrive intact: ✓Y ___N
Correct bottles used: ✓Y ___N
Sufficient volume sent: ✓Y ___N
If Applicable
VOA Zero Headspace: ✓Y ___N
Preservation Correct/Checked: ___Y ___N
RAD Screen <0.5 mR/hr: ✓Y ___N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
Alan Kane	7/1/22	9:25		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	7/1/22	MW	SWA	3.2+0=3.2 160	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / (OK)
			William Stirek	7-2 9:00	

Pace Analytical®

ANALYTICAL REPORT

July 20, 2022

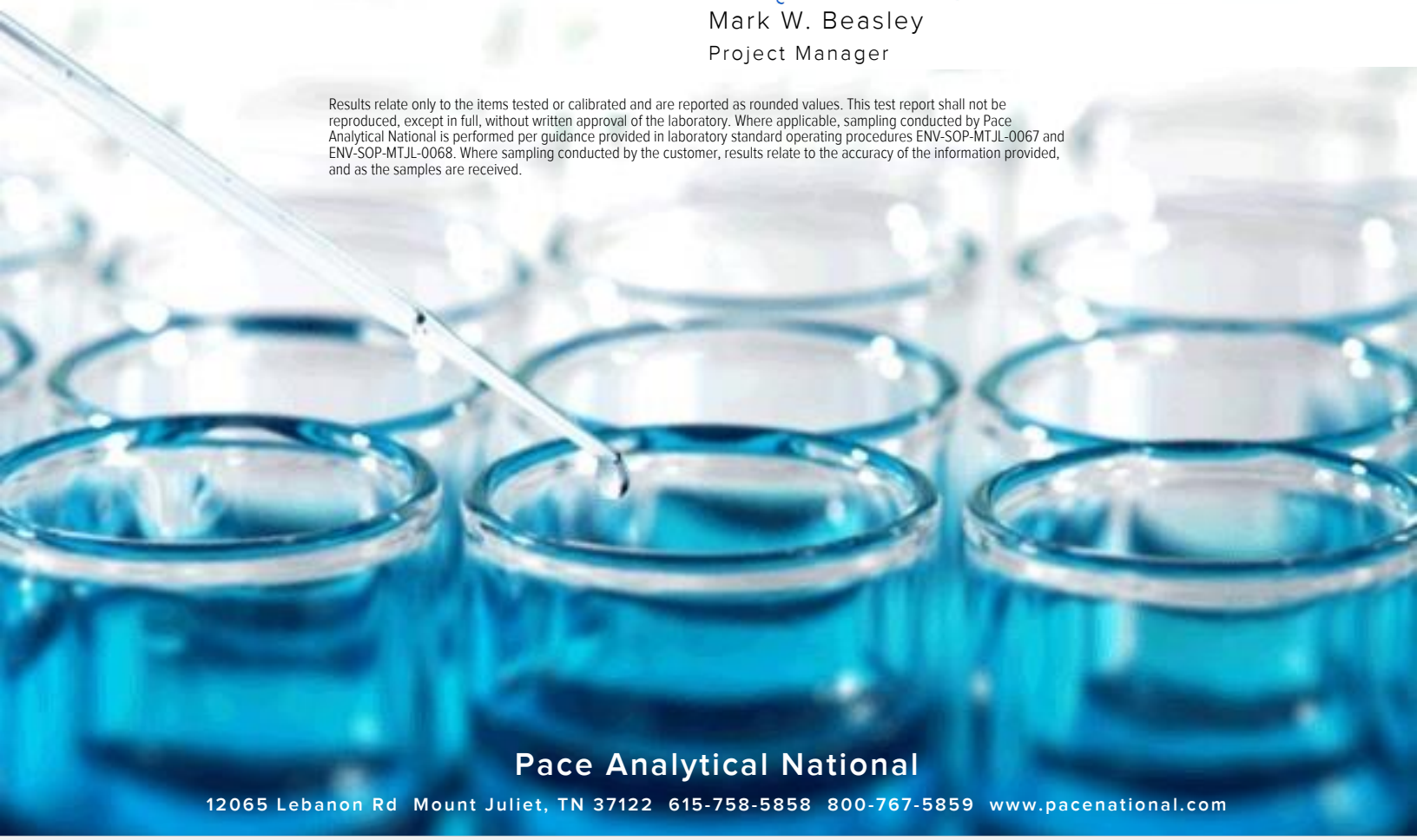
Kane Environmental Engineering, Inc.

Sample Delivery Group:	L1511255
Samples Received:	07/02/2022
Project Number:	22-215
Description:	Hobbs Area Sampling
Site:	BUCKEYE
Report To:	Russell Hamm 2351 East Hwy 21 Lincoln, TX 78948

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-2 L1511255-01 GW

	Collected by	Collected date/time	Received date/time
	Alan Kane	06/30/22 14:15	07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050A	WG1897150	1	07/20/22 05:54	07/20/22 05:54	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896706	1	07/18/22 16:00	07/18/22 16:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1893415	1	07/12/22 05:16	07/12/22 05:16	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892477	1	07/09/22 18:32	07/09/22 18:32	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/11/22 23:45	DMG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	888		10.0	10.0	1	07/20/2022 05:54	WG1897150

Sample Narrative:
L1511255-01 WG1897150: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	98.4		0.379	1.00	1.00	1	07/18/2022 16:00	WG1896706

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.405		0.0314	0.100	0.100	1	07/12/2022 05:16	WG1893415
(S) a,a,a-Trifluorotoluene(FID)	*106*				*78.0-120*		*07/12/2022 05:16*	WG1893415

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.0176		0.0000941	0.00100	0.00100	1	07/09/2022 18:32	WG1892477
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 18:32	WG1892477
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 18:32	WG1892477
Total Xylenes	0.000300	J	0.000174	0.00300	0.00300	1	07/09/2022 18:32	WG1892477
(S) Toluene-d8	*115*				*80.0-120*		*07/09/2022 18:32*	WG1892477
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*07/09/2022 18:32*	WG1892477
(S) 1,2-Dichloroethane-d4	*72.4*				*70.0-130*		*07/09/2022 18:32*	WG1892477

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0738	J	0.0222	0.100	0.100	1	07/11/2022 23:45	WG1890390
C28-C36 Motor Oil Range	U		0.0118	0.100	0.100	1	07/11/2022 23:45	WG1890390
(S) o-Terphenyl	*95.5*				*52.0-156*		*07/11/2022 23:45*	WG1890390

Method Blank (MB)

(MB) R3816929-1 07/20/22 05:54

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1510334-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1510334-04 07/20/22 05:54 • (DUP) R3816929-3 07/20/22 05:54

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	ND	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1514753-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1514753-01 07/20/22 05:54 • (DUP) R3816929-4 07/20/22 05:54

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	7140	7180	1	0.559		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3816929-2 07/20/22 05:54

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	268	277	103	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R3816566-1 07/18/22 09:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1511286-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1511286-03 07/18/22 12:12 • (DUP) R3816566-3 07/18/22 12:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	15700	15100	100	4.06		15

L1510725-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1510725-01 07/18/22 13:06 • (DUP) R3816566-6 07/18/22 13:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	42.2	41.6	1	1.51		15

Laboratory Control Sample (LCS)

(LCS) R3816566-2 07/18/22 09:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.8	102	80.0-120	

L1511286-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1511286-03 07/18/22 12:12 • (MS) R3816566-4 07/18/22 12:39 • (MSD) R3816566-5 07/18/22 12:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	15700	15700	15200	50.1	0.000	100	80.0-120	V	V	3.18	15

L1510725-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1510725-01 07/18/22 13:06 • (MS) R3816566-7 07/18/22 13:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	42.2	95.2	106	1	80.0-120	

Method Blank (MB)

(MB) R3813764-2 07/12/22 04:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3813764-1 07/12/22 04:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.51	100	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

Method Blank (MB)

(MB) R3813347-3 07/09/22 17:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*76.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3813347-1 07/09/22 15:58 • (LCSD) R3813347-2 07/09/22 16:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00438	0.00449	87.6	89.8	70.0-123			2.48	20
Toluene	0.00500	0.00469	0.00471	93.8	94.2	79.0-120			0.426	20
Ethylbenzene	0.00500	0.00444	0.00441	88.8	88.2	79.0-123			0.678	20
Xylenes, Total	0.0150	0.0138	0.0134	92.0	89.3	79.0-123			2.94	20
(S) Toluene-d8				*109*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*74.6*	*86.3*	*70.0-130*				

Received by OCD: 1/13/2023 9:54:10 AM

Method Blank (MB)

(MB) R3812436-1 07/08/22 09:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C36 Motor Oil Range	0.0553	J	0.0118	0.100
(S) o-Terphenyl	*108*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3812436-2 07/08/22 09:35 • (LCSD) R3812436-3 07/08/22 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.71	1.67	114	111	50.0-150			2.37	20
(S) o-Terphenyl				*112*	*109*	*52.0-156*				

Released to Imaging: 3/14/2023 12:44:14 PM

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Kane Environmental Engineering, Inc.

2351 East Hwy 21
Lincoln, TX 78948

Billing Information:
Accounts Payable
2351 East Hwy 21
Lincoln, TX 78948

Pres Chk

Report to: **Russell Hamm**

Email To: alanjkane@comcast.net;rhammenviro@gmail.c

Project Description: **Hobbs Area Sampling**

City/State Collected: Buckeye, NM

Please Circle: PT MT CT ET

Phone: **918-693-4833**

Client Project # 22-215

Lab Project # **KANEBTX-HOBBS**

Collected by (print): Alan Kane

Site/Facility ID # Buckeye

P.O. #

Collected by (signature): Alan Kane

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	SPCON 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-2	G	GW		6/30/22	2:15	8	✓	✓	✓	✓	✓		-01
		GW											
		GW											
		GW											
		GW											
		GW											

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 151255
A178

Acctnum: **KANEBTX**
Template: **T211534**
Prelogin: **P932919**
PM: **134 - Mark W. Beasley**
PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: ✓ Y N
Bottles arrive intact: ✓ Y N
Correct bottles used: ✓ Y N
Sufficient volume sent: ✓ Y N
If Applicable
VOA Zero Headspace: ✓ Y N
Preservation Correct/Checked: ✓ Y N
RAD Screen <0.5 mR/hr: ✓ Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Alan Kane	7/1/22	9:25AM		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	7/1/22	1700	SWA	2.4+0=2.4 8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			William Stiles	7-2 9:00	

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 175843

CONDITIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 175843
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	2022 future Activities within report are approved. Please submit next annual report no later than August 31, 2023.	3/14/2023