2024 Annual Groundwater Monitoring and Activities Summary Report

Eldridge Ranch
Lea County, New Mexico
AP-33
Incident No. nAUTOfWCO00145

REVIEWED
By Mike Buchanan at 4:22 pm, Apr 24, 2025

Review of the Eldridge Ranch, 2024 Annual Groundwater Report: content satisfactory
1. Continue to conduct EFR remediation activities for the 2025 calendar year.
2. Assess LNAPL recovery for 2025 and keep OCD apprised of any recommendations or findings related to rate of recovery and next steps.
3. Gauge MW-23 and MW-14 as practicable.
4. Continue to conduct groundwater monitoring on a quarterly basis for wells not containing LNAPL.
5. Submit the 2025 Annual Report to OCD no later than April 1, 2026

Prepared for:

6900 E. Layton Ave., Suite 900
Denver, CO 80237-3658

Prepared by:

2620 W. Marland Blvd.
Hobbs, NM 88240

March 24, 2025

Table of Contents

1. Introduction

This report summarizes annual 2024 groundwater monitoring and remediation activities conducted at the Eldridge Ranch Pipeline Release (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Operating Company (DCP). The groundwater monitoring activities described herein were conducted to monitor the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons, measure groundwater levels, obtain groundwater samples for laboratory analysis, and evaluate groundwater flow and quality conditions. Field data and laboratory analytical results collected on September 23-25, 2024, and were used to develop a groundwater elevation contour map and an analytical results map to evaluate current conditions at the Site.

2. Site Location and Background

The Site is located in New Mexico Oil Conservation Division (OCD) designated Unit P, Section 21, Township 19 South, Range 37 East, approximately 1 mile north and 3/4 of a mile east of the town of Monument in Lea County, New Mexico. The approximate coordinates are 32.642 degrees north and 103.256 degrees west. The surrounding area is predominantly uninhabited and used for ranching and oil and gas production and gathering. Approximately five underground pipelines traverse the Site.

The Site includes the former Eldridge Ranch property to the south and the former Huston property in the central portion, both of which are owned by DCP. The northern portion of the Site consists of land leased by DCP from the State of New Mexico. The Site spans more than a mile north to south over these three sections. For ease of discussion, the State of New Mexico property is referred to as the North Area, the Huston property is referenced as the Central Area, and the Eldridge Property is referred to as the South Area, as shown on Figure 2.

On March 9 and 12, 2018 plugging and abandonment of thirteen (13) total monitoring wells and one residential well was conducted in accordance with an approved Well Plugging Plan of Operations approved on February 27, 2018. The 13 wells plugged and abandoned included the Eldridge House Well, and Monitoring Wells: MW-1, MW-1D, MW-2, MW-3, MW-16, MW-17, NMG MW-2, NMG MW-3, NMG MW-4, NMG MW-6, NMG MW-7, and NMG MW-8.

3. Groundwater Monitoring

This section describes the field groundwater monitoring activities performed during the annual 2024 monitoring event on September 23-25, 2024. Monitoring activities included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels were measured in order to evaluate hydraulic characteristics and provide information regarding fluctuations in groundwater and LNAPL elevations at the Site. Annual 2024 groundwater levels were measured at 31 of the 45 monitoring well locations.

The monitoring wells were gauged on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater levels were subsequently converted to elevations (feet above mean sea level [AMSL]).

Groundwater and LNAPL elevations collected during the reporting period as well as historical elevations are presented in Table 1. An annual 2024 groundwater elevation map, included as Figure 3, indicates that groundwater flow at the Site trends to the south-southeast. Groundwater elevations, ranges, average elevation change from the previous monitoring event and the calculated hydraulic gradient at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	2024 Annual (9/23/2024)
Maximum Elevation (Well ID)	3,614.76 (NMG MW-5)
Minimum Elevation (Well ID)	3,596.62 (MW-E)
Average Change from Previous Monitoring Event – All Wells	-0.37 feet
Hydraulic Gradient (ft/ft) / (Well IDs)	0.004 (NMG MW-5 to MW-E)

During the annual 2024 event, LNAPL was observed at four monitoring wells, as summarized below:

Monitoring Well ID	**Measured LNAPL Thickness (feet)**
MW-14*	NM
MW-27	0.43
MW-CC	0.41
MW-LL	0.47

*Not measured - Did not exhibit measurable amount of LNAPL when gauged prior to well purging on September 24, 2024.

LNAPL was not observed in monitor well MW-14 during the site-wide gauging event on September 23, 2024. After removing approximately one gallon of groundwater during well purging activities on September 24, 2024, approximately 2.5 inches of LNAPL were observed in the sampling bailer. An accurate LNAPL thickness could not be measured due to the mixing caused by purging activities. Measurable LNAPL was not present at monitor well MW-N since being measured at 0.36 feet in 2022 and monitor well MW-23 since being measured at 0.42 feet in 2020.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each monitoring well, groundwater samples were collected from monitoring wells that did not contain measurable LNAPL and that are historically included in the sampling network. A minimum of three well casing volumes of groundwater (calculated from total depth of the well and groundwater level measurements) was then purged from the subject well prior to the collection of groundwater samples. Groundwater samples were collected using disposable polyethylene bailers, placed in clean laboratory supplied containers, packed in an ice-filled cooler, and

maintained at approximately four (4) degrees Celsius (°C) for transportation to the laboratory. Groundwater samples were then shipped under chain-of-custody procedures to Pace Analytical labs (Pace) in Mount Juliet, Tennessee, for analysis.

Water quality samples were collected from 25 monitoring wells during the annual 2024 monitoring event and submitted to Pace Analytical laboratory for benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyses by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the annual 2024 event. A dissolved phase benzene iso-concentration map is illustrated on Figure 4. In addition, historical analytical results up to and including the September 2024 event are contained in Appendix A. The laboratory analytical report for the reporting period is included in Appendix B and NMOCD sample notifications are included in Appendix C.

Analytical results/observations are summarized below.

- Benzene concentrations in groundwater samples from monitor wells MW-23 (0.0132 milligrams per liter [mg/L]) and its duplicate (0.0163 mg/L), MW-26 (0.0297 mg/L) and its duplicate (0.0563 mg/L), and MW-N (0.194 mg/L) and its duplicate (0.146 mg/L) were above the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.010 mg/L. The remaining well locations that were sampled had benzene concentrations below the NMWQCC groundwater standards and/or laboratory reported detection limits (RDL).
- All sampled monitoring wells were below the NMWQCC groundwater standard or the laboratory detection limit for toluene, ethylbenzene, and total xylenes.

3.3 Data Quality Assurance / Quality Control

Field duplicate samples (MW-23, MW-26, and MW-N) were collected during the sampling event. The data was reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. The Chain of custody forms were in order and properly executed, and data were reported using the correct method number and reporting units. QA/QC items of note for the annual 2024 event include the following:

- Target analytes were not detected in the trip blank.
- The relative percent difference (RPD) for benzene concentrations of parent and duplicate samples at MW-23 was 21.01% (0.0132 mg/L parent and 0.0163 mg/L duplicate), MW-26 was 61.86% (0.0297 mg/L parent and 0.0563 duplicate), and MW-N was 28.23% (0.194 mg/L parent and 0.146 mg/L duplicate).

Review of the QA/QC assessment indicates that data precision and accuracy are acceptable.

4. Remediation Activities

Active LNAPL remediation and passive dissolved phase petroleum hydrocarbon remediation activities were conducted during the 2024 calendar year as described in the following Sections.

4.1 Vacuum Enhanced Fluid Recovery

During 2024, Tasman conducted four vacuum enhanced fluid recovery (EFR) events in March, June, September, and December. EFR was applied at each location using a vacuum truck and down-hole stinger pipe assemblies that were placed slightly below the LNAPL/groundwater interface, thereby removing LNAPL, groundwater, and hydrocarbon vapors from the subsurface. The EFR durations and liquid recovery volumes that were recorded during 2024 EFR efforts are summarized in the table below. The recovered liquid from the EFR events was subsequently transported and disposed of at the Cooper Disposal Facility in Hobbs, New Mexico.

EFR Location *	1Q (3/22/2024)	2Q (6/17/2024)	3Q (9/27/2024)	4Q (12/18/2024)
	Duration (hrs) / Volume Removed (bbl)			
MW-27/MW-CC	4/56	6/10	8/35	6/20
MW-LL	3/9	NA	NA	2/5
MW-N	NA	NA	NA	NA

Notes:
* Vacuum enhanced fluid recovery at MW-27 and MW-CC was conducted simultaneously.
bbl = barrels hrs = hours NA = Not Applicable

4.2 Monitored Natural Attenuation (MNA)

In addition to EFR remediation activities, MNA continues to be employed as a remediation strategy to address dissolved phase petroleum hydrocarbon detections at the Site.

Due to the continuous reduction in hydrocarbon concentrations, monitoring wells in the North Area and South Area of the Site have exhibited detections below NMWQCC groundwater standards and/or laboratory detection limits. During the September 2024 monitoring event, NMG-MW-5 (North Area) was below the standard for benzene after being above standards since 2022. MW-M and MW-O had benzene levels below NMWQCC groundwater standards for three consecutive years after 11 years of elevated concentrations. These wells will continue to be evaluated during 2025 for any further changes.

Historical and 2024 annual analytical data suggests that MNA continues to demonstrate the overall general degradation of dissolved phase hydrocarbon concentrations at the Site.

5. Conclusions

Data and observations collected during the annual 2024 monitoring event provide the following conclusions:

- Site-wide:
  - Dissolved phase BTEX concentrations indicate an overall declining trend.
- North Area of the Site:
  - Benzene concentrations within the North Area were below the laboratory detection limits and NMWQCC groundwater standards during the annual 2024 monitoring event.
- Central Area of the Site:
  - LNAPL persists with fluctuating thicknesses in monitoring wells MW-27 and MW-CC. Thicknesses were calculated as 0.43 and 0.41 feet, respectively, during the 2024 annual monitoring event.
  - Measurable LNAPL was not present at MW-N since being measured at 0.36 feet in 2022
  - Measurable LNAPL was not present at MW-23 since being measured at 0.42 feet in 2020.
  - Elevated dissolved phase benzene concentrations continue to be observed within the Central Area of the Site. However, benzene concentrations within the plume continue to exhibit declining trends with seasonal variations depending on the groundwater elevations at the Site and indicates that the overall dissolved phase plume is naturally attenuating and point of compliance wells remain unimpacted.
- South Area of the Site:
  - Following well abandonment activities performed during March 2018, remaining wells within the South Area are no longer sampled as part of the annual monitoring program.

6. Recommendations

Based on evaluation of the 2024 annual monitoring event site observations and monitoring results, the following recommendations have been developed for future activities:

- Continue annual groundwater monitoring activities during 2025, scheduled during September 2025.
- Continue EFR remediation activities at MW-N, MW-LL, MW-27, and MW-CC, as needed. During 2025, EFR events will continue to be performed on a quarterly basis beginning in the first quarter of 2025 for a total of four (4) events. Ongoing EFR efforts will be further assessed following annual monitoring events.
- MW-23 and MW-14 will be gauged during each quarterly EFR event, but EFR will be suspended until measurable LNAPL is observed at these locations.

Tables

TABLE 1
2024 ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
MW-1	3/12/2018	PLUGGED AND ABANDONED						
MW-1D	3/12/2018	PLUGGED AND ABANDONED						
MW-2	3/12/2018	PLUGGED AND ABANDONED						
MW-3	3/12/2018	PLUGGED AND ABANDONED						
MW-4	9/23/2024	NM			NM	3621.31	NA	NA
MW-5	9/23/2024	NM			NM	3618.08	NA	NA
MW-6	9/23/2024	23.93			29.88	3624.99	3601.06	-0.53
MW-7	9/23/2024	DRY			28.33	3630.62	NA	NA
MW-8	9/23/2024	26.19			32.23	3625.92	3599.73	-0.46
MW-9	9/23/2024	DRY			19.85	3620.78	NA	NA
MW-10	9/23/2024	26.13			31.35	3627.27	3601.14	-0.36
MW-11	9/23/2024	26.72			32.81	3627.56	3600.84	-0.48
MW-12	9/23/2024	28.86			33.87	3631.14	3602.28	-0.35
MW-13	9/23/2024	30.90			37.46	3632.90	NA	NA
MW-14*	9/23/2024	27.00			34.74	3630.36	3603.36	-0.68
MW-15	9/23/2024	28.18			39.02	3635.47	NA	NA
MW-16	3/12/2018	PLUGGED AND ABANDONED						
MW-17	3/12/2018	PLUGGED AND ABANDONED						
MW-18	9/23/2024	25.90			34.81	3623.53	3597.63	-0.54
MW-19	9/23/2024	20.95			30.10	3617.99	3597.04	-0.62
MW-20	9/23/2024	33.40			35.24	3637.14	3603.74	-0.25
MW-21	9/23/2024	DRY			24.72	3633.27	NA	NA
MW-22	9/23/2024	25.50			34.76	3628.68	3603.18	-0.43
MW-23	9/23/2024	26.51			33.48	3632.02	3605.51	-0.34
MW-24	9/23/2024	NM			NM	3609.15	NA	NA
MW-25	9/23/2024	29.36			36.31	3640.14	3610.78	-0.18
MW-26	9/23/2024	26.91			35.43	3635.01	3608.10	-0.30
MW-27	9/23/2024	32.88	32.45	0.43	39.32	3636.41	3603.85	-0.54
MW-28	9/23/2024	DRY			21.87	3632.58	NA	NA
MW-29	9/23/2024	28.30			31.01	3634.17	3605.87	-0.36
MW-30	9/23/2024	DRY			22.68	3630.76	NA	NA
MW-31	9/23/2024	DRY			20.23	3625.38	NA	NA
MW-A	9/23/2024	NM			NM	3616.26	NA	NA
MW-E	9/23/2024	23.82			28.70	3620.44	3596.62	-0.61
MW-F	9/23/2024	19.65			23.12	3616.44	3596.79	-0.56
MW-I	9/23/2024	27.80			36.61	3627.63	3599.83	-0.47
MW-J	9/23/2024	DRY			24.10	3624.79	NA	NA

TABLE 1
2024 ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
MW-M	9/23/2024	30.86			40.17	3634.10	3603.24	-0.30
MW-N	9/23/2024	32.73			39.21	3635.45	3602.72	-0.41
MW-O	9/23/2024	31.32			38.62	3634.05	3602.73	-0.40
MW-Q	9/23/2024	27.91			36.92	3631.59	3603.68	-0.39
MW-S	9/23/2024	20.46			31.43	3622.20	3601.74	-0.40
MW-CC	9/23/2024	32.46	32.05	0.41	38.02	3635.22	3603.07	-0.33
MW-EE	9/23/2024	25.87			34.08	3632.32	3606.45	0.00
MW-LL	9/23/2024	33.02	32.55	0.47	39.42	3635.41	3602.39	-0.37
MW-MM	9/23/2024	27.14			35.25	3631.61	3604.47	-0.37
NMG-MW-2	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-3	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-4	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-5	9/23/2024	33.79			38.32	3648.55	3614.76	-0.23
NMG-MW-6	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-7	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-8	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-9	9/23/2024	DRY			28.21	3642.12	NA	NA
NMG-MW-10	9/23/2024	29.90			32.23	3641.78	3611.88	0.00
NMG-MW-11	9/23/2024	DRY			25.57	3640.37	NA	NA
NMG-MW-12	9/23/2024	DRY			28.28	3638.20	NA	NA
NMG-MW-13	9/23/2024	DRY			14.83	3636.64	NA	NA
							Average change in groundwater elevation (9/25/2023 to 9/23/2024)	-0.39

Notes:
1- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected
amsl = feet above mean sea level
TOC = top of casing
Groundwater elevation = (TOC Elevation - Measured Depth to Water)
* LNAPL was not observed during gauging activites but was observed in bailer durgin well purging activiteies.
Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Relative Density)
LNAPL relative density is assumed to be approximately 0.75
NM = Not Measured
NA = Not Applicable

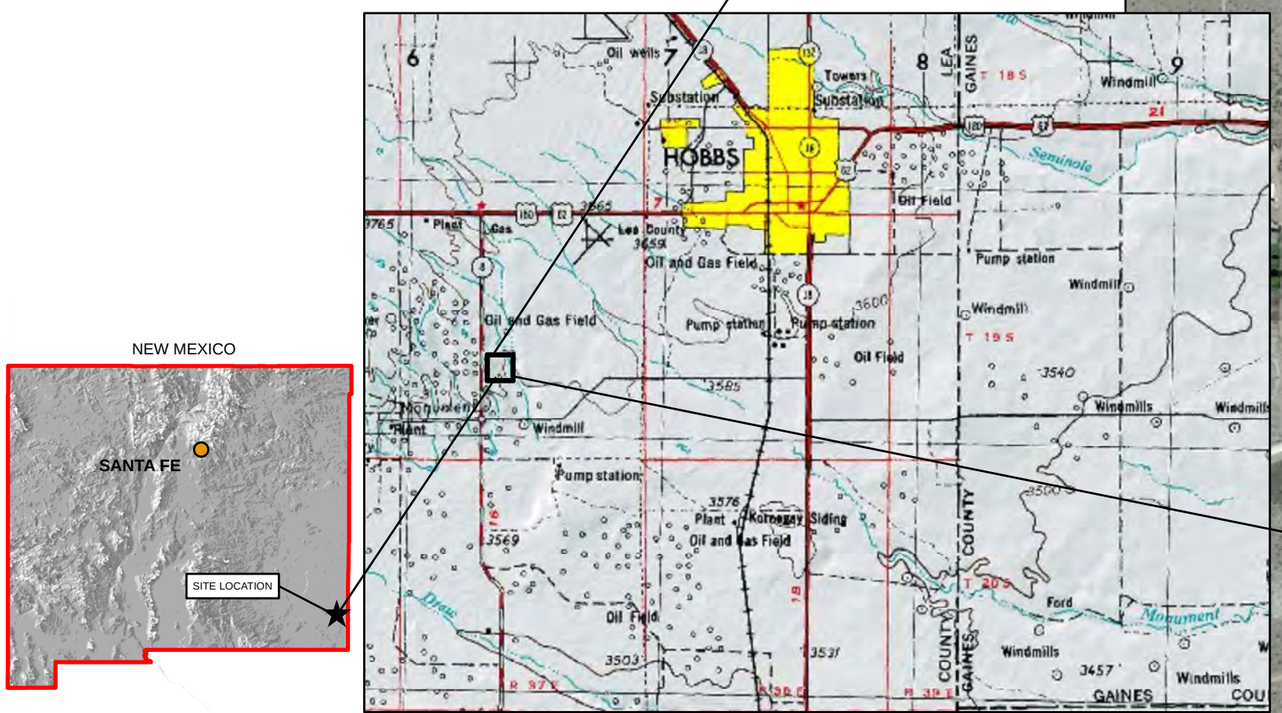
TABLE 2
2024 ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-6	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	9/24/2024	0.000568 J	<0.00100	<0.00100	<0.00300	
MW-10	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-11	9/24/2024	0.00343	0.000371 J	0.000939 J	0.000640 J	
MW-12	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-14	9/24/2024	NS - LNAPL				LNAPL
MW-18	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-23	9/25/2024	**0.0132**	0.00301 J	0.217	0.164	Collect Duplicate 2
MW-23 (Duplicate 2)	9/25/2024	**0.0163**	<0.00100	0.216	0.104	
MW-25	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-26	9/25/2024	**0.0297**	0.0189	0.00304 J	0.0654	Collect Duplicate 1
MW-26 (Duplicate 1)	9/25/2024	**0.0563**	0.027	0.00640	0.0795	
MW-27	9/24/2024	NS - LNAPL				LNAPL - 0.43 ft
MW-29	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-E	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-M	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-N	9/25/2024	**0.194**	<0.00100	0.00323	0.00301	Collect Duplicate 3
MW-N (Duplicate 3)	9/25/2024	**0.146**	<0.00100	0.00204 J	0.00182 J	
MW-O	9/25/2024	0.0014	<0.00100	<0.00100	<0.00300	
MW-Q	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-CC	9/24/2024	NS - LNAPL				LNAPL - 0.41 ft
MW-EE	9/26/2023	0.000118 J	<0.00100	<0.00100	<0.00300	
MW-LL	9/24/2024	NS - LNAPL				LNAPL - 0.47 ft
MW-MM	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-5	9/25/2024	0.000353 J	0.00143	0.00249	0.0120	
NMG-MW-10	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	

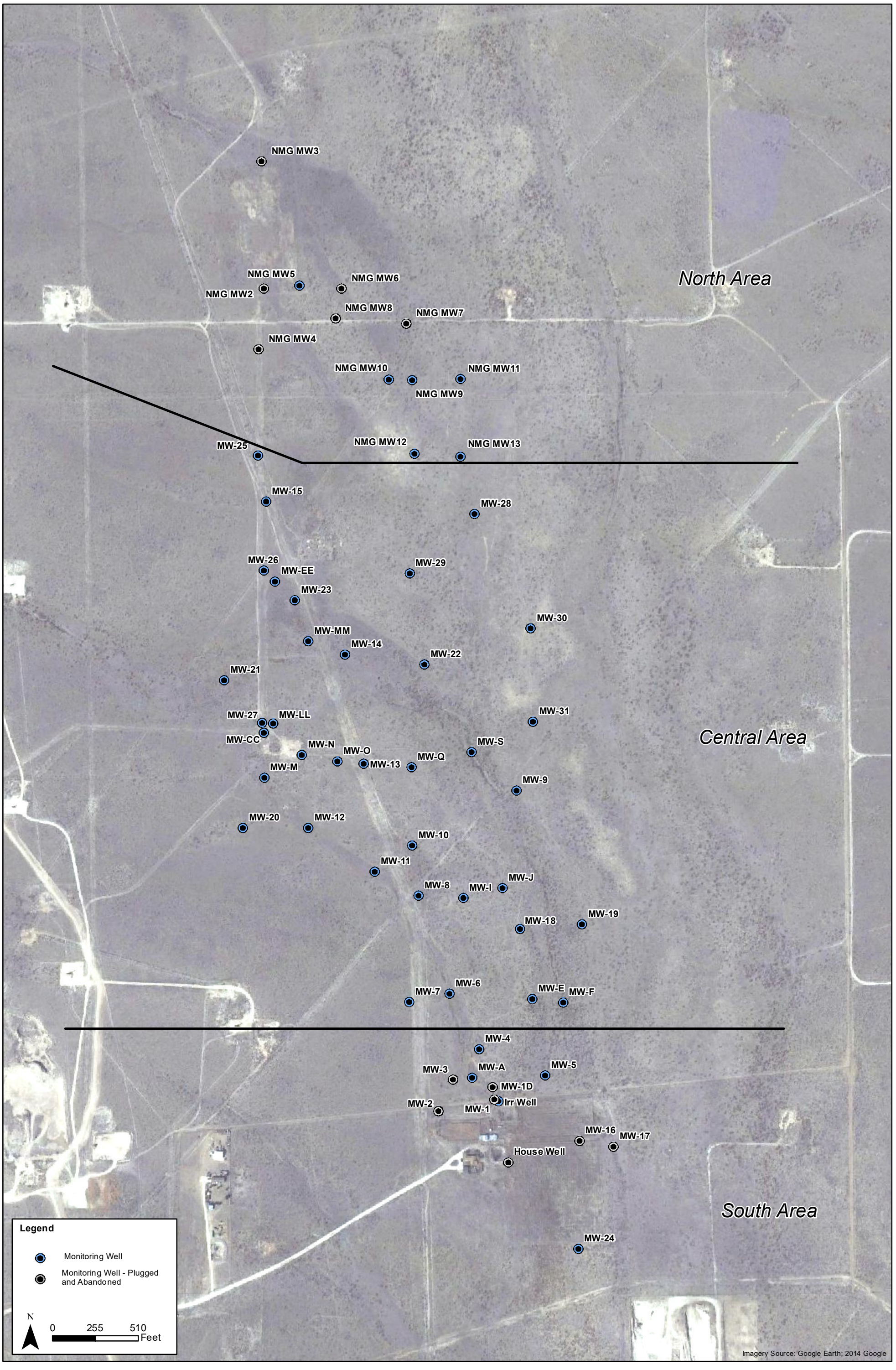
Notes:
Bold red values indicate an exceedance of the associated NMWQCC standard (Effective 7/1/2020) or, for chlorides, the secondary maximum contaminant level (SMCL) which has been established as a guideline in the National Secondary Drinking Water Regulations.
NMWQCC = New Mexico Water Quality Control Commission
LNAPL = light non-aqueous phase liquid
J = A qualifier indicating an estimated value of a concentration above the laboratory's Method Detection Limit (MDL) but below the Reported Detection Limit (RDL).
mg/L = milligrams per liter

Figures

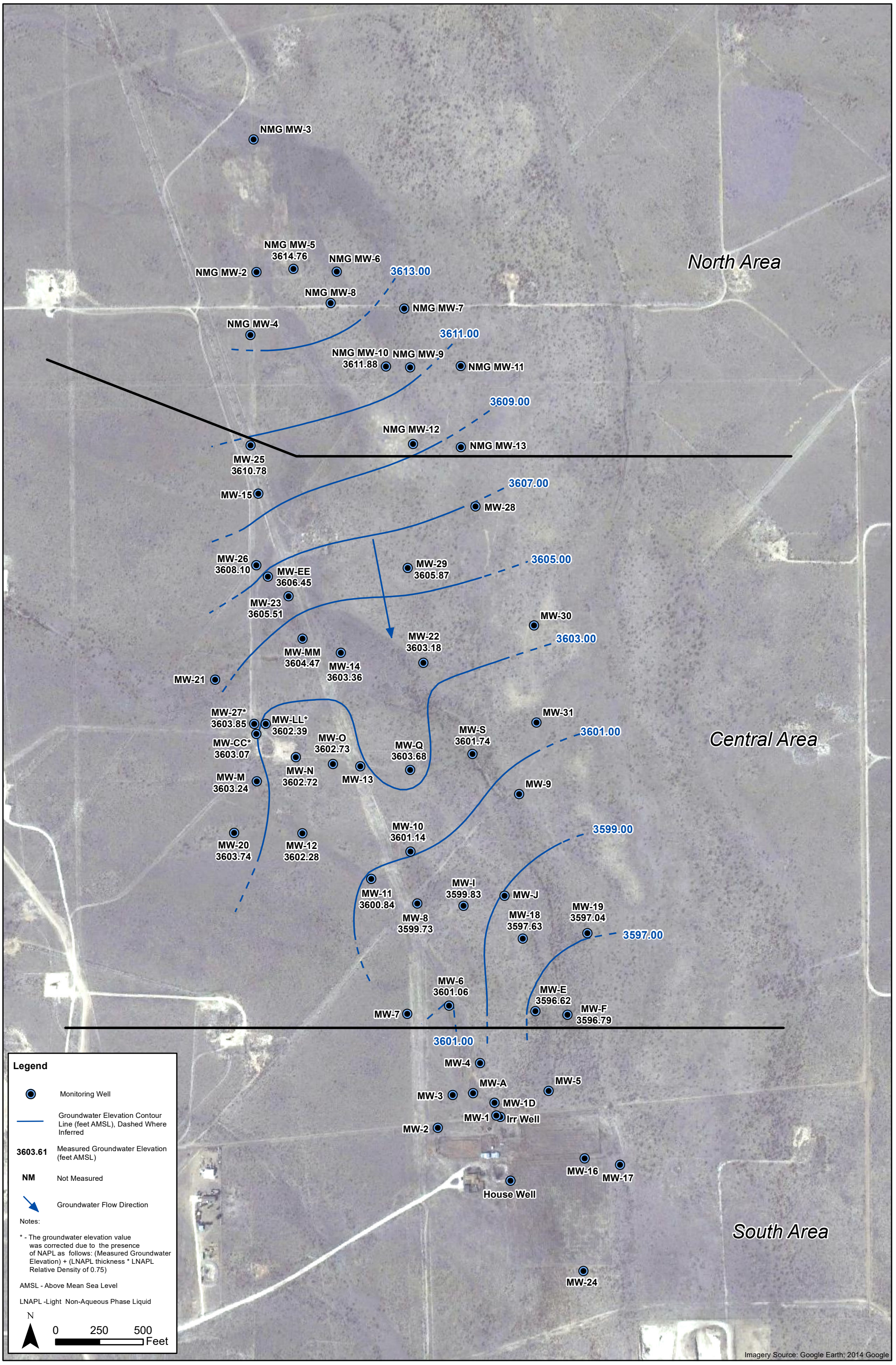
N



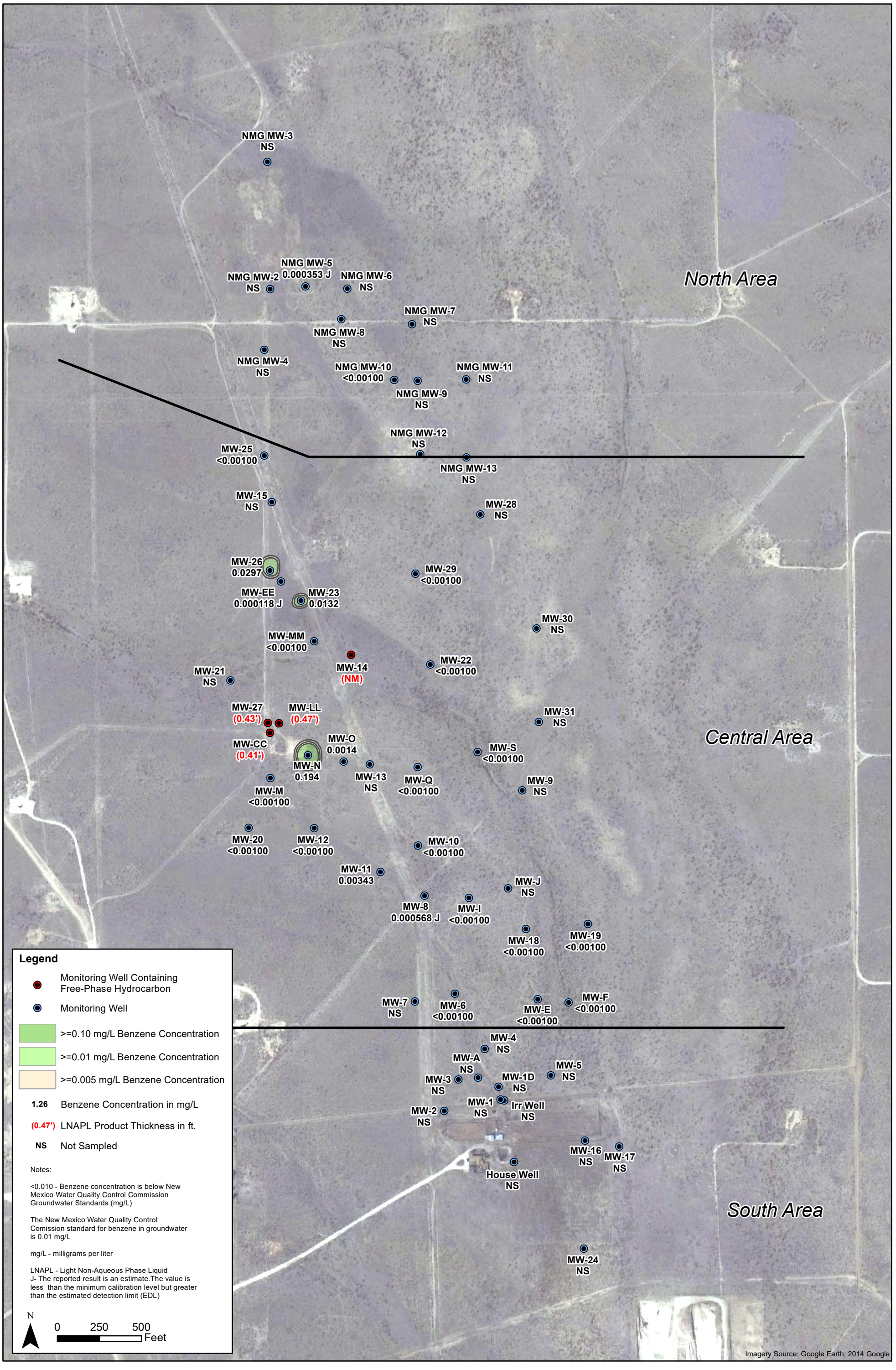
DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCPMidstream** **Eldridge Ranch** Unit P, Section 21, Township 19 South, Range 37 East Lea County, New Mexico	Site Location Map	Figure 1



DATE: February 2022 DESIGNED BY: B. Humphrey DRAWN BY: J. Clonts	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company** **Eldridge Pipeline Release** 2023 Annual Groundwater Monitoring Summary Report	Site Map with Monitoring Well Locations	Figure 2



DATE: January 2025 DESIGNED BY: B. Humphrey DRAWN BY: L. Reed	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company** **Eldridge Pipeline Release** 2024 Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (September 23, 2024)	Figure 3



DATE: Januray 2025 DESIGNED BY: J. Watts DRAWN BY: L. Reed	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company** **Eldridge Pipeline Release** 2024 Annual Groundwater Monitoring Summary Report	Benzene Isoconcentration Contour Map (September 24-25, 2024)	Figure 4

Appendix A

Historical Analytical Results

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-1	9/14/2011	0.0031	<0.002	0.0194	0.0075	
MW-1	3/6/2012	0.0027	<0.002	<0.002	<0.004	
MW-1	9/7/2012	0.0023	<0.002	0.0156	<0.003	
MW-1	2/21/2013	0.0021	<0.002	0.0153	<0.003	
MW-1	9/13/2013	0.0019	<0.002	0.0126	<0.003	
MW-1	2/27/2014	0.0015	<0.002	0.0111	<0.003	
MW-1	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-1	2/26/2015	<0.005	<0.005	0.011	<0.015	
MW-1	9/2/2015	<0.005	<0.005	0.011	<0.015	
MW-1	3/23/2016	<0.0050	<0.0050	0.0075	<0.015	
MW-1	9/27/2016	<0.0010	<0.0010	0.01	0.0033	
MW-1	3/8/2017	0.0011	<0.0010	0.0076	<0.0010	
MW-1	9/27/2017	0.00103	<0.0010	0.00594	<0.0030	
MW-1	3/12/2018	Plugged and Abandoned				
MW-1D	9/14/2011	<0.001	<0.002	0.0005	<0.004	
MW-1D	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-1D	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-1D	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-1D	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-1D	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-1D	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-1D	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-1D	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-1D	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1D	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1D	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-1D	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-1D	3/12/2018	Plugged and Abandoned				
MW-2	9/24/2014	Well Not on Sampling Plan				
MW-2	3/12/2018	Plugged and Abandoned				
MW-3	9/7/2012	NS	NS	NS	NS	
MW-3	2/21/2013	NS	NS	NS	NS	
MW-3	2/27/2014	Well was gauged not sampled				
MW-3	9/24/2014	Well Not on Sampling Plan				
MW-3	3/12/2018	Plugged and Abandoned				
MW-4	9/14/2011	0.0011	<0.004	0.0968	0.291	
MW-4	3/6/2012	0.00033	<0.002	0.0407	0.397	
MW-4	9/7/2012	0.00059	0.0012	0.078	0.29	
MW-4	2/21/2013	0.00049	<0.002	0.0802	0.244	
MW-4	9/13/2013	0.00041	<0.002	0.0695	0.22	
MW-4	2/27/2014	0.00046 J	<0.002	0.047	0.147	
MW-4	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-4	2/26/2015	<0.005	<0.005	0.053	0.14	
MW-4	9/2/2015	<0.005	<0.005	0.057	0.15	
MW-4	3/23/2016	<0.0050	<0.0050	0.036	0.091	
MW-4	9/27/2016	0.0062	0.0084	0.053	0.1	
MW-4	3/8/2017	<0.0050	<0.0050	<0.0050	0.075	
MW-4	9/27/2017	<0.00100	<0.00100	0.0229	0.0632	
MW-4	9/12/2018	Well Not on Sampling Plan				
MW-5	9/14/2011	0.00028	<0.002	0.0091	0.0314	
MW-5	3/6/2012	<0.001	<0.002	0.0095	0.0351	
MW-5	9/7/2012	0.00034	<0.002	0.0073	0.0253	
MW-5	2/21/2013	0.00045	<0.002	0.0068	0.0242	
MW-5	9/13/2013	<0.001	<0.002	0.0068	0.0267	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-5	2/27/2014	<0.001	<0.002	0.0052	0.0181	
MW-5	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-5	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-5	9/2/2015	<0.001	<0.001	0.0017	0.006	
MW-5	3/23/2016	<0.0010	<0.0010	0.003	0.011	
MW-5	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-5	3/8/2017	<0.00100	<0.00100	<0.00100	0.002	
MW-5	9/27/2017	<0.00100	<0.00100	0.000572 J	0.0015 J	
MW-5	9/12/2018	Well Not on Sampling Plan				
MW-6	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-6	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-6	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-6	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-6	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-6	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-6	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-6	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-6	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-6	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-6	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	6/10/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-6	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-7	9/7/2012	NS	NS	NS	NS	
MW-7	2/21/2013	NS	NS	NS	NS	
MW-7	2/27/2014	Well was gauged not sampled				
MW-7	9/24/2014	Well Not on Sampling Plan				
MW-8	9/14/2011	**0.0117**	<0.004	0.0659	0.136	
MW-8	3/8/2012	0.0085	<0.002	0.0473	0.121	Duplicate C sample collected
MW-8	9/6/2012	0.0029	<0.002	0.131	0.344	Duplicate C sample collected
MW-8	2/20/2013	0.0024	<0.002	0.0375	0.0966	
MW-8	9/12/2013	0.0013	<0.002	0.0216	0.0642	
MW-8	2/27/2014	0.0014	<0.002	0.0323	0.0887	
MW-8 (duplicate)	9/25/2014	0.00084 J	<0.001	0.0216	0.0535	Duplicate C sample collected
MW-8	9/25/2014	0.00091 J	<0.001	0.0232	0.058	
MW-8	2/26/2015	<0.005	<0.005	0.023	0.054	
MW-8	9/3/2015	<0.005	<0.005	0.016	0.039	
MW-8	3/22/2016	<0.0050	<0.0050	0.014	<0.015	
MW-8	9/27/2016	0.0052	0.0058	0.012	<0.015	
MW-8	3/8/2017	<0.00100	<0.00100	0.0055	0.0098	
MW-8	9/27/2017	0.00224	0.00111	0.0101	0.0136	
MW-8	9/13/2018	0.00121	<0.0010	0.00481	0.00604	
MW-8	6/11/2019	0.000634 J	<0.0010	0.00198	0.00216 J	
MW-8	6/10/2020	0.000327 J	<0.0010	0.000243 J	0.000268 J	
MW-8	6/17/2021	0.000242 J	<0.0010	<0.0010	<0.0030	
MW-8	9/21/2022	0.000462 J	<0.00100	<0.00100	<0.00300	
MW-8	9/27/2023	0.000164 J	<0.00100	<0.00100	<0.00300	
MW-8	9/24/2024	0.000568 J	<0.00100	<0.00100	<0.00300	
MW-9	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-9	3/7/2012	<0.001	<0.002	<0.002	<0.004	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-9	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-9	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-9	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-9	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-9	Removed in 1H14					
MW-10	9/14/2011	**0.0202**	<0.002	0.0041	0.0044	
MW-10	3/8/2012	0.0078	<0.002	0.00086	<0.004	
MW-10	9/6/2012	**0.0102**	<0.002	0.0012	<0.003	
MW-10	2/20/2013	0.0044	<0.002	<0.002	<0.003	
MW-10	9/12/2013	0.0049	<0.002	<0.002	<0.003	
MW-10	2/27/2014	0.0046	<0.002	0.00026 J	<0.003	
MW-10	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-10	2/26/2015	<0.005	<0.005	<0.005	<0.015	
MW-10	9/2/2015	<0.005	<0.005	<0.005	<0.015	
MW-10	3/22/2016	<0.0050	<0.0050	<0.0050	<0.015	
MW-10	9/27/2016	<0.0010	<0.0010	<0.0010	<0.003	
MW-10	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-10	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	6/10/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-11	9/14/2011	**3.52**	<0.20	0.37	0.403	
MW-11	3/8/2012	**2.01**	<0.20	0.17	<0.40	
MW-11	9/6/2012	**1.85**	<0.05	0.139	0.0774	
MW-11	2/20/2013	**2.04**	<0.05	0.102	<0.075	
MW-11	9/12/2013	**2.41**	<0.040	0.113	0.0635	
MW-11	2/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	
MW-11	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-11	2/26/2015	**0.84**	<0.005	0.33	0.52	
MW-11	9/2/2015	**0.67**	<0.005	0.27	0.37	
MW-11	3/22/2016	**0.78**	<0.0050	0.16	0.23	
MW-11	9/27/2016	**0.45**	0.0013	<0.0010	0.18	
MW-11	3/8/2017	**0.77**	0.0018	0.14	0.16	
MW-11	9/27/2017	**0.730**	0.000862 J	0.203	0.251	Duplicate #3 sample collected
MW-11 (Duplicate)	9/27/2017	**0.599**	0.000805 J	0.217	0.226	
MW-11	9/13/2018	**0.321**	<0.0100	0.0865	0.0606	Duplicate A sample collected
MW-11 (Duplicate)	9/13/2018	**0.329**	0.000705 J	0.115	0.0844	
MW-11	6/11/2019	**0.286**	0.00479 J	0.0574	0.0288 J	Duplicate A sample collected
MW-11 (Duplicate)	6/11/2019	**0.305**	0.000457 J	0.0511	0.0233	
MW-11	6/10/2020	**0.0976**	0.000482 J	0.0312	0.0184	Duplicate A sample collected
MW-11 (Duplicate)	6/10/2020	**0.0981**	0.000692J	0.0321	0.0192	
MW-11	6/17/2021	**0.0130**	<0.0010	0.0124	0.00563 J	Duplicate A sample collected
MW-11 (Duplicate)	6/17/2021	**0.0129**	<0.0010	0.0102	0.00179 J	
MW-11	9/21/2022	**0.00515**	0.00241	0.00255	0.00112 J	Duplicate A sample collected
MW-11 (Duplicate)	9/21/2022	0.00374	0.000308 J	0.00232	0.000968 J	
MW-11	9/27/2023	0.0018	<0.00100	0.00104	0.00094 J	Duplicate 2 sample collected
MW-11 (Duplicate)	9/27/2023	0.0022	<0.00100	0.000798 J	0.000773 J	
MW-11	9/24/2024	0.00343	0.000371 J	0.000939 J	0.000640 J	
MW-12	9/14/2011	**9.51**	<0.20	0.307	<0.40	
MW-12	3/8/2012	**17.0**	<0.20	0.71	<0.40	
MW-12	9/6/2012	**7.12**	<0.20	0.337	<0.30	
MW-12	2/20/2013	**3.10**	<0.10	0.187	<0.15	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-12	9/12/2013	**3.29**	<0.10	0.235	<0.15	Duplicate A sample collected
MW-12	2/27/2014	**1.02**	<0.10	0.126	<0.15	Duplicate C sample collected
MW-12 (duplicate)	2/27/2014	**1.25**	<0.002	0.18	0.0133	
MW-12	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-12	2/25/2015	**3.50**	<0.005	0.24	0.089	Duplicate C Sample Collected
MW-12 (Duplicate)	2/25/2015	**3.40**	<0.005	0.23	0.1	
MW-12	9/2/2015	**3.80**	<0.005	0.23	0.02	Duplicate B Sample Collected
MW-12 (Duplicate)	9/2/2015	**5.70**	<0.005	0.21	0.02	
MW-12	3/22/2016	**3.90**	<0.0050	0.2	<0.015	Duplicate B Sample Collected
MW-12 (Duplicate)	3/22/2016	**4.10**	<0.0050	0.21	<0.015	
MW-12	9/27/2016	**3.90**	<0.0010	0.17	0.013	Duplicate B Sample Collected
MW-12 (Duplicate)	9/27/2016	**3.10**	<0.0010	0.16	<0.030	
MW-12	3/8/2017	**4.70**	<0.0050	0.25	0.012	
MW-12	9/27/2017	**5.81**	<0.0010	0.206	0.00542	
MW-12	9/14/2018	**3.54**	<0.050	0.168	<0.150	
MW-12	6/11/2019	**2.51**	<0.050	0.289	<0.150	
MW-12	6/10/2020	**0.199**	<0.0010	0.119	0.000692 J	
MW-12	6/17/2021	0.0099	<0.0010	0.00173	0.000223 J	
MW-12	9/21/2022	0.000299 J	<0.00100	<0.00100	<0.00300	
MW-12	9/27/2023	0.000122 J	<0.00100	<0.00100	<0.00300	
MW-12	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-13	9/24/2014	Well Not on Sampling Plan				
MW-14	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-14	3/8/2012	<0.001	<0.002	<0.002	<0.004	
MW-14	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-14	2/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-14	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-14	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-14	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-14	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-14	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-14	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-14	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-14	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-14	6/10/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-14	6/11/2020	**3.65**	**18.9**	**3.71**	**10.8**	
MW-14	6/17/2021	LNAPL				LNAPL - 0.02 ft
MW-14	9/21/2022	**0.0112**	0.00154	0.00222	0.00564	
MW-14	9/27/2023	NS - LNAPL				NM
MW-14	9/24/2024	NS - LNAPL				LNAPL
MW-15	9/24/2014	Well Not on Sampling Plan				
MW-16	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-16	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-16	Removed in 2H13					
MW-16	3/12/2018	Plugged and Abandoned				
MW-17	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-17	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-17	9/7/2012	NS	NS	NS	NS	
MW-17	2/22/2013	<0.001	<0.002	<0.002	<0.003	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-17	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-17	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-17	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-17	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-17	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-17	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-17	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-17	3/12/2018	Plugged and Abandoned				
MW-18	9/14/2011	0.0019	<0.002	0.0053	0.0073	
MW-18	3/8/2012	0.00038	<0.002	0.0012	<0.004	
MW-18	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-18	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-18	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-18	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-18	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-18	2/26/2015	<0.001	<0.001	0.0019	<0.003	
MW-18	9/3/2015	<0.001	<0.001	<0.001	0.0031	
MW-18	3/22/2016	<0.0010	<0.0010	0.0029	0.0042	
MW-18	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-18	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	6/10/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-18	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-19	9/7/2012	0.00032	<0.002	<0.002	<0.003	
MW-19	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-19	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-19	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-19	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-19	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-19	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	6/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-19	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	9/7/2012	NS	NS	NS	NS	
MW-20	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-20	9/13/2013	NS	NS	NS	NS	
MW-20	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-20	9/24/2014	Well Not Sampled due to Inclement Weather				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-20	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-20	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-20	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-20	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	6/10/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-20	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-21	2/27/2014	0.00059 J	<0.002	0.00072 J	<0.003	
MW-21	9/24/2014	Well Not on Sampling Plan				
MW-22	9/14/2011	NS	NS	NS	NS	
MW-22	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-22	2/19/2013	NS	NS	NS	NS	
MW-22	9/13/2013	NS	NS	NS	NS	
MW-22	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-22	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-22	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-22	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-22	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-22	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	6/12/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	6/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	9/22/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	9/26/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-22	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-23	9/14/2011	**0.0588**	<0.004	0.121	<0.008	Duplicate B sample collected
MW-23	3/8/2012	**0.0505**	<0.002	0.127	0.0034	
MW-23	9/6/2012	**0.0290**	<0.002	0.094	0.0032	
MW-23	2/19/2013	**0.0509**	<0.002	0.0698	0.0024	
MW-23	9/12/2013	**0.0418**	<0.002	0.0392	<0.003	
MW-23	2/26/2014	**0.0382**	<0.002	0.0208	<0.003	
MW-23	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-23	2/25/2015	0.0061	<0.005	<0.005	<0.015	Duplicate B Sample Collected
MW-23 (Duplicate)	2/25/2015	<0.005	<0.005	<0.005	<0.015	
MW-23	9/2/2015	<0.005	<0.005	<0.005	<0.015	Duplicate C Sample Collected
MW-23 (Duplicate)	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-23	3/22/2016	<0.0050	<0.0050	<0.0050	<0.015	Duplicate C Sample Collected
MW-23 (Duplicate)	3/22/2016	**3.90**	<0.0050	0.21	<0.015	
MW-23	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	Duplicate C Sample Collected
MW-23 (Duplicate)	9/27/2016	<0.0050	<0.0050	0.011	<0.015	
MW-23	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-23	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-23	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-23	6/10/2019	LNAPL				
MW-23	6/11/2020	**54.4**	**606**	**127**	**436**	
MW-23	6/17/2021	**1.60**	0.182	0.660	0.436	
MW-23	9/22/2022	**0.49**	0.0102 J	0.304	0.279	
MW-23	9/26/2023	**0.149**	0.0283	0.252	0.150	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-23	9/25/2024	**0.0132**	0.00301 J	0.217	0.164	Collect Duplicate 2
MW-23 (Duplicate 2)	9/25/2024	**0.0163**	<0.00100	0.216	0.104	
MW-24	9/14/2011	0.00051	<0.002	<0.002	<0.004	
MW-24	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-24	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-24	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-24	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-24	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-24	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-24	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-24	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-24	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-24	9/13/2018	Well Not on Sampling Plan				
MW-25	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-25	9/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	2/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-25	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-25	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-25	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-25	3/22/2016	0.0019	0.0081	0.0011	0.0082	
MW-25	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-25	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-25	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	6/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	9/22/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	9/26/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-25	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-26	9/14/2011	NS	NS	NS	NS	
MW-26	3/8/2012	NS	NS	NS	NS	
MW-26	9/7/2012	NS	NS	NS	NS	
MW-26	2/19/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-26	9/12/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-26	2/26/2014	LNAPL	LNAPL	LNAPL	LNAPL	
MW-26	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-26	2/25/2015	**16.0**	**29.0**	**0.750**	**2.40**	
MW-26	9/2/2015	**12.0**	**15.0**	0.470	**1.50**	
MW-26	3/22/2016	**1.40**	**1.40**	0.110	0.39	
MW-26	9/27/2016	**3.50**	**15.0**	0.510	**2.90**	
MW-26	3/8/2017	**6.00**	**10.0**	0.410	**1.70**	Duplicate #1 sample collected
MW-26 (Duplicate)	3/8/2017	**7.90**	**12.0**	0.400	**1.70**	
MW-26	9/27/2017	**6.99**	**21.7**	0.625	**2.98**	
MW-26	9/14/2018	**0.359**	0.148	0.0175	0.0347	
MW-26	6/12/2019	**1.84**	0.914	0.0681	0.175	
MW-26	6/11/2020	**5.05**	**1.87**	**0.146**	**0.334**	
MW-26	6/17/2021	**0.104**	0.0309	0.00852	0.0235	
MW-26	9/21/2022	LNAPL				LNAPL - 0.09 ft
MW-26	9/26/2023	**0.239**	0.116	0.148	0.572	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-26	9/25/2024	**0.0297**	0.0189	0.00304 J	0.0654	Collect Duplicate 1
MW-26 (Duplicate 1)	9/25/2024	**0.0563**	0.027	0.00640	0.0795	
MW-27	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-27	2/25/2015	LNAPL				
MW-27	9/2/2015	LNAPL				
MW-27	3/22/2016	LNAPL				
MW-27	9/27/2016	LNAPL				
MW-27	3/8/2017	LNAPL				
MW-27	9/27/2017	LNAPL				
MW-27	9/13/2017	LNAPL				
MW-27	6/10/2019	LNAPL				
MW-27	6/11/2020	**0.554**	0.624	0.424	**1.07**	
MW-27	6/17/2021	LNAPL				LNAPL - 0.49 ft
MW-27	9/21/2022	LNAPL				LNAPL - 0.45 ft
MW-27	9/27/2023	NS - LNAPL				LNAPL - 0.44 ft
MW-27	9/24/2024	NS - LNAPL				LNAPL - 0.43 ft
MW-28	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-28	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-28	9/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-28	2/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-28	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-28	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-28	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-28	Removed 1H15					
MW-29	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-29	3/7/2012	0.00028	<0.002	<0.002	<0.004	
MW-29	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-29	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-29	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-29	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-29	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-29	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-29	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-29	3/22/2016	<0.0010	0.0028	<0.0010	<0.0030	
MW-29	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-29	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-29	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-29	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-29	6/12/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-29	6/11/2020	0.000108 J	<0.0010	<0.0010	<0.0030	
MW-29	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-29	9/22/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-29	9/26/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-29	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-30	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-30	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-30	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-30	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-30	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-30	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-30	Removed in 1H14					
MW-31	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-31	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-31	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-31	2/20/2013	<0.001	<0.002	<0.002	<0.003	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-31	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-31	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-31	Removed in 1H14					
House Well	9/14/2011	0.0088	<0.002	0.00074	<0.004	Duplicate C sample collected
House Well	3/6/2012	0.00044	<0.002	<0.002	<0.004	
House Well	9/6/2012	<0.001	<0.002	<0.002	<0.003	
House Well	2/21/2013	<0.001	<0.002	<0.002	<0.003	
House Well	9/12/2013	0.00027	<0.002	<0.002	<0.003	
House Well	2/27/2014	<0.001	<0.002	<0.002	<0.003	
House Well	9/24/2014	Well Not Sampled due to Inclement Weather				
House Well	2/26/2015	<0.001	<0.001	<0.001	<0.003	
House Well	9/3/2015	<0.001	<0.001	<0.001	<0.003	
House Well	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
House Well	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
House Well	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
House Well	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
House Well	3/12/2018	Plugged and Abandoned				
Irrigation Well	9/14/2011	0.0049	<0.002	0.0167	0.0236	
Irrigation Well	3/6/2012	0.0017	<0.002	0.0108	0.0158	Duplicate A sample collected
Irrigation Well	9/6/2012	0.0048	<0.002	0.015	0.0114	Duplicate A sample collected
Irrigation Well	2/21/2013	0.0027	<0.002	0.0117	0.0116	
Irrigation Well	9/12/2013	0.0027	<0.002	0.0057	<0.003	Duplicate C sample collected
Irrigation Well	2/27/2014	0.0033	<0.002	0.0149	0.0029 J	
Irrigation Well	9/25/2014	0.0025	<0.001	0.0077	0.0014	Duplicate B Sample Collected
Irrigation Well (Duplicate)	9/25/2014	0.0014	<0.001	0.0031	0.00097 J	
Irrigation Well	2/26/2015	<0.001	<0.001	<0.001	<0.003	
Irrigation Well	9/2/2015	0.0022	<0.001	0.0089	0.0036	
Irrigation Well	3/23/2016	NS	NS	NS	NS	
Irrigation Well	9/27/2016	<0.005	<0.005	<0.005	<0.015	
Irrigation Well	3/8/2017	<0.00100	<0.00100	0.0021	0.0026	
Irrigation Well	9/27/2017	0.000482 J	<0.0010	0.00241	0.00227 J	
Irrigation Well	9/13/2018	Well Not on Sampling Plan				
MW-A	9/14/2011	0.001	<0.002	0.0753	0.217	
MW-A	3/6/2012	0.00073	<0.002	0.081	0.222	
MW-A	9/7/2012	0.00087	<0.002	0.076	0.206	
MW-A	2/21/2013	0.00077	<0.002	0.0713	0.189	Duplicate A sample collected
MW-A	9/13/2013	<0.0010	<0.002	0.0732	0.179	
MW-A	2/27/2014	0.00029 J	<0.002	0.0636	0.151	
MW-A	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-A	2/26/2015	<0.001	<0.001	0.05	0.13	
MW-A	9/2/2015	<0.001	<0.001	0.042	0.1	
MW-A	3/23/2016	<0.0010	<0.0010	0.044	0.097	
MW-A	9/27/2017	<0.0050	<0.0050	0.035	0.075	
MW-A	3/8/2017	<0.00100	<0.00100	<0.00100	0.0063	
MW-A	9/27/2017	<0.00100	<0.00100	0.0299	0.0536	
MW-A	9/13/2018	Well Not on Sampling Plan				
MW-E	9/14/2011	0.0043	<0.002	0.00097	<0.004	
MW-E	3/7/2012	0.0025	<0.002	<0.002	<0.004	
MW-E	9/7/2012	0.0018	<0.002	<0.002	<0.003	
MW-E	2/21/2013	0.0027	<0.002	<0.002	<0.003	
MW-E	9/13/2013	0.0015	<0.002	<0.002	<0.003	
MW-E	2/27/2014	0.0016	<0.002	<0.002	<0.003	
MW-E	9/25/2014	0.0067	<0.001	0.0027	0.0151	
MW-E	2/26/2015	0.0038	<0.001	<0.001	<0.003	
MW-E	9/3/2015	0.0084	<0.001	<0.001	<0.003	
MW-E	3/22/2016	0.0012	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-E	9/27/2017	0.0088	<0.0010	<0.0010	<0.0030	
MW-E	3/8/2017	0.0016	<0.0010	<0.0010	<0.0010	
MW-E	9/27/2017	0.00197	<0.0010	<0.0010	<0.0030	
MW-E	9/13/2018	0.000890 J	<0.0010	<0.0010	<0.0030	
MW-E	6/11/2019	0.000515 J	<0.0010	<0.0010	<0.0030	
MW-E	6/10/2020	0.000113 J	<0.0010	<0.0010	<0.0030	
MW-E	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-E	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-E	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	Duplicate 3 sample collected
MW-E (Duplicate)	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-E	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-F	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-F	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-F	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-F	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-F	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-F	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-F	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-F	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-F	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-F	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-F	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	6/10/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-F	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	9/14/2011	0.00082	<0.002	<0.002	<0.004	
MW-I	3/6/2012	0.00068	<0.002	<0.002	<0.004	
MW-I	9/6/2012	0.00043	<0.002	<0.002	<0.003	
MW-I	2/21/2013	0.00035	<0.002	<0.002	<0.003	
MW-I	9/13/2013	0.00028	<0.002	<0.002	<0.003	
MW-I	2/27/2014	0.00033 J	<0.002	<0.002	<0.003	
MW-I	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-I	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-I	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-I	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-I	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	6/11/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	6/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-I	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-J	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-J	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-J	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-J	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-J	9/13/2013	<0.001	<0.002	<0.002	<0.003	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-J	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-J	Removed in 2H13					
MW-M	9/14/2011	**8.53**	<0.20	0.347	0.214	
MW-M	3/8/2012	**3.72**	<0.20	0.296	<0.40	
MW-M	9/6/2012	**1.27**	<0.10	0.188	0.107	
MW-M	2/20/2013	**0.647**	<0.02	0.192	0.087	
MW-M	9/12/2013	**0.313**	<0.01	0.184	0.0417	
MW-M	2/27/2014	**0.205**	<0.01	0.171	0.0271	
MW-M	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-M	2/25/2015	**7.50**	**2.20**	0.37	**0.800**	
MW-M	9/2/2015	**6.60**	**0.13**	0.4	0.24	
MW-M	3/22/2016	**5.30**	0.012	0.45	0.084	
MW-M	9/27/2016	**2.80**	<0.010	0.39	<0.03	
MW-M	3/8/2017	**3.00**	0.031	0.4	0.027	
MW-M	9/27/2017	**2.48**	0.000593 J	0.438	0.0143	
MW-M	9/14/2018	**1.08**	<0.050	0.293	<0.150	
MW-M	6/11/2019	**0.176**	<0.050	0.236	<0.150	
MW-M	6/11/2020	**0.0247**	<0.00100	0.106	<0.0030	
MW-M	6/17/2021	0.00513	<0.00100	0.0198	0.000351 J	
MW-M	9/21/2022	0.000332 J	<0.00100	0.000997 J	<0.00300	
MW-M	9/27/2023	0.00011 J	<0.00100	0.00300	0.000619 J	
MW-M	9/24/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-N	9/14/2011	**15.0**	**0.982**	0.315	0.38	
MW-N	3/8/2012	**15.4**	**2.21**	0.417	0.414	
MW-N	9/6/2012	**13.7**	**3.47**	0.603	**2.00**	
MW-N	2/20/2013	**14.9**	0.173	0.282	0.0714	Duplicate B sample collected
MW-N	9/12/2013	LNAPL				
MW-N	2/27/2014	LNAPL				
MW-N	9/24/2014	**15.4**	**4.18**	0.637	**1.50**	
MW-N	2/25/2015	LNAPL				
MW-N	9/2/2015	**4.6**	**0.81**	0.49	**0.94**	
MW-N	3/22/2016	**5.5**	**0.95**	0.46	**0.78**	
MW-N	9/27/2017	LNAPL				
MW-N	3/8/2017	LNAPL				
MW-N	9/27/2017	LNAPL				
MW-N	9/13/2018	LNAPL				
MW-N	6/12/2019	**5.21**	<0.100	0.442	**1.06**	
MW-N	6/11/2020	**4.74**	0.0809	0.602	**1.41**	
MW-N	6/17/2021	LNAPL				LNAPL- 0.45 ft
MW-N	9/21/2022	LNAPL				LNAPL - 0.36 ft
MW-N	9/26/2023	**0.184**	<0.00100	0.0015	0.00109 J	
MW-N	9/25/2024	**0.194**	<0.00100	0.00323	0.00301	Collect Duplicate 3
MW-N (Duplicate 3)	9/25/2024	**0.146**	<0.00100	0.00204 J	0.00182 J	
MW-O	9/14/2011	**6.93**	0.0022	0.244	<0.004	
MW-O	3/8/2012	**7.61**	<0.20	0.195	<0.40	
MW-O	9/6/2012	**8.04**	<0.10	0.185	<0.15	
MW-O	2/20/2013	**10.5**	<0.10	0.131	<0.15	
MW-O	9/12/2013	**8.27**	<0.20	0.121	<0.30	
MW-O	2/27/2014	**8.72**	<0.10	0.0685 J	<0.15	Duplicate B sample collected
MW-O (duplicate)	2/27/2014	**8.86**	<0.01	0.0861	<0.015	
MW-O	9/24/2014	**5.41**	<0.05	0.0514	<0.05	
MW-O	2/25/2015	**2.50**	<0.005	0.14	0.018	
MW-O	9/2/2015	**3.00**	<0.005	0.15	<0.015	
MW-O	3/22/2016	**2.40**	<0.0050	0.17	<0.015	
MW-O	9/27/2017	**2.40**	<0.0050	0.088	<0.015	
MW-O	3/8/2017	**1.90**	<0.0050	0.064	<0.0050	Duplicate #2 sample collected

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-O (Duplicate)	3/8/2017	**1.60**	<0.0100	0.099	<0.010	
MW-O	9/27/2017	**1.50**	<0.0500	0.0724	0.00152	
MW-O	9/14/2018	**1.26**	<0.050	<0.050	<0.150	
MW-O	6/12/2019	**1.41**	<0.050	0.0263 J	<0.150	
MW-O	6/11/2020	**0.865**	<0.0010	0.00172	0.00276 J	
MW-O	6/17/2021	**0.0170**	<0.010	<0.010	<0.030	
MW-O	9/21/2022	0.000289 J	<0.00100	<0.00100	<0.00300	
MW-O	9/26/2023	0.00125	<0.00100	<0.00100	<0.00300	
MW-O	9/25/2024	0.0014	<0.00100	<0.00100	<0.00300	
MW-Q	9/14/2011	**0.896**	<0.002	0.0108	<0.004	
MW-Q	3/8/2012	**0.814**	<0.02	<0.02	<0.04	
MW-Q	9/6/2012	**0.738**	<0.002	0.0062	<0.003	
MW-Q	2/20/2013	**0.75**	<0.01	0.0017	<0.015	
MW-Q	9/12/2013	**0.53**	<0.01	0.0015	<0.015	
MW-Q	2/27/2014	**0.0707**	<0.002	0.00097 J	<0.003	
MW-Q	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-Q	2/25/2015	0.0024	<0.001	<0.001	<0.003	
MW-Q	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-Q	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-Q	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-Q	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-Q	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	6/12/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	6/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-Q	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-S	3/8/2012	<0.001	<0.002	<0.002	<0.004	
MW-S	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-S	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-S	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-S	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-S	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-S	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-S	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-S	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-S	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	6/12/2019	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	6/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-S	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-CC	9/14/2011	LNAPL				
MW-CC	3/8/2012	LNAPL				
MW-CC	9/6/2012	LNAPL				
MW-CC	2/19/2013	LNAPL				
MW-CC	9/13/2013	LNAPL				
MW-CC	2/27/2014	LNAPL				
MW-CC	9/24/2014	LNAPL				
MW-CC	2/25/2015	LNAPL				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-CC	9/2/2015	LNAPL				
MW-CC	3/22/2016	LNAPL				
MW-CC	9/27/2016	LNAPL				
MW-CC	3/8/2017	LNAPL				
MW-CC	9/27/2017	LNAPL				
MW-CC	9/13/2018	LNAPL				
MW-CC	6/10/2019	LNAPL				
MW-CC	6/11/2020	**1.13 J**	**2.85**	**0.741 J**	**2.05 J**	
MW-CC	6/17/2021	LNAPL				LNAPL- 0.47 ft
MW-CC	9/21/2022	LNAPL				LNAPL - 0.45 ft
MW-CC	9/27/2023	NS - LNAPL				LNAPL - 0.47 ft
MW-CC	9/24/2024	NS - LNAPL				LNAPL - 0.41 ft
MW-EE	9/14/2011	**0.447**	<0.002	0.0089	0.0041	Duplicate A sample collected
MW-EE	3/8/2012	**0.0735**	<0.002	0.0011	<0.004	
MW-EE	9/6/2012	**0.0964**	<0.002	0.0011	<0.003	
MW-EE	2/19/2013	**0.424**	<0.002	0.0024	0.0022	
MW-EE	9/12/2013	**1.11**	<0.01	0.0021	<0.015	
MW-EE	2/26/2014	**1.21**	<0.02	<0.02	<0.03	Duplicate A sample collected
MW-EE (duplicate)	2/26/2014	**1.43**	<0.05	<0.05	<0.075	
MW-EE	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-EE	2/25/2015	**0.21**	<0.005	<0.005	<0.015	
MW-EE	9/2/2015	**0.12**	<0.001	<0.001	<0.003	
MW-EE	3/22/2016	**0.37**	<0.0010	<0.0010	<0.0030	
MW-EE	9/27/2016	**0.041**	<0.0010	<0.0010	<0.0030	
MW-EE	3/8/2017	**0.02**	<0.0010	<0.0010	<0.0010	
MW-EE	9/27/2017	**0.0148**	<0.0010	<0.0010	<0.0030	Duplicate #1 sample collected
MW-EE (Duplicate)	9/27/2017	**0.0122**	<0.0010	<0.0010	<0.0030	
MW-EE	9/14/2018	**0.0167**	<0.0010	<0.0010	<0.0030	Duplicate C sample collected
MW-EE (Duplicate)	9/14/2018	**0.0139**	<0.0010	<0.0010	<0.0030	
MW-EE	6/11/2019	**0.0318**	0.00228	<0.0010	<0.0030	Duplicate B sample collected
MW-EE (Duplicate)	6/11/2019	**0.0245**	0.00224	<0.0010	<0.0030	
MW-EE	6/11/2020	**0.0181**	<0.0010	<0.0010	<0.0030	Duplicate B sample collected
MW-EE (Duplicate)	6/11/2020	**0.0267**	<0.0010	<0.0010	<0.0030	
MW-EE	6/17/2021	**0.0233**	<0.0010	0.000223 J	<0.0030	Duplicate B sample collected
MW-EE (Duplicate)	6/17/2021	**0.021**	<0.0010	0.000194 J	<0.0030	
MW-EE	9/22/2022	0.00119	<0.00100	<0.00100	<0.00300	Duplicate B sample collected
MW-EE (Duplicate)	9/22/2022	0.0000978 J	<0.00100	<0.00100	<0.00300	
MW-EE	9/26/2023	0.00219	<0.00100	<0.00100	<0.00300	Duplicate 1 sample collected
MW-EE (Duplicate)	9/26/2023	0.00261	<0.00100	<0.00100	<0.00300	
MW-EE	9/26/2023	0.000118 J	<0.00100	<0.00100	<0.00300	
MW-LL	9/14/2011	**1.23**	0.0066	0.0531	0.0202	
MW-LL	3/8/2012	**1.42**	<0.02	0.0642	<0.04	
MW-LL	9/6/2012	**0.523**	<0.002	0.0261	0.0024	
MW-LL	2/20/2013	**0.778**	<0.01	0.0482	<0.015	
MW-LL	9/12/2013	**0.403**	<0.01	0.0237	<0.015	
MW-LL	2/27/2014	**0.491**	<0.01	0.0214	<0.015	
MW-LL	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-LL	2/25/2015	**0.59**	0.24	0.11	0.21	
MW-LL	9/2/2015	**0.53**	0.034	0.11	0.15	
MW-LL	3/22/2016	**0.35**	<0.0050	0.076	0.066	
MW-LL	9/27/2016	**0.37**	0.13	0.058	0.076	
MW-LL	3/8/2017	**0.29**	<0.0050	0.089	0.067	Duplicate #3 sample collected
MW-LL (Duplicate)	3/8/2017	**0.3**	0.002	0.086	0.066	
MW-LL	9/27/2017	**0.235**	0.0135	0.0892	0.932	Duplicate #2 sample collected
MW-LL (Duplicate)	9/27/2017	**0.309**	0.0158	0.0942	0.0986	
MW-LL	9/14/2018	**0.232**	<0.0050	0.0551	<0.0150	Duplicate B sample collected
MW-LL (Duplicate)	9/14/2018	**0.172**	0.000458 J	0.0597	0.00408	
MW-LL	6/11/2019	**0.159**	<0.0050	0.0421	<0.0150	Duplicate C sample collected

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
MW-LL (Duplicate)	6/11/2019	**0.162**	0.000563 J	0.0438	0.00206 J	
MW-LL	6/11/2020	**0.0476**	<0.0010	0.00825	0.000255 J	Duplicate C sample collected
MW-LL (Duplicate)	6/11/2020	**0.033**	<0.0010	0.0051	<0.00300	
MW-LL	6/17/2021	**0.0191**	<0.0010	0.000365 J	0.000564 J	Duplicate C sample collected
MW-LL (Duplicate)	6/17/2021	**0.0217**	<0.0010	0.000403 J	0.000488 J	
MW-LL	9/22/2022	**0.104**	0.0333	0.164	0.310	Duplicate C sample collected
MW-LL (Duplicate)	9/22/2022	**0.125**	0.0346	0.230	0.415	
MW-LL	9/27/2023	NS - LNAPL				LNAPL - 0.47 ft
MW-LL	9/24/2024	NS - LNAPL				LNAPL - 0.47 ft
MW-MM	9/14/2011	0.0082	<0.002	0.022	<0.004	
MW-MM	3/8/2012	0.0032	<0.002	0.0053	<0.004	
MW-MM	9/6/2012	0.002	<0.002	0.0041	<0.003	
MW-MM	2/19/2013	0.0015	<0.002	0.00083	<0.003	
MW-MM	9/12/2013	0.00088	<0.002	<0.002	<0.003	
MW-MM	2/26/2014	0.00051 J	<0.002	<0.002	<0.003	
MW-MM	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-MM	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-MM	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-MM	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-MM	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-MM	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
MW-MM	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
MW-MM	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
MW-MM	6/10/2019	**0.0713**	<0.0010	0.000511 J	<0.0030	
MW-MM	6/11/2020	0.00362	<0.0010	<0.0010	<0.0030	
MW-MM	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
MW-MM	9/22/2022	0.000107 J	<0.00100	<0.00100	<0.00300	
MW-MM	9/26/2023	0.000113 J	<0.00100	<0.00100	<0.00300	
MW-MM	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-2	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-2	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-2	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	2/20/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-2	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-2	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-2	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-2	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-2	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-2	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-2	3/9/2018	Plugged and Abandoned				
NMG-MW-3	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-3	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-3	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	2/20/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-3	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-3	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-3	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-3	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-3	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
NMG-MW-3	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-3	3/9/2018	Plugged and Abandoned				
NMG-MW-4	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-4	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-4	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-4	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-4	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-4	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-4	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-4	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-4	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-4	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-4	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-4	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-4	3/9/2018	Plugged and Abandoned				
NMG-MW-5	9/14/2011	**0.0375**	<0.004	0.135	<0.008	
NMG-MW-5	3/7/2012	0.0039	<0.002	0.229	<0.004	
NMG-MW-5	9/5/2012	0.00083	<0.002	0.153	<0.003	
NMG-MW-5	2/19/2013	0.0012	<0.002	0.0608	<0.003	
NMG-MW-5	9/12/2013	0.0047	<0.002	0.0321	<0.003	
NMG-MW-5	2/26/2014	**0.0206**	<0.002	0.0034	<0.003	
NMG-MW-5	9/24/2014	**0.0542**	<0.001	0.00034 J	0.0016	
NMG-MW-5	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-5	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-5	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-5	9/27/2016	DRY				
NMG-MW-5	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-5	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-5	9/13/2018	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-5	6/10/2019	0.00234	<0.0010	<0.0010	0.00123 J	
NMG-MW-5	6/11/2020	**0.0138**	<0.0010	0.00732	0.00486	
NMG-MW-5	6/17/2021	**0.0122**	<0.0010	0.00117	0.011	
NMG-MW-5	9/22/2022	0.00189	<0.00100	0.00194	0.0107	
NMG-MW-5	9/26/2023	0.00176	0.014	0.00683	0.0305	
NMG-MW-5	9/25/2024	0.000353 J	0.00143	0.00249	0.0120	
NMG-MW-6	9/14/2011	0.0005	<0.002	0.0067	<0.004	
NMG-MW-6	3/7/2012	0.00062	<0.002	0.0011	<0.004	
NMG-MW-6	9/5/2012	0.00038	<0.002	0.00066	<0.003	
NMG-MW-6	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-6	9/12/2013	<0.001	<0.002	0.00034	<0.003	
NMG-MW-6	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-6	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-6	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-6	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-6	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-6	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-6	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-6	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-6	3/9/2018	Plugged and Abandoned				
NMG-MW-7	9/14/2011	**0.0273**	<0.002	0.0154	0.013	
NMG-MW-7	3/7/2012	**0.0261**	<0.002	0.0144	0.0086	
NMG-MW-7	9/5/2012	**0.0188**	<0.002	0.0082	0.0043	
NMG-MW-7	2/20/2013	**0.0116**	<0.002	0.005	0.0032	
NMG-MW-7	9/12/2013	0.009	<0.002	0.0067	0.0023	
NMG-MW-7	2/26/2014	0.0059	<0.002	0.0055	<0.003	
NMG-MW-7	9/24/2014	0.0011	<0.001	0.00053 J	<0.001	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
NMG-MW-7	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-7	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-7	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-7	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-7	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-7	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-7	3/9/2018	Plugged and Abandoned				
NMG-MW-8	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-8	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-8	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	9/24/2014	0.0013	<0.001	0.0194	0.052	
NMG-MW-8	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-8	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-8	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-8	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-8	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-8	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-8	3/9/2018	Plugged and Abandoned				
NMG-MW-9	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-9	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-9	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	Removed in 2H13					
NMG-MW-10	9/14/2011	**0.282**	<0.010	0.105	0.155	
NMG-MW-10	3/7/2012	**0.219**	<0.002	0.085	0.0993	Duplicate B sample collected
NMG-MW-10	9/5/2012	**0.192**	<0.002	0.0836	0.0895	Duplicate B sample collected
NMG-MW-10	2/19/2013	**0.187**	<0.002	0.0805	0.0706	
NMG-MW-10	9/12/2013	**0.179**	<0.002	0.0809	0.0656	Duplicate B sample collected
NMG-MW-10	2/26/2014	**0.145**	<0.01	0.0582	0.0382	
NMG-MW-10	9/24/2014	**0.0621**	<0.001	0.0119	0.0229	Duplicate A Sample Collected
NMG-MW-10	9/24/2014	**0.0593**	<0.001	0.0114	0.0217	
NMG-MW-10	2/25/2015	0.0064	<0.001	<0.001	<0.003	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	2/25/2015	0.0052	<0.001	<0.001	<0.003	
NMG-MW-10	9/2/2015	**0.018**	<0.001	0.0034	0.0052	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	9/2/2015	**0.016**	<0.001	0.0029	0.0047	
NMG-MW-10	3/22/2016	**0.012**	<0.0010	0.0028	0.0055	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	3/22/2016	**0.013**	<0.0050	<0.0050	<0.015	
NMG-MW-10	9/27/2016	0.0071	<0.0010	<0.0010	<0.0030	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	9/27/2016	0.0075	<0.0050	<0.0050	<0.015	
NMG-MW-10	3/8/2017	0.0033	<0.0010	<0.0010	<0.0010	
NMG-MW-10	9/27/2017	0.00147	<0.0010	<0.0010	<0.0030	
NMG-MW-10	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-10	6/10/2019	0.000532 J	<0.0010	<0.0010	<0.0030	
NMG-MW-10	6/11/2020	0.000451 J	<0.0010	<0.0010	<0.0030	
NMG-MW-10	6/17/2021	0.000150 J	<0.0010	<0.0010	<0.0030	
NMG-MW-10	9/22/2022	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-10	9/26/2023	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-10	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-11	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-11	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-11	9/5/2012	<0.001	<0.002	<0.002	<0.003	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
NMG-MW-11	2/19/2013	<0.001	<0.002	<0.002	<0.003	Duplicate C sample collected
NMG-MW-11	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-11	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-11	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-11	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-11	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-11	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-11	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-11	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-11	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-11	9/13/2018	Well Not on Sampling Plan				
NMG-MW-12	9/14/2011	0.0013	<0.002	<0.002	<0.004	
NMG-MW-12	3/7/2012	0.0062	<0.002	<0.002	<0.004	
NMG-MW-12	9/5/2012	0.0012	<0.002	<0.002	<0.003	
NMG-MW-12	2/19/2013	0.0024	<0.002	<0.002	<0.003	
NMG-MW-12	9/12/2013	0.00087	<0.002	<0.002	<0.003	
NMG-MW-12	2/26/2014	0.00035 J	<0.002	<0.002	<0.003	
NMG-MW-12	9/24/2014	0.0017	<0.001	<0.001	<0.001	
NMG-MW-12	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-12	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-12	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-12	9/27/2016	Obstruction in well @ 17.97'				
NMG-MW-12	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-12	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-12	9/13/2018	Well Not on Sampling Plan				
NMG-MW-13	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-13	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-13	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-13	2/20/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-13	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-13	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-13	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-13	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-13	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-13	9/27/2016	Obstruction @ 16.35'				
NMG-MW-13	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
NMG-MW-13	9/27/2017	<0.00100	<0.00100	<0.00100	<0.00300	
NMG-MW-13	9/13/2018	Well Not on Sampling Plan				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	
Trip Blank	9/25/2014	<0.001	<0.001	<0.001	<0.001	
Trip Blank	9/2/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	2/25/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	9/2/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	9/2/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	2/25/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	9/2/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/8/2017	<0.00100	<0.00100	<0.00100	<0.0010	
Trip Blank	9/27/2017	NA	NA	NA	NA	Trip Blank not submitted
Trip Blank 1	9/14/2018	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank 2	9/14/2018	<0.00100	0.000505 J	<0.0010	<0.0030	
Trip Blank	6/12/2019	<0.00100	<0.00100	<0.00100	<0.0010	
Trip Blank	6/11/2020	NA	NA	NA	NA	
Trip Blank	6/17/2021	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/21/2022	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/27/2023	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/25/2024	<0.00100	<0.00100	<0.00100	<0.00300	

Notes:
Bold red values indicate an exceedance of the associated NMWQCC standard (Effective 7/1/2020) or, for chlorides, the secondary maximum contaminant level (SMCL) which has been established as a guideline in the National Secondary Drinking Water Regulations.
NMWQCC = New Mexico Water Quality Control Commission
LNAPL = Light Non-Aqueous Phase Liquid
J=A qualifier indicating an estimated value of a concentration above the laboratory's Method Detection Limit (MDL) but below the Reported Detection Limit (RDL).
NS = Not Sampled
NA=Not applicable
mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

- Pace Analytical Report #: L1660511

ANALYTICAL REPORT

October 11, 2024

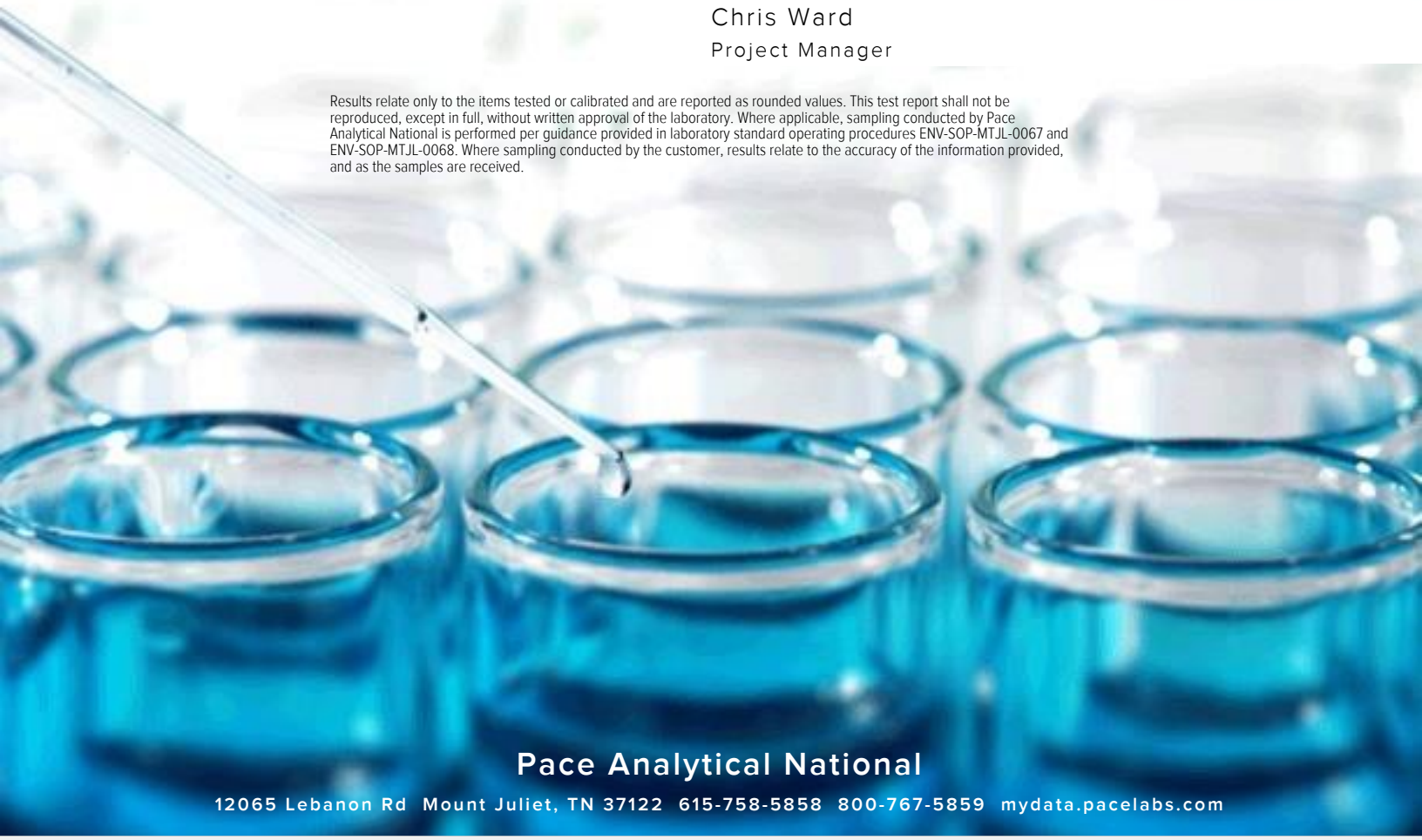
Phillips 66 - Tasman

Sample Delivery Group:	L1782207
Samples Received:	09/26/2024
Project Number:	390362060
Description:	Eldridge Pipeline Release

Report To: Brian Humphrey
6899 Pecos St., Unit C
Denver, CO 80221

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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

TABLE OF CONTENTS

MW-6 L1782207-01 GW

Collected by: Oscar G | Collected date/time: 09/24/24 12:58 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 20:58	09/30/24 20:58	KSD	Mt. Juliet, TN

MW-8 L1782207-02 GW

Collected by: Oscar G | Collected date/time: 09/24/24 11:47 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 21:20	09/30/24 21:20	KSD	Mt. Juliet, TN

MW-10 L1782207-03 GW

Collected by: Oscar G | Collected date/time: 09/24/24 13:10 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 21:42	09/30/24 21:42	KSD	Mt. Juliet, TN

MW-11 L1782207-04 GW

Collected by: Oscar G | Collected date/time: 09/24/24 11:37 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 22:05	09/30/24 22:05	KSD	Mt. Juliet, TN

MW-12 L1782207-05 GW

Collected by: Oscar G | Collected date/time: 09/24/24 11:27 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 22:27	09/30/24 22:27	KSD	Mt. Juliet, TN

MW-18 L1782207-06 GW

Collected by: Oscar G | Collected date/time: 09/24/24 12:14 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 22:48	09/30/24 22:48	KSD	Mt. Juliet, TN

MW-19 L1782207-07 GW

Collected by: Oscar G | Collected date/time: 09/24/24 12:45 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 23:10	09/30/24 23:10	KSD	Mt. Juliet, TN

MW-20 L1782207-08 GW

Collected by: Oscar G | Collected date/time: 09/24/24 10:55 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 23:32	09/30/24 23:32	KSD	Mt. Juliet, TN

MW-22 L1782207-09 GW

Collected by: Oscar G | Collected date/time: 09/25/24 11:55 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	09/30/24 23:55	09/30/24 23:55	KSD	Mt. Juliet, TN

MW-23 L1782207-10 GW

Collected by: Oscar G | Collected date/time: 09/25/24 11:01 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2375188	10	10/03/24 17:56	10/03/24 17:56	DYW	Mt. Juliet, TN

MW-25 L1782207-11 GW

Collected by: Oscar G | Collected date/time: 09/25/24 10:15 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 00:16	10/01/24 00:16	KSD	Mt. Juliet, TN

MW-26 L1782207-12 GW

Collected by: Oscar G | Collected date/time: 09/25/24 10:32 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2375188	5	10/03/24 18:14	10/03/24 18:14	DYW	Mt. Juliet, TN

MW-29 L1782207-13 GW

Collected by: Oscar G | Collected date/time: 09/25/24 11:35 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 00:39	10/01/24 00:39	KSD	Mt. Juliet, TN

MW-E L1782207-14 GW

Collected by: Oscar G | Collected date/time: 09/24/24 12:24 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 01:01	10/01/24 01:01	KSD	Mt. Juliet, TN

MW-F L1782207-15 GW

Collected by: Oscar G | Collected date/time: 09/24/24 12:33 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 01:23	10/01/24 01:23	KSD	Mt. Juliet, TN

MW-I L1782207-16 GW

Collected by: Oscar G | Collected date/time: 09/24/24 12:00 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 01:45	10/01/24 01:45	KSD	Mt. Juliet, TN

MW-M L1782207-17 GW

Collected by: Oscar G | Collected date/time: 09/24/24 11:09 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 02:06	10/01/24 02:06	KSD	Mt. Juliet, TN

MW-N L1782207-18 GW

Collected by: Oscar G | Collected date/time: 09/25/24 12:08 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 02:28	10/01/24 02:28	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2375188	10	10/03/24 18:33	10/03/24 18:33	DYW	Mt. Juliet, TN

MW-O L1782207-19 GW

Collected by: Oscar G | Collected date/time: 09/25/24 12:19 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 02:50	10/01/24 02:50	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2375188	1	10/03/24 17:37	10/03/24 17:37	DYW	Mt. Juliet, TN

MW-Q L1782207-20 GW

Collected by: Oscar G | Collected date/time: 09/25/24 12:30 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2372871	1	10/01/24 03:12	10/01/24 03:12	KSD	Mt. Juliet, TN

MW-S L1782207-21 GW

Collected by: Oscar G | Collected date/time: 09/25/24 12:41 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	1	10/01/24 23:54	10/01/24 23:54	JAH	Mt. Juliet, TN

MW-EE L1782207-22 GW

Collected by: Oscar G | Collected date/time: 09/25/24 10:49 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	1	10/02/24 00:17	10/02/24 00:17	JAH	Mt. Juliet, TN

MW-MM L1782207-23 GW

Collected by: Oscar G | Collected date/time: 09/25/24 11:14 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	1	10/02/24 00:37	10/02/24 00:37	JAH	Mt. Juliet, TN

NMG MW-5 L1782207-24 GW

Collected by: Oscar G | Collected date/time: 09/25/24 09:39 | Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	1	10/02/24 00:57	10/02/24 00:57	JAH	Mt. Juliet, TN

NMG MW-10 L1782207-25 GW

Collected by: Oscar G
Collected date/time: 09/25/24 10:03
Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	1	10/02/24 01:16	10/02/24 01:16	JAH	Mt. Juliet, TN

DUPLICATE 1 L1782207-26 GW

Collected by: Oscar G
Collected date/time: 09/25/24 00:00
Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	5	10/02/24 02:54	10/02/24 02:54	JAH	Mt. Juliet, TN

DUPLICATE 2 L1782207-27 GW

Collected by: Oscar G
Collected date/time: 09/25/24 00:00
Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2379217	10	10/09/24 21:39	10/09/24 21:39	KSD	Mt. Juliet, TN

DUPLICATE 3 L1782207-28 GW

Collected by: Oscar G
Collected date/time: 09/25/24 00:00
Received date/time: 09/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2373274	5	10/02/24 03:33	10/02/24 03:33	JAH	Mt. Juliet, TN

CASE NARRATIVE

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.

Chris Ward

Chris Ward
Project Manager

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/30/2024 20:58	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 20:58	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 20:58	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 20:58	WG2372871
(S) Toluene-d8	*94.7*			*80.0-120*		*09/30/2024 20:58*	WG2372871
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/30/2024 20:58*	WG2372871
(S) 1,2-Dichloroethane-d4	*70.5*			*70.0-130*		*09/30/2024 20:58*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000568	J	0.0000941	0.00100	1	09/30/2024 21:20	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 21:20	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 21:20	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 21:20	WG2372871
(S) Toluene-d8	*95.4*			*80.0-120*		*09/30/2024 21:20*	WG2372871
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*09/30/2024 21:20*	WG2372871
(S) 1,2-Dichloroethane-d4	*71.3*			*70.0-130*		*09/30/2024 21:20*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/30/2024 21:42	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 21:42	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 21:42	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 21:42	WG2372871
(S) Toluene-d8	*94.3*			*80.0-120*		*09/30/2024 21:42*	WG2372871
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*09/30/2024 21:42*	WG2372871
(S) 1,2-Dichloroethane-d4	*72.7*			*70.0-130*		*09/30/2024 21:42*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00343		0.0000941	0.00100	1	09/30/2024 22:05	WG2372871
Toluene	0.000371	J	0.000278	0.00100	1	09/30/2024 22:05	WG2372871
Ethylbenzene	0.000939	J	0.000137	0.00100	1	09/30/2024 22:05	WG2372871
Total Xylenes	0.000640	J	0.000174	0.00300	1	09/30/2024 22:05	WG2372871
(S) Toluene-d8	*99.6*			*80.0-120*		*09/30/2024 22:05*	WG2372871
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*09/30/2024 22:05*	WG2372871
(S) 1,2-Dichloroethane-d4	*70.8*			*70.0-130*		*09/30/2024 22:05*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/30/2024 22:27	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 22:27	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 22:27	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 22:27	WG2372871
(S) Toluene-d8	*97.4*			*80.0-120*		*09/30/2024 22:27*	WG2372871
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/30/2024 22:27*	WG2372871
(S) 1,2-Dichloroethane-d4	*71.8*			*70.0-130*		*09/30/2024 22:27*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/30/2024 22:48	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 22:48	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 22:48	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 22:48	WG2372871
(S) Toluene-d8	*95.9*			*80.0-120*		*09/30/2024 22:48*	WG2372871
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*09/30/2024 22:48*	WG2372871
(S) 1,2-Dichloroethane-d4	*73.1*			*70.0-130*		*09/30/2024 22:48*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/30/2024 23:10	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 23:10	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 23:10	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 23:10	WG2372871
(S) Toluene-d8	*96.4*			*80.0-120*		*09/30/2024 23:10*	WG2372871
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/30/2024 23:10*	WG2372871
(S) 1,2-Dichloroethane-d4	*69.8*	J2		*70.0-130*		*09/30/2024 23:10*	WG2372871

Sample Narrative:

L1782207-07 WG2372871: Surrogate failure due to matrix interference.

MW-20
Collected date/time: 09/24/24 10:55
L1782207

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/30/2024 23:32	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 23:32	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 23:32	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 23:32	WG2372871
(S) Toluene-d8	*96.8*			*80.0-120*		*09/30/2024 23:32*	WG2372871
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*09/30/2024 23:32*	WG2372871
(S) 1,2-Dichloroethane-d4	*70.0*			*70.0-130*		*09/30/2024 23:32*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/30/2024 23:55	WG2372871
Toluene	U		0.000278	0.00100	1	09/30/2024 23:55	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	09/30/2024 23:55	WG2372871
Total Xylenes	U		0.000174	0.00300	1	09/30/2024 23:55	WG2372871
(S) Toluene-d8	*95.8*			*80.0-120*		*09/30/2024 23:55*	WG2372871
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*09/30/2024 23:55*	WG2372871
(S) 1,2-Dichloroethane-d4	*72.4*			*70.0-130*		*09/30/2024 23:55*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0132		0.000941	0.0100	10	10/03/2024 17:56	WG2375188
Toluene	0.00301	J	0.00278	0.0100	10	10/03/2024 17:56	WG2375188
Ethylbenzene	0.217		0.00137	0.0100	10	10/03/2024 17:56	WG2375188
Total Xylenes	0.164		0.00174	0.0300	10	10/03/2024 17:56	WG2375188
(S) Toluene-d8	*96.2*			*80.0-120*		*10/03/2024 17:56*	WG2375188
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/03/2024 17:56*	WG2375188
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/03/2024 17:56*	WG2375188

MW-23
Collected date/time: 09/25/24 10:15

L1782207

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/01/2024 00:16	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 00:16	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 00:16	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 00:16	WG2372871
(S) Toluene-d8	*94.5*			*80.0-120*		*10/01/2024 00:16*	WG2372871
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/01/2024 00:16*	WG2372871
(S) 1,2-Dichloroethane-d4	*75.0*			*70.0-130*		*10/01/2024 00:16*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0297		0.000471	0.00500	5	10/03/2024 18:14	WG2375188
Toluene	0.0189		0.00139	0.00500	5	10/03/2024 18:14	WG2375188
Ethylbenzene	0.00304	J	0.000685	0.00500	5	10/03/2024 18:14	WG2375188
Total Xylenes	0.0654		0.000870	0.0150	5	10/03/2024 18:14	WG2375188
(S) Toluene-d8	*91.8*			*80.0-120*		*10/03/2024 18:14*	WG2375188
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/03/2024 18:14*	WG2375188
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/03/2024 18:14*	WG2375188

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/01/2024 00:39	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 00:39	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 00:39	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 00:39	WG2372871
(S) Toluene-d8	*96.0*			*80.0-120*		*10/01/2024 00:39*	WG2372871
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/01/2024 00:39*	WG2372871
(S) 1,2-Dichloroethane-d4	*75.1*			*70.0-130*		*10/01/2024 00:39*	WG2372871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/01/2024 01:01	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 01:01	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 01:01	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 01:01	WG2372871
(S) Toluene-d8	*96.6*			*80.0-120*		*10/01/2024 01:01*	WG2372871
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/01/2024 01:01*	WG2372871
(S) 1,2-Dichloroethane-d4	*73.1*			*70.0-130*		*10/01/2024 01:01*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/01/2024 01:23	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 01:23	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 01:23	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 01:23	WG2372871
(S) Toluene-d8	*94.9*			*80.0-120*		*10/01/2024 01:23*	WG2372871
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/01/2024 01:23*	WG2372871
(S) 1,2-Dichloroethane-d4	*75.3*			*70.0-130*		*10/01/2024 01:23*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/01/2024 01:45	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 01:45	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 01:45	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 01:45	WG2372871
(S) Toluene-d8	*95.3*			*80.0-120*		*10/01/2024 01:45*	WG2372871
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/01/2024 01:45*	WG2372871
(S) 1,2-Dichloroethane-d4	*73.4*			*70.0-130*		*10/01/2024 01:45*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/01/2024 02:06	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 02:06	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 02:06	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 02:06	WG2372871
(S) Toluene-d8	*95.1*			*80.0-120*		*10/01/2024 02:06*	WG2372871
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/01/2024 02:06*	WG2372871
(S) 1,2-Dichloroethane-d4	*76.7*			*70.0-130*		*10/01/2024 02:06*	WG2372871

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.194		0.000941	0.0100	10	10/03/2024 18:33	WG2375188
Toluene	U		0.000278	0.00100	1	10/01/2024 02:28	WG2372871
Ethylbenzene	0.00323		0.000137	0.00100	1	10/01/2024 02:28	WG2372871
Total Xylenes	0.00301		0.000174	0.00300	1	10/01/2024 02:28	WG2372871
(S) Toluene-d8	*107*			*80.0-120*		*10/01/2024 02:28*	WG2372871
(S) Toluene-d8	*95.8*			*80.0-120*		*10/03/2024 18:33*	WG2375188
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*10/01/2024 02:28*	WG2372871
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*10/03/2024 18:33*	WG2375188
(S) 1,2-Dichloroethane-d4	*71.8*			*70.0-130*		*10/01/2024 02:28*	WG2372871
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/03/2024 18:33*	WG2375188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00140		0.0000941	0.00100	1	10/03/2024 17:37	WG2375188
Toluene	U		0.000278	0.00100	1	10/01/2024 02:50	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 02:50	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 02:50	WG2372871
(S) Toluene-d8	*94.8*			*80.0-120*		*10/01/2024 02:50*	WG2372871
(S) Toluene-d8	*83.1*			*80.0-120*		*10/03/2024 17:37*	WG2375188
(S) 4-Bromofluorobenzene	*86.8*			*77.0-126*		*10/01/2024 02:50*	WG2372871
(S) 4-Bromofluorobenzene	*91.5*			*77.0-126*		*10/03/2024 17:37*	WG2375188
(S) 1,2-Dichloroethane-d4	*68.7*	J2		*70.0-130*		*10/01/2024 02:50*	WG2372871
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/03/2024 17:37*	WG2375188

Sample Narrative:

L1782207-19 WG2372871: Surrogate failure due to matrix interference.

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/01/2024 03:12	WG2372871
Toluene	U		0.000278	0.00100	1	10/01/2024 03:12	WG2372871
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 03:12	WG2372871
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 03:12	WG2372871
(S) Toluene-d8	*96.1*			*80.0-120*		*10/01/2024 03:12*	WG2372871
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*10/01/2024 03:12*	WG2372871
(S) 1,2-Dichloroethane-d4	*73.2*			*70.0-130*		*10/01/2024 03:12*	WG2372871

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/01/2024 23:54	WG2373274
Toluene	U		0.000278	0.00100	1	10/01/2024 23:54	WG2373274
Ethylbenzene	U		0.000137	0.00100	1	10/01/2024 23:54	WG2373274
Total Xylenes	U		0.000174	0.00300	1	10/01/2024 23:54	WG2373274
(S) Toluene-d8	*102*			*80.0-120*		*10/01/2024 23:54*	WG2373274
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*10/01/2024 23:54*	WG2373274
(S) 1,2-Dichloroethane-d4	*77.8*			*70.0-130*		*10/01/2024 23:54*	WG2373274

MW-11
Collected date/time: 09/25/24 10:49
L1782207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000118	J	0.0000941	0.00100	1	10/02/2024 00:17	WG2373274
Toluene	U		0.000278	0.00100	1	10/02/2024 00:17	WG2373274
Ethylbenzene	U		0.000137	0.00100	1	10/02/2024 00:17	WG2373274
Total Xylenes	U		0.000174	0.00300	1	10/02/2024 00:17	WG2373274
(S) Toluene-d8	*103*			*80.0-120*		*10/02/2024 00:17*	WG2373274
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/02/2024 00:17*	WG2373274
(S) 1,2-Dichloroethane-d4	*65.3*	J2		*70.0-130*		*10/02/2024 00:17*	WG2373274

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/02/2024 00:37	WG2373274
Toluene	U		0.000278	0.00100	1	10/02/2024 00:37	WG2373274
Ethylbenzene	U		0.000137	0.00100	1	10/02/2024 00:37	WG2373274
Total Xylenes	U		0.000174	0.00300	1	10/02/2024 00:37	WG2373274
(S) Toluene-d8	*103*			*80.0-120*		*10/02/2024 00:37*	WG2373274
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*		*10/02/2024 00:37*	WG2373274
(S) 1,2-Dichloroethane-d4	*81.3*			*70.0-130*		*10/02/2024 00:37*	WG2373274

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000353	J	0.0000941	0.00100	1	10/02/2024 00:57	WG2373274
Toluene	0.00143		0.000278	0.00100	1	10/02/2024 00:57	WG2373274
Ethylbenzene	0.00249		0.000137	0.00100	1	10/02/2024 00:57	WG2373274
Total Xylenes	0.0120		0.000174	0.00300	1	10/02/2024 00:57	WG2373274
(S) Toluene-d8	*105*			*80.0-120*		*10/02/2024 00:57*	WG2373274
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/02/2024 00:57*	WG2373274
(S) 1,2-Dichloroethane-d4	*83.5*			*70.0-130*		*10/02/2024 00:57*	WG2373274

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	10/02/2024 01:16	WG2373274
Toluene	U		0.000278	0.00100	1	10/02/2024 01:16	WG2373274
Ethylbenzene	U		0.000137	0.00100	1	10/02/2024 01:16	WG2373274
Total Xylenes	U		0.000174	0.00300	1	10/02/2024 01:16	WG2373274
(S) Toluene-d8	*101*			*80.0-120*		*10/02/2024 01:16*	WG2373274
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*		*10/02/2024 01:16*	WG2373274
(S) 1,2-Dichloroethane-d4	*74.9*			*70.0-130*		*10/02/2024 01:16*	WG2373274

DUPLICATE 1
Collected date/time: 09/25/24 00:00
L1782207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0563		0.000471	0.00500	5	10/02/2024 02:54	WG2373274
Toluene	0.0270		0.00139	0.00500	5	10/02/2024 02:54	WG2373274
Ethylbenzene	0.00640		0.000685	0.00500	5	10/02/2024 02:54	WG2373274
Total Xylenes	0.0795		0.000870	0.0150	5	10/02/2024 02:54	WG2373274
(S) Toluene-d8	*107*			*80.0-120*		*10/02/2024 02:54*	WG2373274
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*10/02/2024 02:54*	WG2373274
(S) 1,2-Dichloroethane-d4	*70.7*			*70.0-130*		*10/02/2024 02:54*	WG2373274

DUPLICATE 2
Collected date/time: 09/25/24 00:00
L1782207

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0163		0.000941	0.0100	10	10/09/2024 21:39	WG2379217
Toluene	U		0.00278	0.0100	10	10/09/2024 21:39	WG2379217
Ethylbenzene	0.216		0.00137	0.0100	10	10/09/2024 21:39	WG2379217
Total Xylenes	0.104		0.00174	0.0300	10	10/09/2024 21:39	WG2379217
(S) Toluene-d8	*109*			*80.0-120*		*10/09/2024 21:39*	WG2379217
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*10/09/2024 21:39*	WG2379217
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/09/2024 21:39*	WG2379217

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.146		0.000471	0.00500	5	10/02/2024 03:33	WG2373274
Toluene	U		0.00139	0.00500	5	10/02/2024 03:33	WG2373274
Ethylbenzene	0.00204	J	0.000685	0.00500	5	10/02/2024 03:33	WG2373274
Total Xylenes	0.00182	J	0.000870	0.0150	5	10/02/2024 03:33	WG2373274
(S) Toluene-d8	*107*			*80.0-120*		*10/02/2024 03:33*	WG2373274
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*		*10/02/2024 03:33*	WG2373274
(S) 1,2-Dichloroethane-d4	*74.2*			*70.0-130*		*10/02/2024 03:33*	WG2373274

Method Blank (MB)

(MB) R4127862-3 09/30/24 18:06

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
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*96.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*70.2*			*70.0-130*

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

(LCS) R4127862-1 09/30/24 17:00 • (LCSD) R4127862-2 09/30/24 17:22

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	0.00474	0.00482	94.8	96.4	70.0-123			1.67	20
Toluene	0.00500	0.00471	0.00457	94.2	91.4	79.0-120			3.02	20
Ethylbenzene	0.00500	0.00524	0.00530	105	106	79.0-123			1.14	20
Total Xylenes	0.0150	0.0158	0.0158	105	105	79.0-123			0.000	20
(S) Toluene-d8				*95.1*	*95.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*98.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*73.9*	*71.6*	*70.0-130*				

Method Blank (MB)

(MB) R4130683-3 10/01/24 20:58

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
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*80.4*			*70.0-130*

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

(LCS) R4130683-1 10/01/24 19:59 • (LCSD) R4130683-2 10/01/24 20:18

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	0.00458	0.00458	91.6	91.6	70.0-123			0.000	20
Toluene	0.00500	0.00504	0.00508	101	102	79.0-120			0.791	20
Ethylbenzene	0.00500	0.00537	0.00543	107	109	79.0-123			1.11	20
Total Xylenes	0.0150	0.0155	0.0157	103	105	79.0-123			1.28	20
(S) Toluene-d8				*100*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.9*	*97.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*79.9*	*79.6*	*70.0-130*				

Method Blank (MB)

(MB) R4128378-2 10/03/24 10:14

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
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*95.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R4128378-1 10/03/24 09:36 • (LCSD) R4128378-3 10/03/24 10:52

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	0.00494	0.00450	98.8	90.0	70.0-123			9.32	20
Toluene	0.00500	0.00469	0.00440	93.8	88.0	79.0-120			6.38	20
Ethylbenzene	0.00500	0.00483	0.00465	96.6	93.0	79.0-123			3.80	20
Total Xylenes	0.0150	0.0145	0.0136	96.7	90.7	79.0-123			6.41	20
(S) Toluene-d8				*97.6*	*95.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*109*	*70.0-130*				

Method Blank (MB)

(MB) R4131098-3 10/09/24 19:40

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
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

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

(LCS) R4131098-1 10/09/24 18:37 • (LCSD) R4131098-2 10/09/24 18:58

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	0.00545	0.00526	109	105	70.0-123			3.55	20
Toluene	0.00500	0.00574	0.00556	115	111	79.0-120			3.19	20
Ethylbenzene	0.00500	0.00547	0.00540	109	108	79.0-123			1.29	20
Total Xylenes	0.0150	0.0167	0.0160	111	107	79.0-123			4.28	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.5*	*99.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*109*	*70.0-130*				

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.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(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 Reporting Limit (or MDL where applicable).
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.
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.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

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	LAO000356
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:
Phillips 66 - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

Billing Information:
Steve Weathers
370 17th St, Ste 2500
Denver, CO 80202

Pres Chk

Report to:
Brian Humphrey

Email To: **knorman@tasman-geo.com;Stephen.Weathers@p66.com;jwatts@t**

Project Description:
Eldridge Pipeline Release

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **303-487-1228**

Client Project #

Lab Project #
DCPTASMAN-ELDRIDGE

Collected by (print):
Oscar Gorcia

Site/Facility ID #

P.O. #
4301459804

Collected by (signature):

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

V8260BTEX 40mlAmb-HCl

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 # L1742267
J153

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P1102128**
PM: **824 - Chris Ward**
PB: MV 9/16/24
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-6	Grab	GW	NA	9/25/24 0.6	12:58	3	X		01
MW-8		GW		9/24/24 0.6	11:47	3	X		02
MW-10		GW		9/24/24 0.6	13:10	3	X		03
MW-11		GW		9/24/24 0.6	11:37	3	X		04
MW-12		GW		9/24/24 0.6	11:27	3	X		05
MW-14		GW				3	X		
MW-18		GW		9/24/24 0.6	12:14	3	X		06
MW-19		GW		9/24/24 0.6	12:45	3	X		07
MW-20		GW		9/24/24 0.6	10:55	3	X		08
MW-22		GW		9/25/24	11:55	3	X		09

* 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
	9/25/24	13:52		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 84
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/26/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Phillips 66 - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

Billing Information:
Steve Weathers
370 17th St, Ste 2500
Denver, CO 80202

Pres Chk

Report to:
Brian Humphrey

Email To: **knorman@tasman-geo.com;Stephen.Weathers@p66.com;jwatts@t**

Project Description:
Eldridge Pipeline Release

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **303-487-1228**

Client Project #

Lab Project #
DCPTASMAN-ELDRIDGE

Collected by (print):
Oscar Garcia

Site/Facility ID #

P.O. #
4301459804

Collected by (signature):

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

V8260BTEX 40mlAmb-HCl

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 # L1782107

Table #

Acctnum: **DCPTASMAN**
Template:**T150935**
Prelogin: **P1102128**
PM: **824 - Chris Ward**
PB: MV 9/16/24

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-23	Grab	GW	N/A	9/25/24	11:01	3	X		10
MW-25		GW		9/25/24	10:15	3	X		11
MW-26		GW		9/25/24	10:32	3	X		12
MW-27		~~GW~~				3	X		
MW-29		GW		9/25/24	11:35	3	X		13
MW-E		GW		9/24/24	12:24	3	X		14
MW-F		GW		9/24/24	12:33	3	X		15
MW-I		GW		9/24/24	12:00	3	X		16
MW-M		GW		9/24/24	11:09	3	X		17
MW-N		GW		9/25/24	12:08	3	X		18

* 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
	9/25/24	13:52		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 84	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/26/24 Time: 900	Hold: / Condition: NCF / OK

Company Name/Address:
Phillips 66 - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

Billing Information:
Steve Weathers
370 17th St, Ste 2500
Denver, CO 80202

Pres Chk

Report to:
Brian Humphrey

Email To: **knorman@tasman-geo.com;Stephen.Weathers@p66.com;jwatts@t**

Project Description:
Eldridge Pipeline Release

City/State Collected:

Please Circle: PT MT CT ET

Phone: **303-487-1228**

Client Project #

Lab Project #
DCPTASMAN-ELDRIDGE

Collected by (print):

Site/Facility ID #

P.O. #
4301459804

Collected by (signature):

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

V8260BTEX 40mlAmb-HCl

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 # L1782207

Table #

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P1102128**
PM: **824 - Chris Ward**
PB: MV 9/16/24

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-O	Grab	GW	N/A	9/25/24	12:19	3	X		19
MW-Q		GW		9/25/24	12:30	3	X		20
MW-S		GW		9/25/24	12:41	3	X		21
MW-CC		GW				3	X		
MW-EE		GW		9/25/24	10:49	3	X		22
MW-LL		GW				3	X		
MW-MM		GW		9/25/24	11:14	3	X		23
NMG MW-5		GW		9/25/24	9:39	3	X		24
NMG MW-10		GW		9/25/24	10:03	3	X		25
		GW				3	X		

* 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
	9/25/24	13:52		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 84
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/26/24 Time: 900
				Hold: Condition: NCF / OK

Company Name/Address:
Phillips 66 - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

Billing Information:
Steve Weathers
370 17th St, Ste 2500
Denver, CO 80202

Pres Chk

Report to:
Brian Humphrey

Email To: **knorman@tasman-geo.com;Stephen.Weathers@p66.com;jwatts@t**

Project Description:
Eldridge Pipeline Release

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **303-487-1228**

Client Project #

Lab Project #
DCPTASMAN-ELDRIDGE

Collected by (print):
Oscar Garcia

Site/Facility ID #

P.O. #
4301459804

Collected by (signature):

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 ___

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 # L1382107

Table #

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P1102128**
PM: **824 - Chris Ward**
PB: MV 9/16/24

Shipped Via: **FedEx Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl									Remarks	Sample # (lab only)
Duplicate 1	Grab	GW	N/A	9/25/24		3	X										26
Duplicate 2	↓	GW	↓	↓		3	X										27
Duplicate 3	↓	GW	↓	↓		3	X										28
		GW	↓	↓		3	X										

* 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
	9/25/24	13:52		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 84
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/26/24 Time: 900
				Hold: Condition: NCF / OK

Appendix C

NMOCD Sample Notification

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

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 382360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAUTOfWCO00145**
Incident Name	**NAUTOFWCO00145 ELDRIDGE RANCH @ 0**
Incident Type	**Release Other**
Incident Status	**Notification Accepted**
Incident Facility	**[fWCO0116958448] ELDRIDGE RANCH**

Location of Release Source	
Site Name	**ELDRIDGE RANCH**
Date Release Discovered	**08/02/2000**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	6,980,000
What is the estimated number of samples that will be gathered	29
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/23/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Groundwater abatement per 19.15.30.14B NMAC
Please provide any information necessary for navigation to sampling site	Kyle Norman - 575-318-5017

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

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 382360
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
knorman	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/10/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 447302
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the Eldridge Ranch, 2024 Annual Groundwater Report: content satisfactory 1. Continue to conduct EFR remediation activities for the 2025 calendar year. 2. Assess LNAPL recovery for 2025 and keep OCD apprised of any recommendations or findings related to rate of recovery and next steps. 3. Gauge MW-23 and MW-14 as practicable. 4. Continue to conduct groundwater monitoring on a quarterly basis for wells not containing LNAPL. 5. Submit the 2025 Annual Report to OCD no later than April 1, 2026	4/24/2025