

2025 Annual Groundwater Monitoring Summary Report

Linam Ranch Natural Gas Plant
Lea County, New Mexico
GW-015
Incident Number: nAUTOFGP000132

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Linam Ranch Natural Gas Plant
2025 Annual
GW Monitoring Summary Report



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1.0 Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the 2025 monitoring period at the Linam Ranch Natural Gas Plant (Site) in Lea County, New Mexico (Figure 1). Tasman, Inc. (Tasman) performed these activities on behalf of DCP Operating Company, LP (DCP). The field activities described herein were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and analytical laboratory results collected on March 13, 2025, and September 18, 2025. The data collected was used to develop the groundwater elevation map and analytical results maps presented herein.

2.0 Site Location and Background

The Site is located in New Mexico Oil Conservation Division (NMOCD) designated Unit B, Section 6, Township 19 South, Range 37 East (Figure 1). The approximate facility coordinates are 32.6965 degrees north and 103.2883 degrees west. The facility is an active natural gas processing facility and includes an office complex and storage areas in addition to the main plant.

In February 1994, hydrocarbon-impacted groundwater was detected during subsurface investigations performed at two areas within the plant. A follow-up subsurface investigation was performed in May 1994 to delineate the horizontal extent of hydrocarbon-impacted soils and groundwater. The NMOCD subsequently requested a work plan to completely define the extent of groundwater contamination at the plant. In October 1995, the NMOCD approved a quarterly sampling and monitoring program for the Site, which was reduced to semi-annual frequency in 1997 after the recommendations of a 1996 report submitted by Geoscience Consultants, Ltd (GCL).

The Site currently has twelve groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-10D, and MW-11) (Figure 2); monitoring well MW-13 was destroyed during the Second Half of 2012 and has been removed from the sampling program. These monitoring wells were installed between 1991 and 1995.

3.0 Groundwater Monitoring

This section describes the groundwater field and laboratory activities performed during the semi-annual monitoring events 2025. Monitoring activities occurred on March 13 and September 18, 2025, and 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 to evaluate hydraulic characteristics and provide information regarding seasonal and annual fluctuations in groundwater elevations at the Site. During the reporting period, groundwater levels were measured at each of the 12 Site monitoring wells.

Groundwater and LNAPL levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data was converted to elevation (feet above mean sea level [feet AMSL]). Measured groundwater levels, calculated groundwater elevations, and LNAPL level data are presented in Table 1.

Groundwater elevation maps, included as Figures 3 and 4, have historically indicated that groundwater gradient on-Site trends to the southeast. During the First Half 2025 (1H25) a slight depression was observed in the vicinity of monitoring well MW-11 and in the Second Half 2025 (2H25) flow direction shifted to the northeast. These changes could be attributed to water withdrawal from a nearby source, but has not been identified at this time. Groundwater elevation ranges, average elevation changes from previous monitoring events, and calculated hydraulic gradients at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters		
Sampling Date	1H25	2H25
Maximum Elevation (Well ID)	3,663.96 (MW-1)	3,663.92 (MW-1)
Minimum Elevation (Well ID)	3,660.51 (MW-3)	3,660.08 (MW-10D)
Potentiometric Surface Average Change (ft)	-0.47	-0.31
Hydraulic Gradient (ft/ft)	0.00166	0.00354

Measurable LNAPL was observed at monitoring well MW-11 during both 1H25 and 2H25 events.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements, groundwater samples were collected from each on-Site monitoring well. Monitoring well MW-11 was not sampled due to the presence of LNAPL. Monitoring well MW-1 was not sampled during either groundwater monitoring event due to an insufficient volume of water needed for sample collection. Monitoring well MW-2 was not sampled during the 1H25 event but was sampled during the 2H25 event and MW-3 was sampled during the 1H25 event but was not sampled during the 2H25 event. Samples that were not collected were due to an insufficient volume of water needed for sample collection. Monitoring wells MW-4, MW-5, MW-6, and MW-7 were dry during both monitoring events.

A minimum of three well casing volumes of groundwater were purged from each monitoring well prior to collection of groundwater samples. Groundwater samples were collected using disposable polyethylene bailers, placed in clean laboratory-supplied containers for the selected analytical methods, packed in an ice-filled cooler, and maintained at approximately four degrees Celsius (°C) for transportation to the laboratory. Groundwater samples were then shipped under



chain-of-custody procedures to Pace Analytical laboratory (Pace) in Mount Juliet, Tennessee for analysis. Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) by the United States Environmental Protection Agency (USEPA) Method 8260B.

BTEX concentrations in groundwater samples collected during the reporting period are summarized in Table 2. Historical analytical results up to and including the September 18, 2025 event are included in Appendix A. The laboratory analytical results are illustrated on Figures 5 and 6. The NMOCD sampling notifications are provided as Appendix B. In 2025, Pace began issuing all analytical reports as secured and certified, therefore, each laboratory analytical report for the 2025 reporting period will be submitted as separate attachments. Associated analytical reports are as follows:

- Pace Laboratories Job #: L1836495 (1H25)
- Pace Laboratories Job #: L1900106 (2H25)

Analytical results/observations are summarized below:

- Benzene was detected in exceedance of the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of (0.010 milligrams per liter [mg/L]) during each monitoring event in monitoring wells MW-10 and MW-10D. Concentrations ranged from 0.0157 mg/L at monitoring well MW-10D to 1.76 mg/L in the Duplicate collected from monitoring well MW-10 both collected during the 2H25 event. Concentrations of benzene were below the NMWQCC standard at all other wells.
- Toluene, ethylbenzene, and total xylenes were not detected at concentrations greater than their respective NMWQCC standards during the 2025 monitoring period.

3.3 Data Quality Assurance / Quality Control

A field duplicate sample (MW-10 and MW-10D) were collected during both sampling events and a trip blank was collected in the 1H25 event but not the 2H25 event. The data were 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. Chain-of-custody forms were in order and properly executed and indicate that samples were received at the proper temperature with no headspace. All data were reported using the correct method number and reporting units. QA/QC items of note for 2025 include the following:

- Target analytes were not detected in the trip blank.
- Calculated relative percent difference (RPD) are shown in the table below:

	Parent Sample (mg/L)	Duplicate Sample (mg/L)	RPD
1H25 (MW-10)	0.0433	0.0427	1.40%
2H25 (MW-10D)	1.550	1.760	12.69%



The RPD between parent and duplicate samples were each within the target of 20%. The overall QA/QC assessment, based on the data review, indicates that data precision and accuracy are acceptable.

4.0 Remediation Activities

Active LNAPL recovery using a Clean Earth Technologies Magnum Spill Buster™ automatic LNAPL recovery system (Magnum Spill Buster™) deployed at MW-6 was shut down in November 2018 based on the LNAPL being absent in the monitoring well. Due to the presence of LNAPL observed at this location during the Second Half of 2019, the Spill Buster was re-initiated on September 18, 2019. Monitoring well MW-6 has been dry since September 2024, therefore the spill buster has been out of operation. Should LNAPL be encountered at this well again, appropriate measures will be taken to place the spill buster back into operation. Passive bailers were deployed in monitoring well MW-4 following the September 2022 event and in monitoring well MW-11 on October 11, 2023. Monitoring well MW-4 has been dry throughout 2025 and as a result the passive bailer located in this well was removed. If LNAPL is observed in this monitoring well during future groundwater monitoring events, then proper measures will be taken to address the LNAPL. Manual recovery of LNAPL using a hydrocarbon bailer also takes place during each quarter at monitoring well MW-11. A total of three gallons of LNAPL have been recovered during the 2025 monitoring period.

5.0 Conclusions

Comparison of data and observations collected during 2025 with historical information yield the following general conclusions:

- Based on historical groundwater level measurements, groundwater elevations at the Site typically exhibit seasonal and annual fluctuations. Measurements collected during 2025 exhibited an overall decrease in elevation compared to the Second Half of 2024. The observed decrease is likely due to seasonal groundwater fluctuations.
- Benzene concentrations above NMWQCC standards persist in the central portion of the Site at monitoring wells MW-10 and MW-10D. In addition, MW-11 has exhibited measurable LNAPL since September 2022.
- While dissolved phase hydrocarbon impacts persist on-Site, BTEX concentrations in downgradient monitoring wells MW-3 and MW-9 remain below laboratory detection limits.

Linam Ranch Natural Gas Plant
2025 Annual
Groundwater Monitoring Summary Report



6.0 Recommendations

Based on evaluation of data gathered during the 2025 monitoring period and historical Site observations and monitoring results, the following recommendations have been developed for future activities:

- Continue semi-annual groundwater monitoring and sampling at the monitoring locations illustrated on Figure 2.
- Continue LNAPL recovery at monitoring well MW-11 during 2026
- Consider installation of a monitoring well to replace MW-3 as it has insufficient groundwater volume for sampling due to ongoing dry conditions and regional decline in shallow water levels.

Tables

TABLE 1
2025 ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
LINAM RANCH
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 ¹ (feet amsl)	Change in Groundwater Elevation Since Previous Event ² (feet)
MW-1	03/13/2025	54.33	---	---	54.65	3718.29	3663.96	-0.36
MW-1	09/18/2025	54.37	---	---	54.67	3718.29	3663.92	-0.04
MW-2	03/13/2025	50.41	---	---	50.94	3714.80	3664.39	-0.06
MW-2	09/18/2025	49.72	---	---	51.21	3714.80	3665.08	0.69
MW-3	03/13/2025	54.99	---	---	55.76	3715.50	3660.51	-0.16
MW-3	09/18/2025		DRY		55.76	3715.50	NA	NA
MW-4	03/13/2025		DRY		55.91	3720.46	NA	NA
MW-4	09/18/2025		DRY		55.91	3720.46	NA	NA
MW-5	03/13/2025		DRY		57.52	3721.53	NA	NA
MW-5	09/18/2025		DRY		57.52	3721.53	NA	NA
MW-6	03/13/2025		DRY		56.89	3720.99	NA	NA
MW-6	09/18/2025		DRY		56.89	3720.99	NA	NA
MW-7	03/13/2025		DRY		62.94	3728.57	NA	NA
MW-7	09/18/2025		DRY		62.94	3728.57	NA	NA
MW-8	03/13/2025	52.75	---	---	59.30	3714.18	3661.43	-0.74
MW-8*	09/18/2025	55.97	---	---	58.52	3714.18	3658.21	-3.22
MW-9	03/13/2025	58.14	---	---	60.50	3720.48	3662.34	-0.53
MW-9	09/18/2025	58.75	---	---	59.45	3720.48	3661.73	-0.61
MW-10	03/13/2025	58.52	---	---	68.60	3720.76	3662.24	-0.61
MW-10	09/18/2025	59.15	---	---	65.05	3720.76	3661.61	-0.63
MW-10D*	03/13/2025	60.15	---	---	79.93	3720.85	3660.70	-0.50
MW-10D	09/18/2025	60.77	---	---	78.90	3720.85	3660.08	-0.62
MW-11	03/13/2025	60.95	60.42	0.53	64.85	3722.02	3661.47	-0.50
MW-11	09/18/2025	61.55	61.09	0.46	62.77	3722.02	3660.82	-0.65
Average change in groundwater elevation (09/19/2024 - 03/13/2025)								-0.47
Average change in groundwater elevation (03/13/2025 - 09/18/2025)								-0.31

Notes:

(1) Groundwater elevation was corrected for product thickness using the following calculation, when applicable:

Corrected 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 g/cc

(2) Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected during the most recent monitoring event.

* Value excluded from average elevation change

feet amsl = Feet above mean sea level

g/cc = Grams per cubic centimeter

TOC = top of casing

LNAPL = Light non-aqueous phase liquid

Groundwater elevation = (TOC Elevation - Measured Depth to Water)

TABLE 2
2025 ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
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	03/13/2025	NS				Inadequate Volume
MW-1	09/18/2025	NS				Inadequate Volume
MW-2	03/13/2025	NS - Inadequate Volume				
MW-2	09/18/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/18/2025	NS				Dry
MW-4	03/13/2025	NS				Dry
MW-4	09/18/2025	NS				Dry
MW-5	03/13/2025	NS				Dry
MW-5	09/18/2025	NS				Dry
MW-6	03/13/2025	NS				Dry
MW-6	09/18/2025	NS				Dry
MW-7	03/13/2025	NS				Dry
MW-7	09/18/2025	NS				Dry
MW-8	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	09/18/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	09/18/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	03/13/2025	0.532	0.0164 J	0.248	0.0766	
MW-10	09/18/2025	1.55	<0.0250	0.538	0.310	Duplicate Sample Collected
MW-10 (Duplicate)	09/18/2025	1.76	0.00289 J	0.550	0.321	
MW-10D	03/13/2025	0.0433	0.0167	0.00638 J	0.00467 J	Duplicate Sample Collected
MW-10D (Duplicate)	03/13/2025	0.0427	0.0161	0.00583 J	0.00519 J	
MW-10D	09/18/2025	0.0157	0.00783 J	0.00400 J	<0.0300	
MW-11	03/13/2025	NS				LNAPL (0.53 feet)
MW-11	09/18/2025	NS				LNAPL (0.46 feet)
Trip Blank	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	09/18/2025	No Trip Blanks Included in Shipment				

Notes:

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

(<) = Analytical result is less than the indicated laboratory RDL.

BTEX = Benzene, toluene, ethylbenzene, total xylenes

J = A qualifier indicating an estimated value of a concentration above the laboratory MDL but below the RDL.

LNAPL = Light non-aqueous phase liquid

MDL = Method detection limit

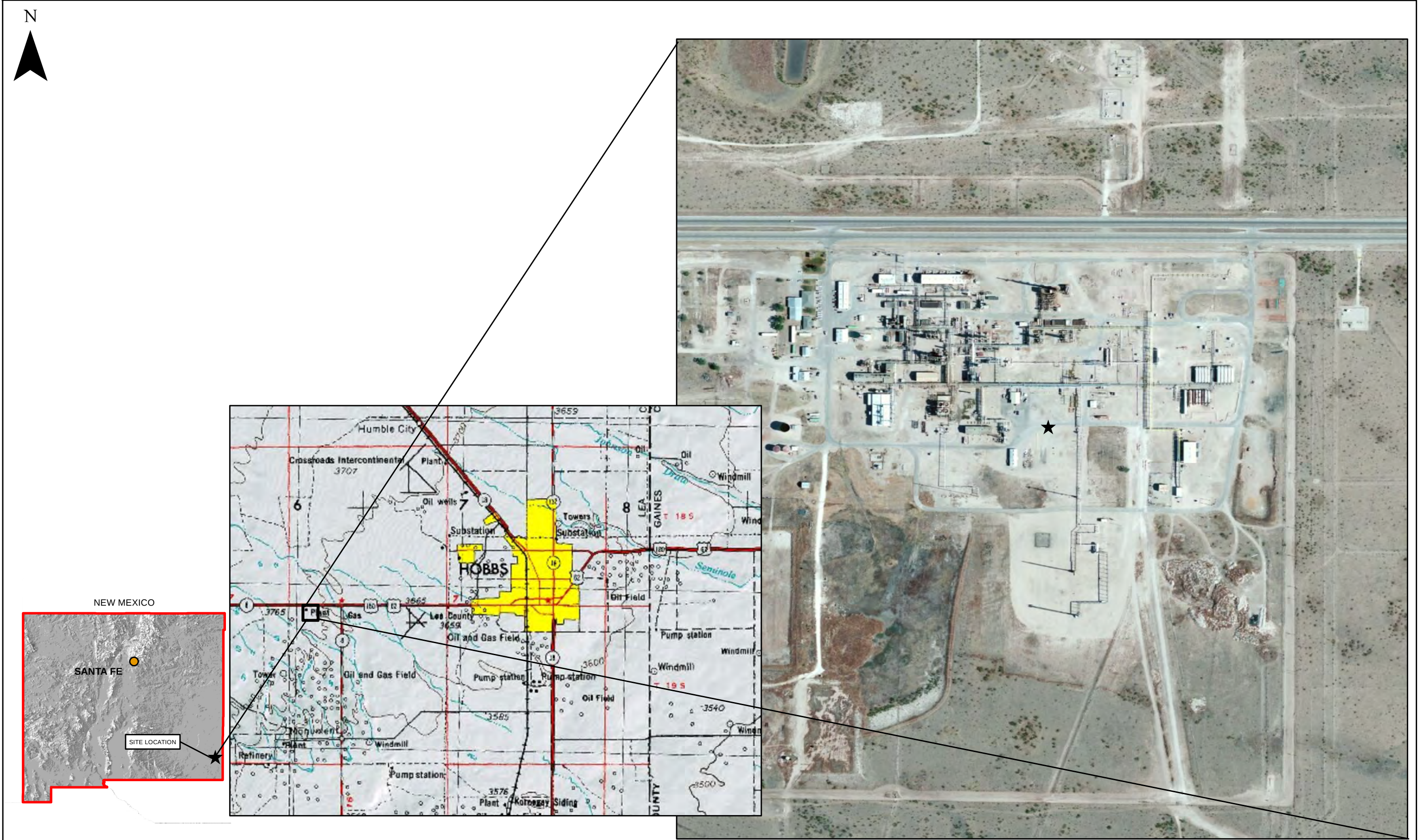
mg/L = Milligrams per liter

NMWQCC = New Mexico Water Quality Control Commission

NS = Not Sampled

RDL = Reported detection limit

Figures



DATE: June 2014	 Tasman Geosciences, Inc. 2620 W. Marland Blvd Hobbs, NM 88240	DCP Operating Company, LP Linam Gas Plant Unit B, Section 6, Township 19 South Range 37 East Lea County, New Mexico	Site Location Map	Figure 1
DESIGNED BY: T. Johansen				
DRAWN BY: D. Arnold				



DATE:	March 2024
DESIGNED BY:	B. Dennis
DRAWN BY:	B. Dennis

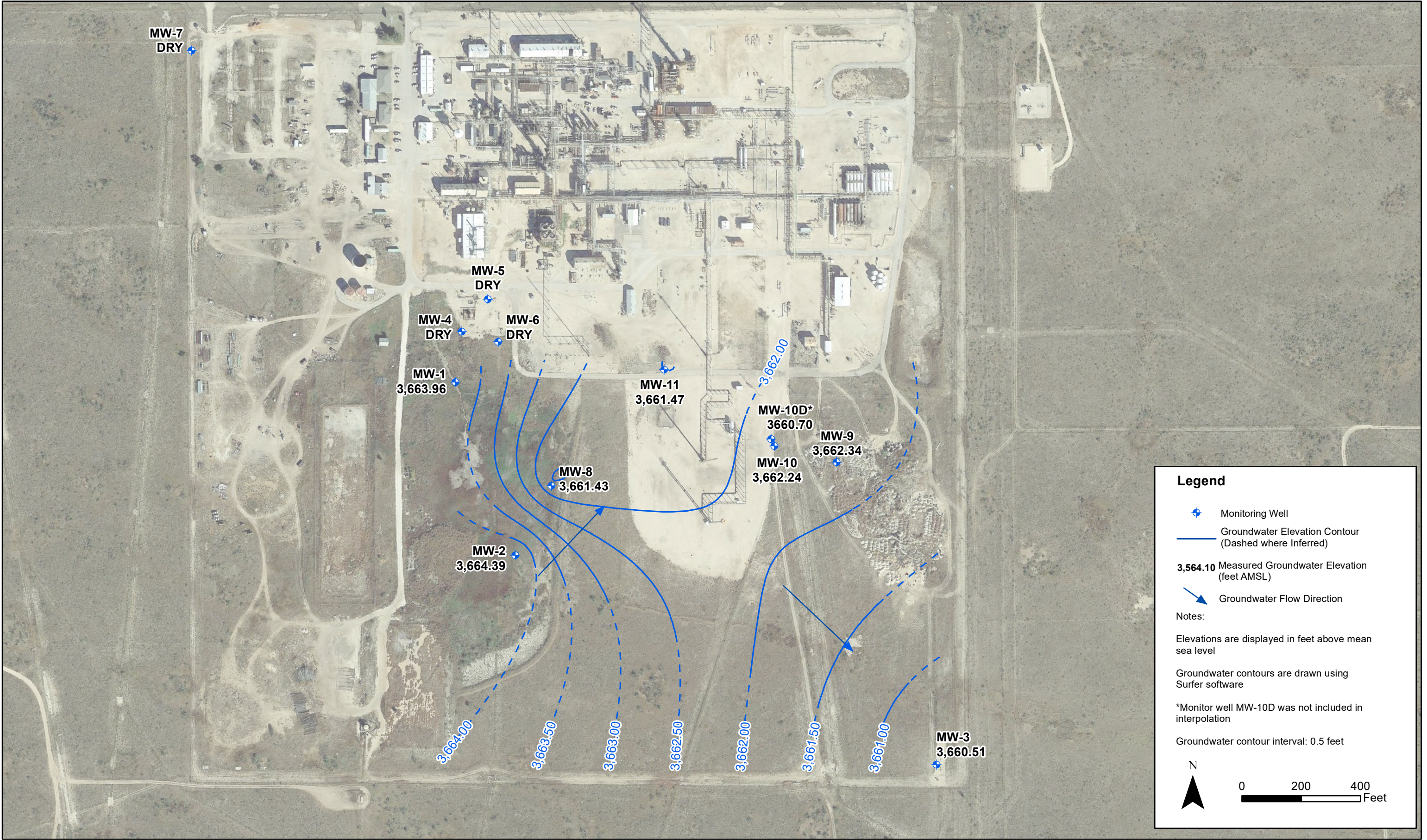


Tasman Geosciences, Inc.
2620 W. Marland Blvd
Hobbs, NM 88240

DCP Operating Company, LP
Linam Gas Plant
Unit B, Section 6, Township 19 South Range 37 East
Lea County, New Mexico

Site Overview Map

Figure
2



DATE:	March 2025
DESIGNED BY:	K. Stark
DRAWN BY:	K. Stark

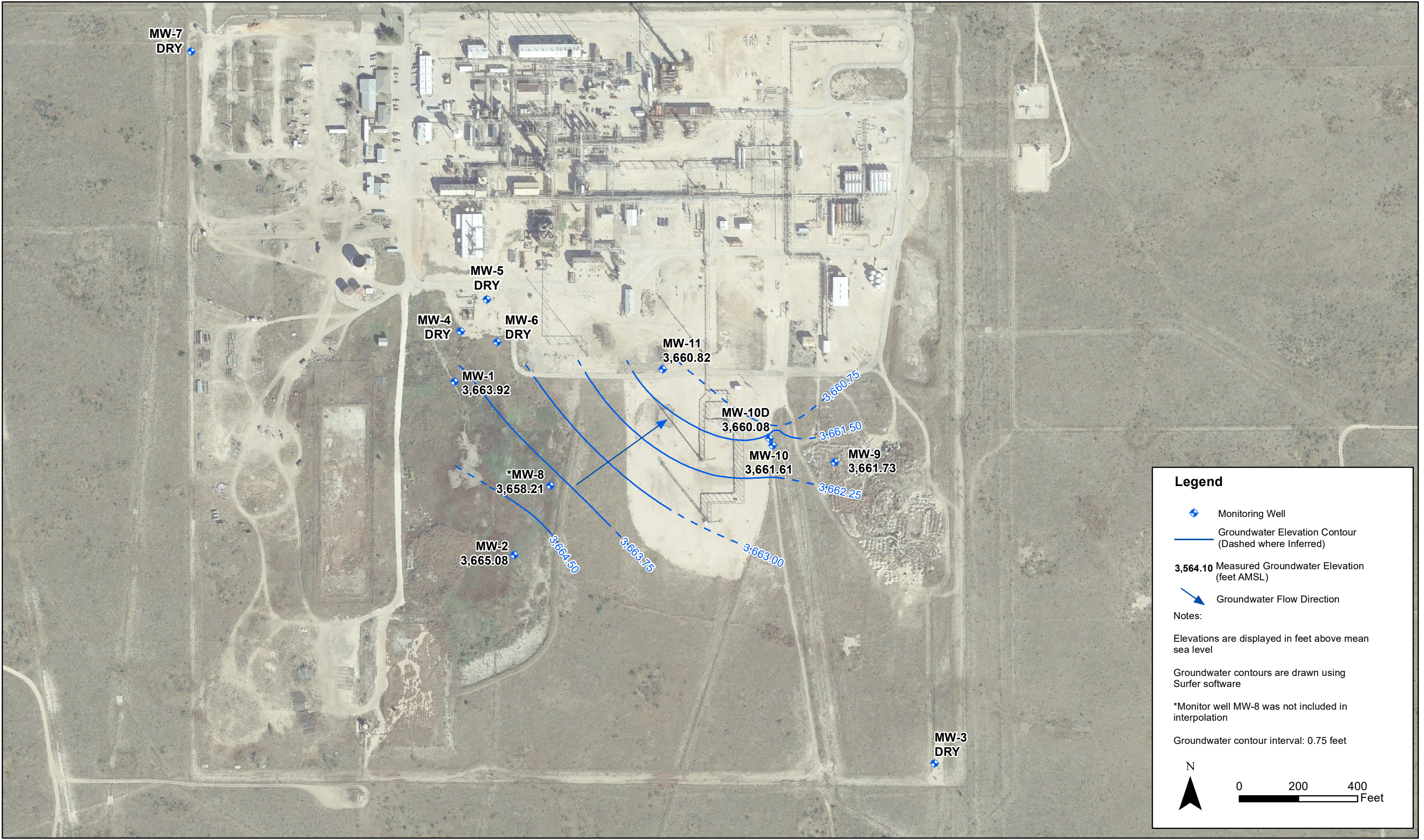


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DCP Operating Company, LP
Linam Gas Plant
Unit B, Section 6, Township 19 South Range 37 East
Lea County, New Mexico

Groundwater Elevation
Contour Map
(March 13, 2025)

Figure
3



DATE:	September 2025
DESIGNED BY:	K. Stark
DRAWN BY:	K. Stark

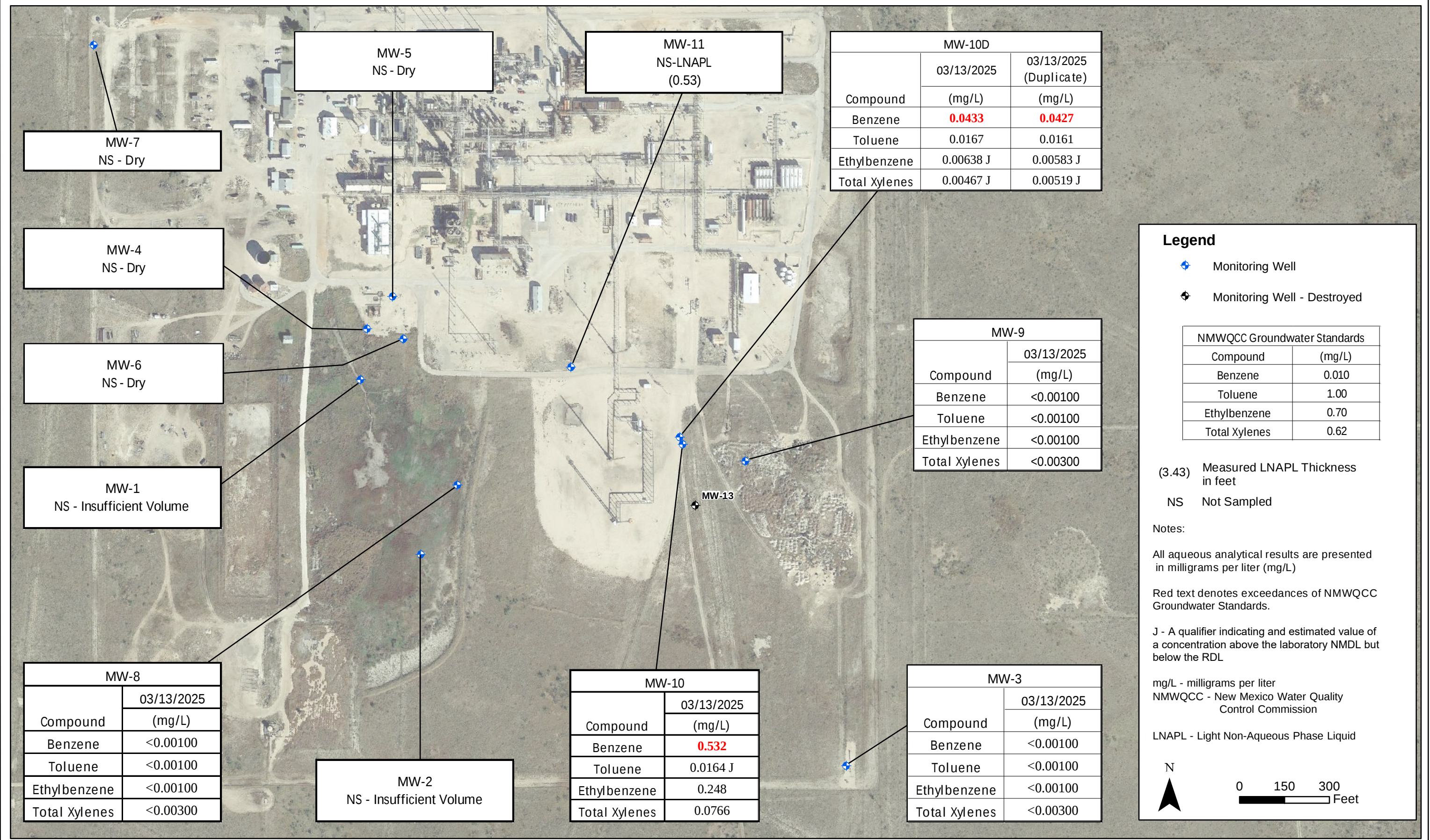


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Linam Gas Plant
Unit B, Section 6, Township 19 South Range 37 East
Lea County, New Mexico

Groundwater Elevation
Contour Map
(September 18, 2025)

Figure
4



DATE: March 2025

DESIGNED BY: K. Stark

DRAWN BY: K. Stark

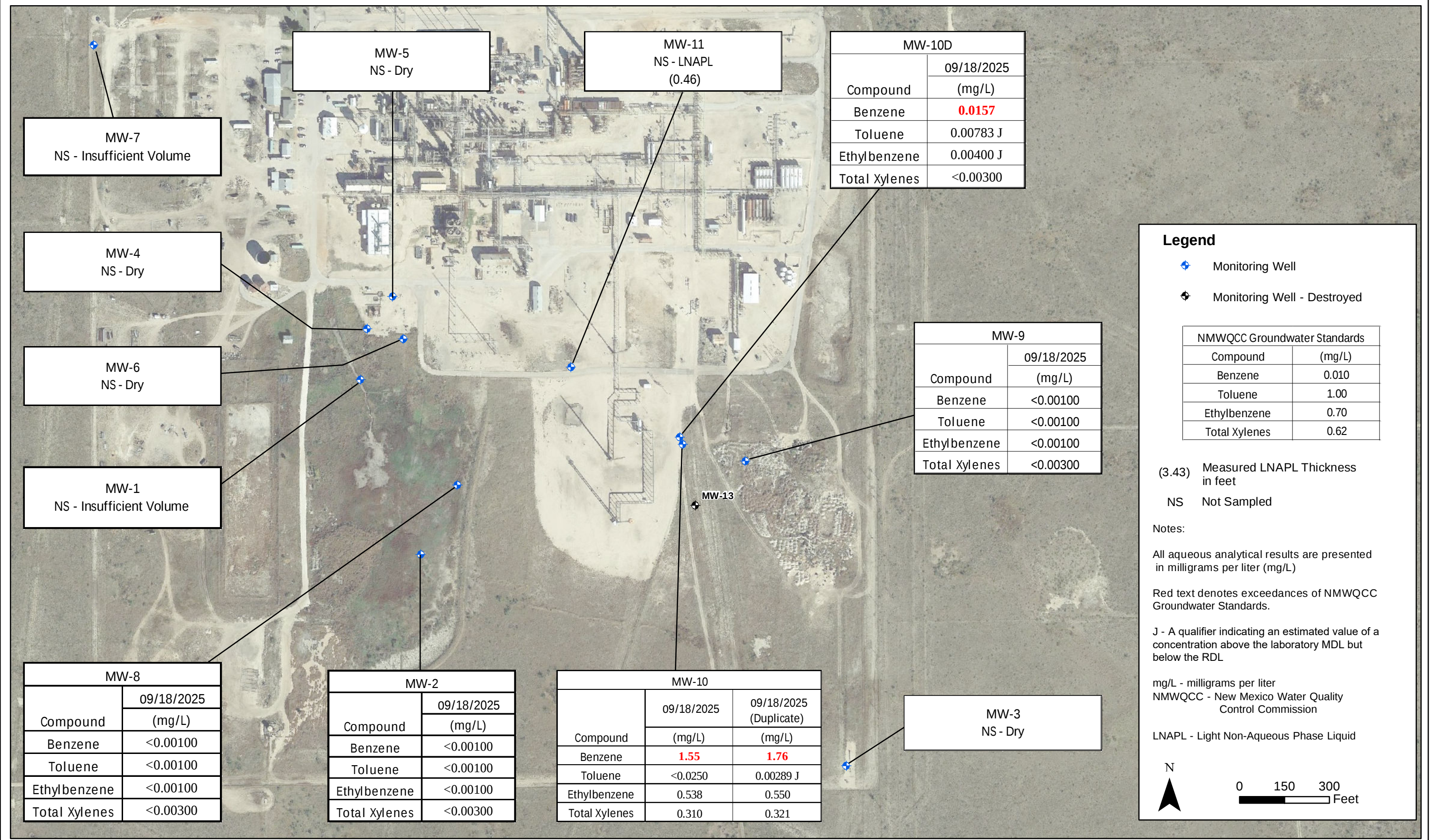


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DCP Operating Company, LP
Linam Gas Plant
Unit B, Section 6, Township 19 South Range 37 East
Lea County, New Mexico

Analytical Results
Map
(March 13, 2025)

Figure
5



DATE: September 2025

DESIGNED BY: K. Stark

DRAWN BY: K. Stark



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DCP Operating Company, LP
Linam Gas Plant
Unit B, Section 6, Township 19 South Range 37 East
Lea County, New Mexico

Analytical Results
Map
(September 18, 2025)

Figure
6

Appendix A
Historical Analytical Results

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
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	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-1	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-1	09/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-1	04/28/2011	0.00054 J	<0.002	<0.002	<0.002	
MW-1	09/13/2011	<0.001	<0.002	<0.002	<0.004	
MW-1	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-1	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-1	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-1	09/09/2013	0.012	<0.001	0.0024	0.0038	
MW-1	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-1	09/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-1	02/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-1	09/01/2015	<0.001	<0.001	<0.001	<0.003	
MW-1	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-1	09/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-1	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	03/25/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	09/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	06/23/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	09/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	03/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	09/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	03/24/2022	0.000105 J	<0.00100	<0.00100	<0.00300	
MW-1	09/16/2022	0.000212 J	0.000541 J	<0.00100	0.000536 J	
MW-1	03/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-1	09/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-1	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-1	09/19/2024	NS				Inadequate Volume
MW-1	03/13/2025	NS				Inadequate Volume
MW-1	09/18/2025	NS				Inadequate Volume
MW-2	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-2	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-2	09/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-2	04/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-2	09/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-2	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-2	09/09/2013	<0.001	<0.001	<0.01	<0.001	
MW-2	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-2	09/23/2014	NS				Inaccessible
MW-2	02/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-2	09/01/2015	<0.001	<0.001	<0.001	<0.003	
MW-2	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-2	09/28/2016	NS				Well inaccessible due to flooding
MW-2	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-2	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	03/25/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	06/23/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
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-2	03/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	03/24/2022	0.000411 J	<0.00100	<0.00100	<0.00300	
MW-2	09/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	03/23/2023	NS				Inadequate Volume
MW-2	09/22/2023	NS				Inadequate Volume
MW-2	03/19/2024	NS				Inadequate Volume
MW-2	09/19/2024	NS				Inadequate Volume
MW-2	03/13/2025	NS				Inadequate Volume
MW-2	09/18/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-3	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-3	09/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-3	04/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-3	09/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-3	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-3	09/09/2013	<0.001	<0.001	<0.001	<0.001	
MW-3	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-3	09/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-3	02/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-3	09/01/2015	<0.001	<0.001	<0.001	<0.003	
MW-3	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-3	09/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-3	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	03/26/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	06/24/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	03/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	03/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	03/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/18/2025	NS				Inadequate Volume
MW-4	09/24/2009	NS				LNAPL
MW-4	03/24/2010	NS				LNAPL
MW-4	09/28/2010	NS				LNAPL
MW-4	04/28/2011	NS				LNAPL (0.23 feet)
MW-4	09/13/2011	NS				LNAPL (0.28 feet)
MW-4	03/05/2012	NS				LNAPL (0.34 feet)
MW-4	09/04/2012	NS				LNAPL (0.43 feet)
MW-4	02/18/2013	NS				LNAPL (0.47 feet)
MW-4	09/09/2013	NS				LNAPL (0.06 feet)
MW-4	02/25/2014	NS				LNAPL (0.02 feet)
MW-4	02/24/2015	9.8	<0.005	0.59	<0.015	LNAPL (0.01 feet)
MW-4	09/01/2015	8.6	<0.005	0.53	<0.015	

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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-4	03/24/2016	6.9	<0.005	0.38	<0.015	
MW-4	10/12/2016	5.0	<0.010	0.027	0.053	
MW-4	03/07/2017	8.9	<0.005	0.024	0.0051	
MW-4	10/03/2017	16.9	<0.100	0.618	<0.300	
MW-4	03/14/2018	18.7	<0.010	0.686	<0.030	
MW-4	09/07/2018	12.3	<0.200	0.740	<0.600	
MW-4	03/26/2019	15.9	<0.200	0.516	<0.600	
MW-4	09/18/2019	19.3	<0.0010	0.829	0.00356	
MW-4	06/23/2020	12.9	<0.0010	0.561	0.0351	
MW-4	09/16/2020	18.5	<0.100	0.601	<0.300	
MW-4	03/25/2021	17.3	<0.100	0.911	0.121 J	LNAPL (0.60 feet)
MW-4	09/23/2021			NS		LNAPL (3.43 feet)
MW-4	03/24/2022			NS		LNAPL (2.61 feet)
MW-4	09/16/2022			NS		LNAPL (3.01 feet)
MW-4	03/23/2023			NS		LNAPL
MW-4	09/22/2023			NS		SHEEN
MW-4	03/19/2024			NS		LNAPL
MW-4	09/19/2024			NS		LNAPL
MW-4	03/13/2025			NS		Inadequate Volume
MW-4	09/18/2025			NS		Inadequate Volume
MW-5	09/24/2009	0.0272	<0.002	0.227	<0.006	
MW-5	03/24/2010	0.13	<0.002	0.482	0.46	
MW-5	09/28/2010	0.0095	<0.004	0.188	<0.008	
MW-5	04/28/2011	0.149	<0.004	0.776	<0.004	
MW-5	09/13/2011	0.13	<0.010	0.86	<0.020	
MW-5	03/05/2012	0.24	<0.025	2	<0.075	
MW-5	09/04/2012	0.17	<0.005	1	0.038	Duplicate Sample Collected
MW-5	02/18/2013	0.21	<0.005	1.4	<0.015	Duplicate Sample Collected
MW-5	09/09/2013	0.096	<0.001	0.89	<0.001	Duplicate Sample Collected
MW-5 (Duplicate)	09/09/2013	0.095	<0.001	0.9	<0.001	
MW-5	02/25/2014	0.18	<0.005	1.3	<0.005	
MW-5	09/23/2014	0.33	<0.005	2.0	<0.015	
MW-5	02/24/2015	0.16	<0.005	1.3	<0.015	
MW-5	09/01/2015	0.10	<0.005	0.57	<0.015	
MW-5	03/24/2016	0.095	<0.005	1.4	<0.015	
MW-5	09/28/2016	0.081	<0.0050	1.6	<0.015	
MW-5	03/07/2017	0.081	<0.0050	0.91	<0.0050	
MW-5	10/03/2017	0.151	0.00906 J	2.34	<0.060	
MW-5	03/14/2018	0.0609	<0.010	0.930	<0.030	
MW-5	09/07/2018	0.131	<0.001	2.040	0.00267 J	
MW-5	03/26/2019	0.0800	0.000443 J	2.530	<0.003	
MW-5	09/18/2019	0.0980	<0.0200	1.97	<0.0600	
MW-5	06/23/2020	0.0266	<0.0200	1.73	0.00356 J	
MW-5	09/16/2020	0.0358	<0.0200	2.12	<0.0600	
MW-5	03/25/2021	0.105	<0.0200	2.61	<0.0600	
MW-5	09/23/2021	0.0933	<0.0200	2.72	<0.0600	
MW-5	03/24/2022	0.151	<0.0500	2.51	<0.150	
MW-5	09/16/2022	0.141	<0.00100	1.14	0.00121 J	
MW-5	03/23/2023	0.0696	<0.00100	0.835	0.0152 J	
MW-5	09/22/2023	0.0474	<0.00100	0.538	0.000380 J	
MW-5	03/19/2024	0.00487	<0.00100	0.121	<0.00300	
MW-5	09/19/2024			NS		Inadequate Volume
MW-5	03/13/2025			NS		Inadequate Volume
MW-5	09/18/2025			NS		Inadequate Volume
MW-6	09/24/2009			NS		LNAPL
MW-6	03/24/2010			NS		LNAPL

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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	09/28/2010			NS		LNAPL
MW-6	04/28/2011			NS		LNAPL (2.81 feet)
MW-6	09/13/2011			NS		LNAPL (3.33 feet)
MW-6	03/05/2012			NS		LNAPL (3.1 feet)
MW-6	09/04/2012			NS		LNAPL (3.98 feet)
MW-6	02/18/2013			NS		LNAPL (2.32 feet) Active Spill Buster
MW-6	09/09/2013			NS		LNAPL (0.17 feet) Active Spill Buster
MW-6	02/25/2014			NS		LNAPL (1.99 feet) Active Spill Buster
MW-6	09/23/2014			NS		LNAPL (0.09 feet)
MW-6	02/24/2015			NS		LNAPL (0.07 feet)
MW-6	09/01/2015			NS		LNAPL (0.01 feet)
MW-6	03/24/2016			NS		LNAPL (0.13 feet)
MW-6	09/28/2016			NS		LNAPL (3.74 feet)
MW-6	03/07/2017			NS		LNAPL (0.7 feet) Active Spill Buster
MW-6	10/03/2017			NS		LNAPL (0.25 feet) Active Spill Buster
MW-6	03/14/2018			NS		LNAPL (NM) Active Spill Buster
MW-6	09/07/2018			NS		LNAPL (0.32 feet) Active Spill Buster
MW-6	03/26/2019	0.543	<0.001	0.188	<0.003	
MW-6	09/18/2019			NS		LNAPL (2.62 feet)
MW-6	06/23/2020			NS		LNAPL (3.36 feet)
MW-6	09/16/2020			NS		LNAPL (3.36 feet)
MW-6	03/25/2021			NS		LNAPL (Spill Buster)
MW-6	09/23/2021			NS		LNAPL (Spill Buster)
MW-6	03/24/2022			NS		LNAPL (Spill Buster)
MW-6	09/16/2022			NS		LNAPL (Spill Buster)
MW-6	03/23/2023			NS		LNAPL (Spill Buster)
MW-6	09/22/2023			NS		LNAPL (Spill Buster)
MW-6	03/19/2024			NS		LNAPL (Spill Buster)
MW-6	09/19/2024			NS		Inadequate Volume
MW-6	03/13/2025			NS		Inadequate Volume
MW-6	09/18/2025			NS		Inadequate Volume
MW-7	09/24/2009			NS		
MW-7	03/24/2010			NS		
MW-7	09/28/2010			NS		
MW-7	04/28/2011			NS		DRY
MW-7	09/13/2011			NS		
MW-7	03/05/2012			NS		
MW-7	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-7	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-7	09/09/2013	<0.001	<0.001	<0.001	<0.001	
MW-7	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-7	09/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-7	02/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-7	09/01/2015	<0.001	<0.001	<0.001	<0.003	
MW-7	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-7	10/12/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-7	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	03/25/2019	<0.0010	<0.0010	0.000421 J	<0.0030	
MW-7	09/18/2019			NS		Inadequate Volume
MW-7	06/24/2020			NS		Inadequate Volume
MW-7	09/16/2020			NS		Inadequate Volume
MW-7	03/25/2021			NS		Inadequate Volume
MW-7	09/23/2021			NS		Inadequate Volume

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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-7	03/24/2022	NS				Inadequate Volume
MW-7	09/16/2022	NS				Inadequate Volume
MW-7	03/23/2023	NS				Inadequate Volume
MW-7	09/22/2023	NS				Inadequate Volume
MW-7	03/19/2024	NS				Inadequate Volume
MW-7	09/19/2024	NS				Inadequate Volume
MW-7	03/13/2025	NS				Inadequate Volume
MW-7	09/18/2025	NS				Inadequate Volume
MW-8	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-8	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-8	09/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-8	04/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-8	09/12/2011	<0.005	<0.005	<0.005	<0.015	
MW-8	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-8	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-8	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-8	09/09/2013	<0.001	<0.001	<0.001	<0.001	
MW-8	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-8	09/23/2014	NS				Inaccessible
MW-8	02/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-8	09/01/2015	<0.001	<0.001	<0.001	<0.003	
MW-8	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-8	09/28/2016	NS				Well inaccessible due to flooding
MW-8	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-8	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	03/25/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	09/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	06/23/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	09/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	03/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	09/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	03/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	09/16/2022	<0.00200	<0.00100	<0.00200	<0.00300	
MW-8	03/23/2023	<0.00100	<0.00100	<0.00100	0.000281 J	
MW-8	09/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	09/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	09/18/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-9	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-9	09/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-9	04/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-9	09/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-9	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-9	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-9	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-9	09/09/2013	<0.001	<0.001	<0.001	<0.001	
MW-9	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-9	09/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-9	02/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-9	09/01/2015	<0.001	<0.001	<0.001	<0.003	
MW-9	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-9	09/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	

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NMWQCC Groundwater Standards (mg/L)		0.010	1.00	0.70	0.62	
MW-9	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-9	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	03/26/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	09/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	06/24/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	09/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	03/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	09/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	03/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	09/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	03/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	09/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	09/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	09/18/2025	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	04/30/2008	0.769	0.0457	0.0851	0.05	
MW-10	04/29/2009	0.883	0.23	0.0859	0.0759	
MW-10	09/24/2009	1.07	0.126	0.148	0.154	
MW-10	03/24/2010	1.64	0.175	0.246	0.156	
MW-10	09/28/2010	1.9	0.0547 J	0.24	0.104 J	
MW-10	04/28/2011	1.72	0.228	0.195	0.126	Duplicate Sample Collected
MW-10 (Duplicate)	04/28/2011	2.29	0.258	0.234	0.155	
MW-10	09/12/2011	1.97	0.104	0.249	0.145	Duplicate Sample Collected
MW-10 (Duplicate)	09/12/2011	2.08	0.0964	0.25	0.153	
MW-10	03/05/2012	2.2	0.11	0.23	0.13	
MW-10	09/04/2012	2.7	0.0083	0.28	0.12	
MW-10	02/18/2013	2.0	0.019	0.3	0.13	
MW-10	09/09/2013	1.6	0.022	0.26	0.11	
MW-10	02/25/2014	1.7	0.0054	0.35	0.098	
MW-10	09/23/2014	2.2	<0.005	0.53	0.15	
MW-10	02/24/2015	1.6	0.012	0.29	0.086	
MW-10	09/01/2015	1.6	0.012	0.19	0.078	
MW-10	03/24/2016	4.6	0.0068	0.22	0.054	
MW-10	09/28/2016	3.1	0.012	0.25	0.19	
MW-10	03/07/2017	3.1	0.011	0.23	0.09	
MW-10	10/03/2017	4.27	0.0202	0.311	0.158	
MW-10	03/14/2018	4.24	<0.010	0.440	0.109	
MW-10	09/07/2018	3.32	0.0274	0.332	0.155	
MW-10	03/26/2019	2.00	0.0182	0.197	0.0826	
MW-10	09/18/2019	1.66	<0.200	0.284	0.202	
MW-10	06/23/2020	2.66	0.0100 J	0.522	0.141	
MW-10	09/16/2020	2.96	<0.0200	0.500	0.119	
MW-10	03/25/2021	1.64	0.0162 J	0.221	0.0452 J	
MW-10	09/23/2021	1.52	<0.0200	0.272	0.0150 J	
MW-10	03/24/2022	1.31	0.0107 J	0.247	0.0497 J	
MW-10	09/16/2022	1.40	0.00793	0.293	0.0645	
MW-10	03/23/2023	0.20	0.0130 J	0.937	0.0121 J	
MW-10	09/22/2023	0.40	0.0209	0.154	0.03	
MW-10	03/19/2024	0.734	0.00138	0.35	0.0695	
MW-10	09/19/2024	0.277	0.025	0.538	0.0351 J	
MW-10	03/13/2025	0.532	0.0164 J	0.248	0.0766	
MW-10	09/18/2025	1.550	<0.025	0.538	0.310	
MW-10 (Duplicate)	09/18/2025	1.760	0.00289 J	0.55	0.321	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
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-10D	04/30/2008	0.195	0.0677	0.0144	0.0221	
MW-10D	04/29/2009	0.179	0.0772	0.0203	0.0296	
MW-10D	09/24/2009	0.103	0.0496	0.0127	0.0261	
MW-10D	03/24/2010	0.196	0.0703	0.0129	0.0202	
MW-10D	09/28/2010	0.0402	0.0358	0.006	0.0077 J	
MW-10D	04/28/2011	0.0512	0.0373	0.0063	0.0113	
MW-10D	09/12/2011	0.0278	0.0131	0.0032	0.006	
MW-10D	03/05/2012	0.024	0.0081	<0.005	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	03/05/2012	0.022	0.0089	<0.005	<0.015	
MW-10D	09/04/2012	0.023	0.0057	<0.005	<0.015	
MW-10D	02/18/2013	0.034	0.014	0.0023	0.0031	
MW-10D	09/09/2013	0.034	0.019	<0.005	<0.005	
MW-10D	02/25/2014	0.046	0.021	0.005	<0.005	Duplicate Sample Collected
MW-10D (Duplicate)	02/25/2014	0.043	0.019	<0.005	<0.005	
MW-10D	09/23/2014	0.059	0.024	<0.005	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	09/23/2014	0.058	0.024	<0.005	<0.015	
MW-10D	02/24/2015	0.062	0.026	0.008	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	02/24/2015	0.058	0.024	0.0074	<0.015	
MW-10D	09/01/2015	0.062	0.025	0.006	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	09/01/2015	0.065	0.026	0.0075	<0.015	
MW-10D	03/24/2016	0.079	0.021	0.021	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	03/24/2016	0.079	0.019	0.013	<0.015	
MW-10D	09/28/2016	0.024	0.013	<0.0050	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	09/28/2016	0.025	0.013	<0.0050	<0.015	
MW-10D	03/07/2017	0.15	0.017	0.026	0.0072	Duplicate Sample Collected
MW-10D (Duplicate)	03/07/2017	0.15	0.016	0.025	0.0066	
MW-10D	10/03/2017	0.0510	0.0153	<0.010	<0.030	Duplicate Sample Collected
MW-10D (Duplicate)	10/03/2017	0.0614	0.020	<0.020	<0.060	
MW-10D	03/14/2018	0.116	0.0178	0.0194	0.00472	Duplicate Sample Collected
MW-10D (Duplicate)	03/14/2018	0.104	0.0169	0.0176	<0.0150	
MW-10D	09/07/2018	0.0499	0.0163	0.00769	0.0033	Duplicate Sample Collected
MW-10D (Duplicate)	09/07/2018	0.0497	0.0181	0.00899	0.00384	
MW-10D	03/26/2019	0.047	0.0126	0.00647	0.00238 J	Duplicate Sample Collected
MW-10D (Duplicate)	03/26/2019	0.0477	0.0124	0.00642	0.00227 J	
MW-10D	09/18/2019	0.0588	0.0119	0.0182	0.00272 J	Duplicate Sample Collected
MW-10D (Duplicate)	09/18/2019	0.0574	0.0116	0.0185	0.00264 J	
MW-10D	06/23/2020	0.0297	0.0151	0.00472	0.00318	Duplicate Sample Collected
MW-10D (Duplicate)	06/23/2020	0.0290	0.0145	0.00418	0.00323	
MW-10D	09/16/2020	0.0466	0.0138	0.0103	0.00248 J	Duplicate Sample Collected
MW-10D (Duplicate)	09/16/2020	0.0523	0.0124	0.0129	0.00261 J	
MW-10D	03/25/2021	0.0318	0.0153	0.00399	0.00328	Duplicate Sample Collected
MW-10D (Duplicate)	03/25/2021	0.0322	0.0148	0.00418	0.0034	
MW-10D	09/23/2021	0.0227	0.0117	0.0036	0.00328	Duplicate Sample Collected
MW-10D (Duplicate)	09/23/2021	0.0221	0.0116	0.00361	0.00325	
MW-10D	03/24/2022	0.0276	0.0201	0.00333	0.00513	Duplicate Sample Collected
MW-10D (Duplicate)	03/24/2022	0.0285	0.0212	0.00347	0.00498	
MW-10D	09/16/2022	0.0201	0.0134 J	0.00341 J	<0.0600	Duplicate Sample Collected
MW-10D (Duplicate)	09/16/2022	0.0196 J	0.0146 J	<0.0250	<0.0750	
MW-10D	03/23/2023	0.0237	0.0163	0.00303 J	0.00452 J	Duplicate Sample Collected
MW-10D (Duplicate)	03/23/2023	0.222	0.0128	0.00248	0.00372	
MW-10D	09/22/2023	0.0446	0.0178	0.00514	0.00499	Duplicate Sample Collected
MW-10D (Duplicate)	09/22/2023	0.0484	0.000337	0.559	0.000662	
MW-10D	03/19/2024	0.0196	0.0135	0.00195 J	<0.00300	Duplicate Sample Collected
MW-10D (Duplicate)	03/19/2024	0.0224	0.016	0.00253 J	0.00239 J	
MW-10D	09/19/2024	0.0334	0.0152	0.00564 J	0.00585 J	Duplicate Sample Collected
MW-10D (Duplicate)	09/19/2024	0.0305	0.0138	0.00519	0.00575	
MW-10D	03/13/2025	0.0433	0.0167	0.00638 J	0.00467 J	Duplicate Sample Collected

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
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-10D (Duplicate)	03/13/2025	0.0427	0.0161	0.00583 J	0.00519 J	
MW-10D	09/18/2025	0.0157	0.00783 J	0.00400 J	<0.0300	Duplicate Sample Collected
MW-11	04/29/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-11	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-11	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-11	09/28/2010	0.0036	<0.002	<0.002	0.004	
MW-11	04/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-11	09/12/2001	<0.001	<0.002	<0.002	<0.004	
MW-11	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-11	09/04/2012	<0.005	<0.005	<0.005	<0.015	
MW-11	02/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-11	09/09/2013	<0.001	<0.001	<0.001	0.0033	
MW-11	02/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-11	09/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-11	02/24/2015	0.0019	<0.001	<0.001	<0.003	
MW-11	09/01/2015	0.019	<0.001	<0.001	0.0031	
MW-11	03/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-11	09/28/2016	0.0036	<0.0010	<0.0010	<0.0030	
MW-11	03/07/2017	0.0081	<0.0010	<0.0010	0.0017	
MW-11	10/03/2017	0.000951 J	<0.0010	<0.0010	<0.0030	
MW-11	03/14/2018	0.00385	<0.0010	<0.0010	<0.0030	
MW-11	09/07/2018	0.000467 J	<0.0010	<0.0010	<0.0030	
MW-11	03/26/2019	0.0135	0.00082 J	<0.0010	<0.0030	
MW-11	09/18/2019	0.0207	0.00138	0.000459 J	0.00166 J	
MW-11	06/23/2020	0.0500	0.00263	0.000628 J	0.00211 J	
MW-11	09/16/2020	0.0148	0.00138	0.000301 J	0.000603 J	
MW-11	03/25/2021	0.0227	0.000762 J	0.000310 J	0.00150 J	
MW-11	09/23/2021	0.0178	0.000671 J	0.000456 J	0.00147 J	
MW-11	03/24/2022	0.00411	<0.00100	<0.00100	0.000315 J	
MW-11	09/16/2022	NS				LNAPL (1.30 feet)
MW-11	03/23/2023	NS				LNAPL
MW-11	09/22/2023	NS				LNAPL
MW-11	03/19/2024	NS				LNAPL (1.16 feet)
MW-11	09/19/2024	NS				LNAPL (0.95 feet)
MW-11	03/13/2025	NS				LNAPL (0.53 feet)
MW-11	09/18/2025	NS				LNAPL (0.46 feet)
MW-13	04/29/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-13	09/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-13	03/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-13	09/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-13	04/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-13	09/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-13	03/05/2012	<0.005	<0.005	<0.005	<0.015	
MW-13	Well removed from site sampling plan					Well Destroyed
Trip Blank	02/25/2014	<0.001	<0.001	<0.001	<0.001	
Trip Blank	09/23/2014	<0.001	<0.001	<0.001	<0.003	
Trip Blank	02/24/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	09/01/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	03/24/2016	<0.001	<0.001	<0.001	<0.003	
Trip Blank	09/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/07/2017	<0.0010	<0.0010	<0.0010	<0.0010	
Trip Blank	10/03/2017	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	09/07/2018	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/26/2019	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
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	09/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	06/24/2020	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	09/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	09/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	03/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	09/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	09/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	09/19/2024	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	03/13/2025	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	09/18/2025	NS				No Trip Blanks Included in Shipment

Notes:

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

(<) = Analytical result is less than the indicated laboratory RDL.

BTEX = Benzene, toluene, ethylbenzene, total xylenes

J = A qualifier indicating an estimated value of a concentration above the laboratory MDL but below the RDL.

LNAPL = Light non-aqueous phase liquid

MDL = Method detection limit

mg/L = Milligrams per liter

NMWQCC = New Mexico Water Quality Control Commission

NS = Not Sampled

RDL = Reported detection limit

Appendix B
NMOCD Sampling Notifications

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

QUESTIONS

Action 439589

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 439589
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAUTOFGP000132
Incident Name	NAUTOFGP000132 DCP LINAM RANCH GP @ 0
Incident Type	Release Other
Incident Status	Closure Not Approved
Incident Facility	[fGP0000000012] DCP LINAM RANCH GP

Location of Release Source	
Site Name	DCP LINAM RANCH GP
Date Release Discovered	03/26/1984
Surface Owner	Unavailable.

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,690,000
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
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	32.696046 -103.288282

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

CONDITIONS

Action 439589

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 439589
	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.	3/6/2025

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<https://www.emnrd.nm.gov/oecd/contact-us>

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

QUESTIONS

Action 504280

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 504280
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAUTOFGP000132
Incident Name	NAUTOFGP000132 DCP LINAM RANCH GP @ 0
Incident Type	Release Other
Incident Status	Closure Not Approved
Incident Facility	[fGP00000000012] DCP LINAM RANCH GP

Location of Release Source	
Site Name	DCP LINAM RANCH GP
Date Release Discovered	03/26/1984
Surface Owner	Unavailable.

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,690,000
What is the estimated number of samples that will be gathered	12
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/18/2025
Time sampling will commence	08:00 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	GPS: 32.695759 -103.288254

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

Action 504280

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 504280
	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.	9/9/2025
knorman	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	9/9/2025



ANALYTICAL REPORT

March 20, 2025

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Phillips 66 - Tasman

Sample Delivery Group: L1836495
Samples Received: 03/14/2025
Project Number: 400128006
Description: Linam Ranch

Report To: Steve Weathers
4725 Independence St
Wheat Ridge, CO 80033

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Chris Ward".

Chris Ward
Project Manager

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

Pace Analytical National

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

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
MW-3 L1836495-01	5	
MW-8 L1836495-02	6	⁴ Cn
MW-9 L1836495-03	7	⁵ Sr
MW-10 L1836495-04	8	
MW-10D L1836495-05	9	⁶ Qc
DUPLICATE L1836495-06	10	
TRIP BLANK L1836495-07	11	⁷ Gl
Qc: Quality Control Summary	12	⁸ Al
Volatile Organic Compounds (GC/MS) by Method 8260B	12	
Gl: Glossary of Terms	15	⁹ Sc
Al: Accreditations & Locations	16	
Sc: Sample Chain of Custody	17	

MW-3 L1836495-01 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470198	1	03/17/25 02:03	03/17/25 02:03	DWR	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 09:28

Received date/time
03/14/25 09:00

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

MW-8 L1836495-02 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470198	1	03/17/25 02:23	03/17/25 02:23	DWR	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 09:18

Received date/time
03/14/25 09:00

MW-9 L1836495-03 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470198	1	03/17/25 02:43	03/17/25 02:43	DWR	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 09:41

Received date/time
03/14/25 09:00

MW-10 L1836495-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470198	25	03/17/25 03:03	03/17/25 03:03	DWR	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 10:28

Received date/time
03/14/25 09:00

MW-10D L1836495-05 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470567	10	03/17/25 19:06	03/17/25 19:06	WHS	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 10:05

Received date/time
03/14/25 09:00

DUPLICATE L1836495-06 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470567	10	03/17/25 19:27	03/17/25 19:27	WHS	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 00:00

Received date/time
03/14/25 09:00

TRIP BLANK L1836495-07 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2470214	1	03/16/25 20:14	03/16/25 20:14	WHS	Mt. Juliet, TN

Collected by
Kendon Stark

Collected date/time
03/13/25 00:00

Received date/time
03/14/25 09:00

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
Project Manager

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

Collected date/time: 03/13/25 09:28

L1836495

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	03/17/2025 02:03	WG2470198
Toluene	U		0.278	1.00	1	03/17/2025 02:03	WG2470198
Ethylbenzene	U		0.137	1.00	1	03/17/2025 02:03	WG2470198
Total Xylenes	U		0.174	3.00	1	03/17/2025 02:03	WG2470198
(S) Toluene-d8	89.5			80.0-120		03/17/2025 02:03	WG2470198
(S) 4-Bromofluorobenzene	97.5			77.0-126		03/17/2025 02:03	WG2470198
(S) 1,2-Dichloroethane-d4	87.2			70.0-130		03/17/2025 02:03	WG2470198

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 03/13/25 09:18

L1836495

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	03/17/2025 02:23	WG2470198
Toluene	U		0.278	1.00	1	03/17/2025 02:23	WG2470198
Ethylbenzene	U		0.137	1.00	1	03/17/2025 02:23	WG2470198
Total Xylenes	U		0.174	3.00	1	03/17/2025 02:23	WG2470198
(S) Toluene-d8	88.6			80.0-120		03/17/2025 02:23	WG2470198
(S) 4-Bromofluorobenzene	99.4			77.0-126		03/17/2025 02:23	WG2470198
(S) 1,2-Dichloroethane-d4	90.6			70.0-130		03/17/2025 02:23	WG2470198

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 03/13/25 09:41

L1836495

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	03/17/2025 02:43	WG2470198
Toluene	U		0.278	1.00	1	03/17/2025 02:43	WG2470198
Ethylbenzene	U		0.137	1.00	1	03/17/2025 02:43	WG2470198
Total Xylenes	U		0.174	3.00	1	03/17/2025 02:43	WG2470198
(S) Toluene-d8	87.4			80.0-120		03/17/2025 02:43	WG2470198
(S) 4-Bromofluorobenzene	100			77.0-126		03/17/2025 02:43	WG2470198
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		03/17/2025 02:43	WG2470198

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

Collected date/time: 03/13/25 10:28

L1836495

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	532		2.35	25.0	25	03/17/2025 03:03	WG2470198
Toluene	16.4	J	6.95	25.0	25	03/17/2025 03:03	WG2470198
Ethylbenzene	248		3.43	25.0	25	03/17/2025 03:03	WG2470198
Total Xylenes	76.6		4.35	75.0	25	03/17/2025 03:03	WG2470198
(S) Toluene-d8	87.9			80.0-120		03/17/2025 03:03	WG2470198
(S) 4-Bromofluorobenzene	99.9			77.0-126		03/17/2025 03:03	WG2470198
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		03/17/2025 03:03	WG2470198

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 03/13/25 10:05

L1836495

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	43.3		0.941	10.0	10	03/17/2025 19:06	WG2470567
Toluene	16.7		2.78	10.0	10	03/17/2025 19:06	WG2470567
Ethylbenzene	6.38	J	1.37	10.0	10	03/17/2025 19:06	WG2470567
Total Xylenes	4.67	J	1.74	30.0	10	03/17/2025 19:06	WG2470567
(S) Toluene-d8	100			80.0-120		03/17/2025 19:06	WG2470567
(S) 4-Bromofluorobenzene	117			77.0-126		03/17/2025 19:06	WG2470567
(S) 1,2-Dichloroethane-d4	97.7			70.0-130		03/17/2025 19:06	WG2470567

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 03/13/25 00:00

L1836495

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	42.7		0.941	10.0	10	03/17/2025 19:27	WG2470567
Toluene	16.1		2.78	10.0	10	03/17/2025 19:27	WG2470567
Ethylbenzene	5.83	J	1.37	10.0	10	03/17/2025 19:27	WG2470567
Total Xylenes	5.19	J	1.74	30.0	10	03/17/2025 19:27	WG2470567
(S) Toluene-d8	100			80.0-120		03/17/2025 19:27	WG2470567
(S) 4-Bromofluorobenzene	114			77.0-126		03/17/2025 19:27	WG2470567
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		03/17/2025 19:27	WG2470567

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 03/13/25 00:00

L1836495

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	03/16/2025 20:14	WG2470214
Toluene	U		0.278	1.00	1	03/16/2025 20:14	WG2470214
Ethylbenzene	U		0.137	1.00	1	03/16/2025 20:14	WG2470214
Total Xylenes	U		0.174	3.00	1	03/16/2025 20:14	WG2470214
(S) Toluene-d8	103			80.0-120		03/16/2025 20:14	WG2470214
(S) 4-Bromofluorobenzene	100			77.0-126		03/16/2025 20:14	WG2470214
(S) 1,2-Dichloroethane-d4	114			70.0-130		03/16/2025 20:14	WG2470214

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1836495-01,02,03,04

Method Blank (MB)

(MB) R4187180-3 03/16/25 16:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	87.3			80.0-120
(S) 4-Bromofluorobenzene	98.6			77.0-126
(S) 1,2-Dichloroethane-d4	93.0			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

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

(LCS) R4187180-1 03/16/25 15:08 • (LCSD) R4187180-2 03/16/25 15:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.99	5.94	120	119	70.0-123			0.838	20
Toluene	5.00	4.85	4.81	97.0	96.2	79.0-120			0.828	20
Ethylbenzene	5.00	4.73	4.66	94.6	93.2	79.0-123			1.49	20
Total Xylenes	15.0	14.1	13.7	94.0	91.3	79.0-123			2.88	20
(S) Toluene-d8				86.5	85.5	80.0-120				
(S) 4-Bromofluorobenzene				99.9	98.3	77.0-126				
(S) 1,2-Dichloroethane-d4				93.1	92.5	70.0-130				

⁷Gl

⁸Al

⁹Sc

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

L1836495-07

Method Blank (MB)

(MB) R4188435-3 03/16/25 18:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	106			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

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

(LCS) R4188435-1 03/16/25 17:39 • (LCSD) R4188435-2 03/16/25 18:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.90	5.08	98.0	102	70.0-123			3.61	20
Toluene	5.00	4.85	5.09	97.0	102	79.0-120			4.83	20
Ethylbenzene	5.00	4.78	4.97	95.6	99.4	79.0-123			3.90	20
Total Xylenes	15.0	14.4	15.4	96.0	103	79.0-123			6.71	20
(S) Toluene-d8				103	105	80.0-120				
(S) 4-Bromofluorobenzene				104	104	77.0-126				
(S) 1,2-Dichloroethane-d4				112	112	70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

W02470567

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

L1836495-05.06

Method Blank (MB)

(MB) R4187809-2 03/17/25 16:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	98.6			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4187809-1 03/17/25 15:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.40	88.0	70.0-123	
Toluene	5.00	4.47	89.4	79.0-120	
Ethylbenzene	5.00	4.35	87.0	79.0-123	
Total Xylenes	15.0	14.1	94.0	79.0-123	
(S) Toluene-d8			102	80.0-120	
(S) 4-Bromofluorobenzene			112	77.0-126	
(S) 1,2-Dichloroethane-d4			95.9	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.

QualifierDescription

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

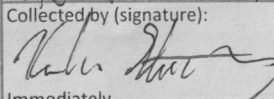
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia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

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

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

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

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

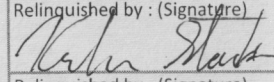
Company Name/Address: Phillips 66 - Tasman 2620 W. Marland Blvd Hobbs, NM 88240		Billing Information: Steve Weathers 370 17th St, Ste 2500 Denver, CO 80202		Pres Cnk 		Analysis / Container / Preservative										Chain of Custody Page ____ of ____  MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 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					
Report to: Steve Weathers 575-318-5017		Email To: Stephen.Weathers@p66.com;knorman@tasma		V8260BTEX 40mlAmb-HCl V8260BTEX 40mlAmb-HCl-BLK												SDG # 1836495 B132					
Project Description: Linam Ranch		City/State Collected:														Please Circle: PT MT CT ET		Acctnum: DCPTASMAN Template: T127845 Prelogin: P1136458 PM: 824 - Chris Ward PB:			
Regulatory Program(DOD,RCRA,DW,etc):		Client Project #														Lab Project # DCPTASMAN-LINAM		Quote #		Shipped Via: FedEx Ground	
Collected by (print): Hendon Stark		Site/Facility ID #														P.O. # 4301459768		Date Results Needed		No. of Cntrs	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Date Results Needed		No. of Cntrs		Remarks		Sample # (lab only)											
Immediately Packed on Ice N ☐ Y ☐		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		No. of Cntrs							
MW-1		GW		NA		3/13/25		09:28		3		X		-01							
MW-2		GW		NA		3/13/25		09:28		3		X		-02							
MW-3		Grab		GW		NA		3/13/25		09:28		3		X							
MW-4		GW		NA		3/13/25		09:28		3		X		-03							
MW-5		GW		NA		3/13/25		09:28		3		X		-04							
MW-6		GW		NA		3/13/25		09:28		3		X		-05							
MW-7		GW		NA		3/13/25		09:28		3		X		-06							
MW-8		GW		NA		3/13/25		09:28		3		X		-07							
MW-9		GW		NA		3/13/25		09:28		3		X		-08							
MW-10		GW		NA		3/13/25		09:28		3		X		-09							

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

Remarks:

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking # **4171 6905 6159**

Relinquished by: (Signature) 		Date: 3/13/25		Time: 11:16		Received by: (Signature)		Trip Blank Received: Yes / No ☒ HCL / MeOH ☐ TBR	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: 19.9°C Bottles Received: 15 to 19 18	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) Alexa Mitchem		Date: 3/14/25 Time: 0900	

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N

COC Signed/Accurate: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

If Applicable

VOA Zero Headpace: ☒ Y ☐ N

Preservation Correct/Checked: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Company Name/Address: Phillips 66 - Tasman 2620 W. Marland Blvd Hobbs, NM 88240				Billing Information: Steve Weathers 370 17th St, Ste 2500 Denver, CO 80202				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page ____ of ____  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/hubs/pas-standard-terms.pdf					
Report to: Steve Weathers 575-318-5017				Email To: Stephen.Weathers@p66.com;knorman@tasman																					
Project Description: Linam Ranch				City/State Collected:				Please Circle: PT MT CT ET																	
Regulatory Program(DOD,RCRA,DW,etc):				Client Project #				Lab Project # DCPTASMAN-LINAM																	
Collected by (print): <i>Hendon Stark</i>				Site/Facility ID #				P.O. # 4301459768																	
Collected by (signature): <i>[Signature]</i>				Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT				Quote #																	
Packed on Ice N ☐ Y ☒								Date Results Needed																	
Sample ID				Comp/Grab		Matrix *		Depth		Date		Time		No. of Cntrs											
MW-1 MW-10P				Grab		GW		NA		3/13/25		10:05		3		X									
MW-2 Duplicate				↓		GW		↓		↓		NA		3		X									
MW-3 Trip Blank				NA		GW		NA		↓		NA		3		X									
MW-4						GW						3		X											
MW-5						GW						3		X											
MW-6						GW						3		X											
MW-7						GW						3		X											
MW-8						GW						3		X											
MW-9						GW						3		X											
MW-10						GW						3		X											

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

Remarks:

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking # **4171 6901 6159**

Relinquished by (Signature): <i>[Signature]</i>		Date: 3/15/25		Time: 11:16		Received by: (Signature):		Trip Blank Received: Yes / No ☒ HCL / MeOH ☐ TBR	
Relinquished by (Signature):		Date:		Time:		Received by: (Signature):		Temp: TA9c 1.5 ± 0.4 = 1.9 10	
Relinquished by (Signature):		Date:		Time:		Received for lab by: (Signature): Alexa Mitche		Date: 3/14/25 Time: 0900	

Shipped Via: **FedEX Ground**

Remarks: **-05**
-06
-07

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



ANALYTICAL REPORT

September 29, 2025

Phillips 66 - Tasman

Sample Delivery Group: L1900106
Samples Received: 09/19/2025
Project Number: 400128006
Description: Linam Ranch

Report To: Steve Weathers
4725 Independence St
Wheat Ridge, CO 80033

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Mandi Edwards".

Mandi Edwards
Project Manager

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

Pace Analytical National

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

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
MW-2 L1900106-01	5	
MW-8 L1900106-02	6	⁴ Cn
MW-9 L1900106-03	7	⁵ Sr
MW-10 L1900106-04	8	
MW-10D L1900106-05	9	⁶ Qc
DUPLICATE L1900106-06	10	
Qc: Quality Control Summary	11	⁷ Gl
Volatile Organic Compounds (GC/MS) by Method 8260D	11	⁸ Al
Gl: Glossary of Terms	13	
Al: Accreditations & Locations	14	⁹ Sc
Sc: Sample Chain of Custody	15	

MW-2 L1900106-01

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2605248	1	09/21/25 18:41	09/21/25 18:41	DYW	Mt. Juliet, TN

Collected by
Kaleb Johnston

Collected date/time
09/18/25 13:12

Received date/time
09/19/25 09:30

1
Cp

2
Tc

3
Ss

MW-8 L1900106-02

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2605248	1	09/21/25 19:01	09/21/25 19:01	DYW	Mt. Juliet, TN

Collected by
Kaleb Johnston

Collected date/time
09/18/25 09:40

Received date/time
09/19/25 09:30

4
Cn

5
Sr

MW-9 L1900106-03

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2605248	1	09/21/25 19:21	09/21/25 19:21	DYW	Mt. Juliet, TN

Collected by
Kaleb Johnston

Collected date/time
09/18/25 13:03

Received date/time
09/19/25 09:30

6
Qc

7
Gl

8
Al

MW-10 L1900106-04

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2608446	25	09/26/25 16:17	09/26/25 16:17	JHH	Mt. Juliet, TN

Collected by
Kaleb Johnston

Collected date/time
09/18/25 11:45

Received date/time
09/19/25 09:30

9
Sc

MW-10D L1900106-05

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2605248	10	09/21/25 20:41	09/21/25 20:41	DYW	Mt. Juliet, TN

Collected by
Kaleb Johnston

Collected date/time
09/18/25 11:20

Received date/time
09/19/25 09:30

DUPLICATE L1900106-06

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2605248	10	09/21/25 21:01	09/21/25 21:01	DYW	Mt. Juliet, TN

Collected by
Kaleb Johnston

Collected date/time
09/18/25 00:00

Received date/time
09/19/25 09:30

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.



Mandi Edwards
Project Manager

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

Collected date/time: 09/18/25 13:12

L1900106

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.320	1.00	1	09/21/2025 18:41	WG2605248
Toluene	U		0.274	1.00	1	09/21/2025 18:41	WG2605248
Ethylbenzene	U		0.234	1.00	1	09/21/2025 18:41	WG2605248
Total Xylenes	U		0.319	3.00	1	09/21/2025 18:41	WG2605248
(S) Toluene-d8	96.1			80.0-120		09/21/2025 18:41	WG2605248
(S) 4-Bromofluorobenzene	93.8			77.0-126		09/21/2025 18:41	WG2605248
(S) 1,2-Dichloroethane-d4	103			70.0-130		09/21/2025 18:41	WG2605248

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 09/18/25 09:40

L1900106

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.320	1.00	1	09/21/2025 19:01	WG2605248
Toluene	U		0.274	1.00	1	09/21/2025 19:01	WG2605248
Ethylbenzene	U		0.234	1.00	1	09/21/2025 19:01	WG2605248
Total Xylenes	U		0.319	3.00	1	09/21/2025 19:01	WG2605248
(S) Toluene-d8	96.7			80.0-120		09/21/2025 19:01	WG2605248
(S) 4-Bromofluorobenzene	98.3			77.0-126		09/21/2025 19:01	WG2605248
(S) 1,2-Dichloroethane-d4	101			70.0-130		09/21/2025 19:01	WG2605248

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 09/18/25 13:03

L1900106

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.320	1.00	1	09/21/2025 19:21	WG2605248
Toluene	U		0.274	1.00	1	09/21/2025 19:21	WG2605248
Ethylbenzene	U		0.234	1.00	1	09/21/2025 19:21	WG2605248
Total Xylenes	U		0.319	3.00	1	09/21/2025 19:21	WG2605248
(S) Toluene-d8	96.3			80.0-120		09/21/2025 19:21	WG2605248
(S) 4-Bromofluorobenzene	99.0			77.0-126		09/21/2025 19:21	WG2605248
(S) 1,2-Dichloroethane-d4	102			70.0-130		09/21/2025 19:21	WG2605248

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 09/18/25 11:45

L1900106

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	1550		8.00	25.0	25	09/26/2025 16:17	WG2608446
Toluene	U		6.85	25.0	25	09/26/2025 16:17	WG2608446
Ethylbenzene	538		5.85	25.0	25	09/26/2025 16:17	WG2608446
Total Xylenes	310		7.97	75.0	25	09/26/2025 16:17	WG2608446
(S) Toluene-d8	104			80.0-120		09/26/2025 16:17	WG2608446
(S) 4-Bromofluorobenzene	91.1			77.0-126		09/26/2025 16:17	WG2608446
(S) 1,2-Dichloroethane-d4	103			70.0-130		09/26/2025 16:17	WG2608446

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 09/18/25 11:20

L1900106

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	15.7		3.20	10.0	10	09/21/2025 20:41	WG2605248
Toluene	7.83	J	2.74	10.0	10	09/21/2025 20:41	WG2605248
Ethylbenzene	4.00	J	2.34	10.0	10	09/21/2025 20:41	WG2605248
Total Xylenes	U		3.19	30.0	10	09/21/2025 20:41	WG2605248
(S) Toluene-d8	93.9			80.0-120		09/21/2025 20:41	WG2605248
(S) 4-Bromofluorobenzene	99.2			77.0-126		09/21/2025 20:41	WG2605248
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		09/21/2025 20:41	WG2605248

Sample Narrative:

L1900106-05 WG2605248: Non-target compounds too high to run at a lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 09/18/25 00:00

L1900106

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	1760		3.20	10.0	10	09/21/2025 21:01	WG2605248
Toluene	2.89	J	2.74	10.0	10	09/21/2025 21:01	WG2605248
Ethylbenzene	550		2.34	10.0	10	09/21/2025 21:01	WG2605248
Total Xylenes	321		3.19	30.0	10	09/21/2025 21:01	WG2605248
(S) Toluene-d8	97.2			80.0-120		09/21/2025 21:01	WG2605248
(S) 4-Bromofluorobenzene	100			77.0-126		09/21/2025 21:01	WG2605248
(S) 1,2-Dichloroethane-d4	95.2			70.0-130		09/21/2025 21:01	WG2605248

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1900106-01,02,03,05,06

Method Blank (MB)

(MB) R4278621-3 09/21/25 14:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.320	1.00
Toluene	U		0.274	1.00
Ethylbenzene	U		0.234	1.00
Total Xylenes	U		0.319	3.00
(S) Toluene-d8	96.0			80.0-120
(S) 4-Bromofluorobenzene	92.9			77.0-126
(S) 1,2-Dichloroethane-d4	98.4			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4278621-1 09/21/25 13:37 • (LCSD) R4278621-2 09/21/25 13:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	10.0	9.10	9.05	91.0	90.5	70.0-123			0.551	20
Toluene	10.0	8.41	8.30	84.1	83.0	79.0-120			1.32	20
Ethylbenzene	10.0	8.59	8.47	85.9	84.7	79.0-123			1.41	20
Total Xylenes	30.0	25.2	24.7	84.0	82.3	79.0-123			2.00	20
(S) Toluene-d8				95.9	93.4	80.0-120				
(S) 4-Bromofluorobenzene				97.0	94.0	77.0-126				
(S) 1,2-Dichloroethane-d4				102	100	70.0-130				

L1899960-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899960-03 09/21/25 16:41 • (MS) R4278621-4 09/21/25 22:01 • (MSD) R4278621-5 09/21/25 22:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	10.0	U	12.3	11.3	123	113	1	17.0-158			8.47	27
Toluene	10.0	U	11.3	10.4	113	104	1	26.0-154			8.29	28
Ethylbenzene	10.0	U	11.8	10.8	118	108	1	30.0-155			8.85	27
Total Xylenes	30.0	U	34.5	31.8	115	106	1	29.0-154			8.14	28
(S) Toluene-d8					93.6	93.6		80.0-120				
(S) 4-Bromofluorobenzene					94.0	95.1		77.0-126				
(S) 1,2-Dichloroethane-d4					103	105		70.0-130				

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

L1900106-04

Method Blank (MB)

(MB) R4279032-3 09/26/25 11:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.320	1.00
Toluene	U		0.274	1.00
Ethylbenzene	U		0.234	1.00
Total Xylenes	U		0.319	3.00
(S) Toluene-d8	102			80.0-120
(S) 4-Bromofluorobenzene	91.5			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

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

(LCS) R4279032-1 09/26/25 10:41 • (LCSD) R4279032-2 09/26/25 11:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	10.0	9.80	9.74	98.0	97.4	70.0-123			0.614	20
Toluene	10.0	10.2	10.4	102	104	79.0-120			1.94	20
Ethylbenzene	10.0	10.2	10.1	102	101	79.0-123			0.985	20
Total Xylenes	30.0	29.9	30.5	99.7	102	79.0-123			1.99	20
(S) Toluene-d8				101	103	80.0-120				
(S) 4-Bromofluorobenzene				91.2	97.6	77.0-126				
(S) 1,2-Dichloroethane-d4				105	107	70.0-130				

7
Gl

8
Al

9
Sc

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.

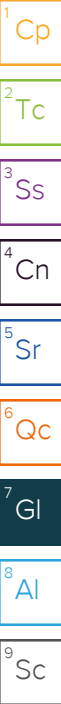
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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.
---	---



Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

CONDITIONS

Action 564623

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 564623
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	7/7/2026
amaxwell	Continue semi-annual groundwater monitoring and sampling.	7/7/2026
amaxwell	Submit a C-141N for all monitoring and sampling events.	7/7/2026
amaxwell	Continue LNAPL recovery at monitoring well MW-11.	7/7/2026
amaxwell	Consider installation of a monitoring well to replace MW-3 as it has insufficient groundwater volume for sampling due to ongoing dry conditions and regional decline in shallow water levels.	7/7/2026
amaxwell	Submit annual report by April 1, 2027.	7/7/2026