2023 Annual Groundwater Monitoring Summary Report

Linam Ranch Natural Gas Plant
Lea County, New Mexico
GW-015

REVIEWED
By Mike Buchanan at 10:41 am, Jun 17, 2024

Review of the 2023 Annual Groundwater Monitoring Summary Report for Linam Ranch Natural Gas Plant: Content Satisfactory
1. Continue to collect groundwater samples on a semi-annual basis until COCs start to demonstrate concentrations below the WQCC human health standards, then schedule to quarterly sampling events.
2. Continue LNAPL recovery in wells that have accumulated sufficient volume for removal.
3. Submit the 2024 Annual Report by April 1, 2025.

Incident Number:

nAUTOfGP000132

Prepared for:

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Prepared by:

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March 12, 2024

Table of Contents

1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the 2023 calendar year at the Linam Ranch Natural Gas Plant (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream (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 22 and September 22, 2023. The data collected was used to develop the groundwater elevation map and analytical results figure presented herein.

2. Site Location and Background

The Site is located in New Mexico Oil Conservation Division (OCD) 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 OCD subsequently requested a work plan to completely define the extent of groundwater contamination at the plant. In October 1995, the OCD 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).

There are currently twelve groundwater monitoring wells at the Site: 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 wells were installed between 1991 and 1995.

3. Groundwater Monitoring

This section describes the groundwater field and laboratory activities performed during the semi-annual monitoring events on March 22 and September 22, 2023. 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 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 all 11 of the 12 Site monitoring wells with a Spill Buster preventing accurate measurement at MW-6.

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 [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, indicates that groundwater flow at the Site trends generally to the southeast. 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

	March	September
Maximum Elevation (Well ID)	3668.10 (MW-4)	3670.92 (MW-1)
Minimum Elevation (Well ID)	3662.80 (MW-3)	3662.28 (MW-3)
Potentiometric Surface Average Change	-1.00	0.34
Hydraulic Gradient (ft/ft)	0.000885	0.000981

Measurable LNAPL was observed at monitor wells MW-4, MW-6 and MW-11 during one or more of the monitoring events. A sheen was observed monitor wells MW-9 and MW-10D during the March monitoring event.

3.2 Groundwater Quality Monitoring

After recording groundwater level measurements, groundwater samples were collected from each on-site monitor well. Monitor wells MW-4 and MW-11 were not sampled due to the presence of LNAPL. Monitor well MW-6 was not sampled due to the presence of an active spill buster. Monitor well MW-2 was not sampled during either sampling event due to an insufficient amount of water needed for sample collection. Monitor well MW-7 was not sampled and has been dry since 2020.

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 (4) 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 United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the reporting period. Historical analytical results up to and including the September 22, 2023 event are included in Appendix A, and the laboratory analytical reports for each event are included in Appendix B. Analytical results are displayed on Figures 4 and 5 and NMOCD sampling notifications are provided as Appendix C.

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-5, MW-10, and MW-10D. Concentrations ranged from 0.0237 mg/L at monitor well MW-10D during the March event to 0.401 mg/L in monitor well MW-10 during the September event.
- Ethylbenzene was detected in exceedance of the NMWQCC standard of 0.70 mg/L during the March sampling event in monitoring well MW-5 (0.835 mg/L) and MW-10 (0.937 mg/L).
- Toluene and total xylenes were not detected at concentrations greater than their respective NMWQCC standards during the 2023 monitoring period.

3.3 Data Quality Assurance / Quality Control

A trip blank and field duplicate sample (MW-10D) were collected during each of the 2023 monitoring events. 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. 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 2023 include the following:

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

	Parent Sample (mg/L)	Duplicate Sample (mg/L)	RPD
March	0.0237	0.0222	6.54%
September	0.0446	0.0484	8.17%

The overall QA/QC assessment, based on the data review, indicate that data precision and accuracy are acceptable.

4. 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 well at that time. Due to the presence of LNAPL observed at this location during the second half 2019, the Spill Buster was re-initiated on September 18, 2019. Currently the auto seeking function of the spill buster unit is not operational. Therefore, the Spill Buster pump is ran manually during each monitoring event. Passive bailers were deployed in monitor well MW-4 following the September 2022 event and at monitor well MW-11 on October 11, 2023. Manual recovery of LNAPL using a hydrocarbon bailer also takes place during each monitoring event at monitor wells MW-4 and MW-11. Gauging of the holding tank located near monitor well MW-6, where all fluids are accumulated, shows that approximately 68 gallons of LNAPL were recovered during the 2023 calendar year.

5. Conclusions

Comparison of data gathered throughout 2023 with historical information provides the following general observations:

- Based on historical groundwater level measurements, groundwater elevations at the Site typically exhibit seasonal and annual fluctuations. Measurements collected during 2023 exhibited an overall decrease in elevation compared to the second half 2022. The observed decrease is likely due to seasonal groundwater fluctuations.
- Dissolved phase benzene concentrations above NMWQCC standards persist in the central portion of the Site, represented by wells MW-4 (dissolved phase and LNAPL), MW-5, MW-6 (dissolved phase and LNAPL), MW-10, and MW-10D. In addition, MW-11 has exhibited LNAPL since the September 2022. Generally, benzene concentrations at these locations demonstrate stable conditions.
- While separate and dissolved phase hydrocarbon impacts persist on-Site, BTEX concentrations in downgradient monitoring wells MW-3 and MW-9 remain below laboratory detection limits.

6. Recommendations

Based on evaluation of data gathered during the 2023 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-6, MW-4, and MW-11 during 2024.

Tables

TABLE 1
2023 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 (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
MW-1	03/22/23	50.92			54.58	3718.29	3667.37	-0.57
MW-1	09/22/23	47.37			54.58	3718.29	3670.92	3.55
MW-2	03/22/23	50.07			50.57	3714.80	3664.73	-3.96
MW-2	09/22/23	50.38			50.57	3714.80	3664.42	-0.31
MW-3	03/22/23	52.70			55.39	3715.50	3662.80	-0.51
MW-3	09/22/23	53.22			55.39	3715.50	3662.28	-0.52
*MW-4	03/22/23	54.13	51.77	2.36	54.15	3720.46	3668.10	-0.57
*MW-4	09/22/23	50.31	SHEEN		54.15	3720.46	3670.15	2.05
MW-5	03/22/23	53.71			55.71	3721.53	3667.82	-0.66
MW-5	09/22/23	52.96			55.71	3721.53	3668.57	0.75
**MW-6	03/22/23	NM			54.30	3720.99	NM	NA
**MW-6	09/22/23	54.20	52.64	1.56	54.30	3720.99	3667.96	NA
MW-7	03/22/23	DRY			62.86	3728.57	NA	NA
MW-7	09/22/23	DRY			62.86	3728.57	NA	NA
MW-8	03/22/23	50.87			57.57	3714.18	3663.31	-1.62
MW-8	09/22/23	50.69			57.57	3714.18	3663.49	0.18
MW-9	03/22/23	56.22	SHEEN		59.24	3720.48	3664.26	-0.55
MW-9	09/22/23	56.75			59.24	3720.48	3663.73	-0.53
MW-10	03/22/23	56.42			65.34	3720.76	3664.34	-0.48
MW-10	09/22/23	57.02			65.34	3720.76	3663.74	-0.60
MW-10D	03/22/23	57.85	SHEEN		79.02	3720.85	3663.01	-0.58
MW-10D	09/22/23	58.53			79.03	3720.85	3662.32	-0.69
MW-11	03/22/23	59.11	57.43	1.68	62.78	3722.02	3664.17	-0.44
MW-11	09/22/23	59.45	58.41	1.04	62.78	3722.02	3663.35	-0.82
							Average change in groundwater elevation (2023)	-0.34

1- 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.
amsl = feet above mean sea level
TOC = top of casing
Groundwater elevation = (TOC Elevation - Measured Depth to Water)
* Groundwater elevation was corrected for product thickness using the following calculation, when applicable:

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 grams per cubic centimeter (g/cm³)

** Monitoring well MW-6 has an active Spill Buster automatic LNAPL recovery pump installed. As such, the calculated groundwater elevations may not be representative of actual groundwater elevations within the well.
NM = Not Measured
NA = Not Applicable

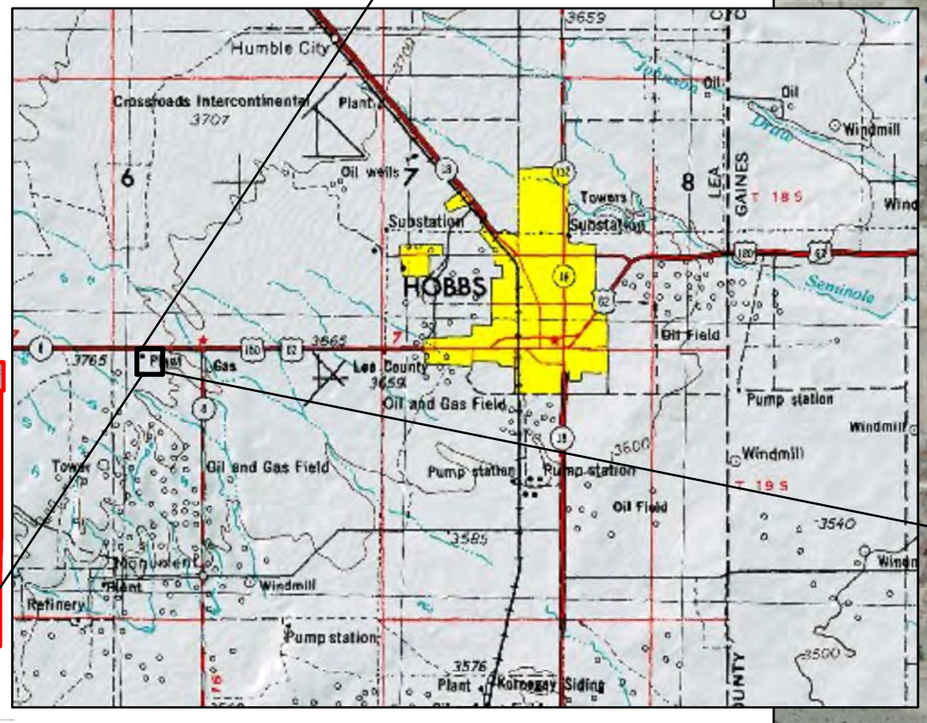
TABLE 2
2023 ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
LINAM RANCH
LEA COUNTY, NEW MEXICO

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	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-1	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	3/23/2023	NS - Inadequate Volume				
MW-2	9/22/2023	NS - Inadequate Volume				
MW-3	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	3/23/2023	Not Sampled - LNAPL Present				
MW-4	9/22/2023	Not Sampled - LNAPL Present				SHEEN
MW-5	3/23/2023	**0.0696**	<0.00100	**0.835**	0.0152 J	
MW-5	9/22/2023	**0.0474**	<0.00100	**0.538**	0.000380 J	
MW-6	3/23/2023	LNAPL				LNAPL (Spill Buster)
MW-6	9/22/2023	LNAPL				LNAPL (Spill Buster)
MW-7	3/23/2023	NS				DRY
MW-7	9/22/2023	NS				DRY
MW-8	3/23/2023	<0.00100	<0.00100	<0.00100	0.000281 J	
MW-8	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	3/23/2023	**0.199**	0.0130 J	0.0937	0.0121 J	
MW-10	9/22/2023	**0.401**	0.0209	0.154	0.0300	
MW-10D	3/23/2023	**0.0237**	0.0163	0.00303 J	0.00452 J	Duplicate Sample Collected
MW-10D (Duplicate)	3/23/2023	**0.0222**	0.0128	0.00248	0.00372	
MW-10D	9/22/2023	**0.0446**	0.0178	0.00514	0.00499	Duplicate Sample Collected
MW-10D (Duplicate)	9/22/2023	**0.0484**	0.000337	0.559	0.000662	
MW-11	3/23/2023	Not Sampled- LNAPL Present				
MW-11	9/22/2023	Not Sampled- LNAPL Present				
Trip Blank	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	

Notes:
Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.
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
mg/L = milligrams per liter

Figures

N

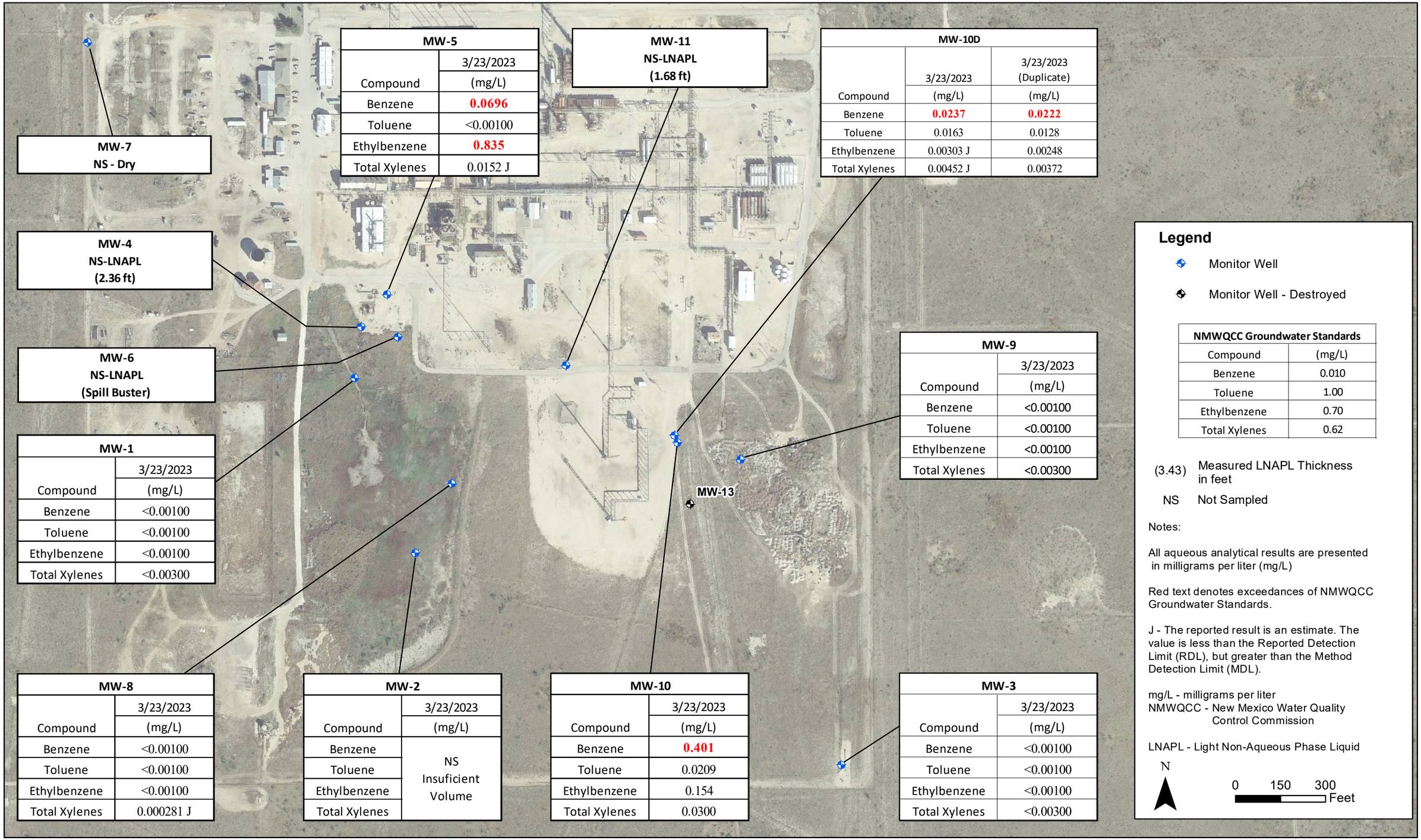


DATE: June 2014 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN Tasman Geosciences, Inc. 6855 W. 119th Avenue Broomfield, Colorado 80020	**DCP Midstream** **Linam Ranch Gas Plant** Unit B, Section 6, Township 19 South, Range 37 East Lea County, New Mexico	Site Location Map	Figure 1

DATE: March 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Linam Gas Plant** 2023 Annual Groundwater Monitoring Summary Report	Site Overview Map	Figure 2

DATE: March 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman Geosciences, Inc. 6855 W. 119th Avenue Broomfield, Colorado 80020	**DCP Operating Company, LP** **Linam Ranch Gas Plant** 2023 Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (March 22, 2023)	Figure 3

DATE: March 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman Geosciences, Inc. 6855 W. 119th Avenue Broomfield, Colorado 80020	**DCP Operating Company, LP** **Linam Ranch Gas Plant** 2023 Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (September 22, 2023)	Figure 4



MW-5	
Compound	3/23/2023 (mg/L)
Benzene	**0.0696**
Toluene	<0.00100
Ethylbenzene	**0.835**
Total Xylenes	0.0152 J

MW-10D		
Compound	3/23/2023 (mg/L)	3/23/2023 (Duplicate) (mg/L)
Benzene	**0.0237**	**0.0222**
Toluene	0.0163	0.0128
Ethylbenzene	0.00303 J	0.00248
Total Xylenes	0.00452 J	0.00372

MW-9	
Compound	3/23/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

MW-1	
Compound	3/23/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

MW-8	
Compound	3/23/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	0.000281 J

MW-2	
Compound	3/23/2023 (mg/L)
Benzene	NS Insuficient Volume
Toluene	
Ethylbenzene	
Total Xylenes	

MW-10	
Compound	3/23/2023 (mg/L)
Benzene	**0.401**
Toluene	0.0209
Ethylbenzene	0.154
Total Xylenes	0.0300

MW-3	
Compound	3/23/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

Legend

- Monitor Well
- Monitor Well - Destroyed

NMWQCC Groundwater Standards	
Compound	(mg/L)
Benzene	0.010
Toluene	1.00
Ethylbenzene	0.70
Total Xylenes	0.62

(3.43) Measured LNAPL Thickness in feet

NS Not Sampled

Notes:

All aqueous analytical results are presented in milligrams per liter (mg/L)

Red text denotes exceedances of NMWQCC Groundwater Standards.

J - The reported result is an estimate. The value is less than the Reported Detection Limit (RDL), but greater than the Method Detection Limit (MDL).

mg/L - milligrams per liter
NMWQCC - New Mexico Water Quality Control Commission

LNAPL - Light Non-Aqueous Phase Liquid

N

0 150 300 Feet

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

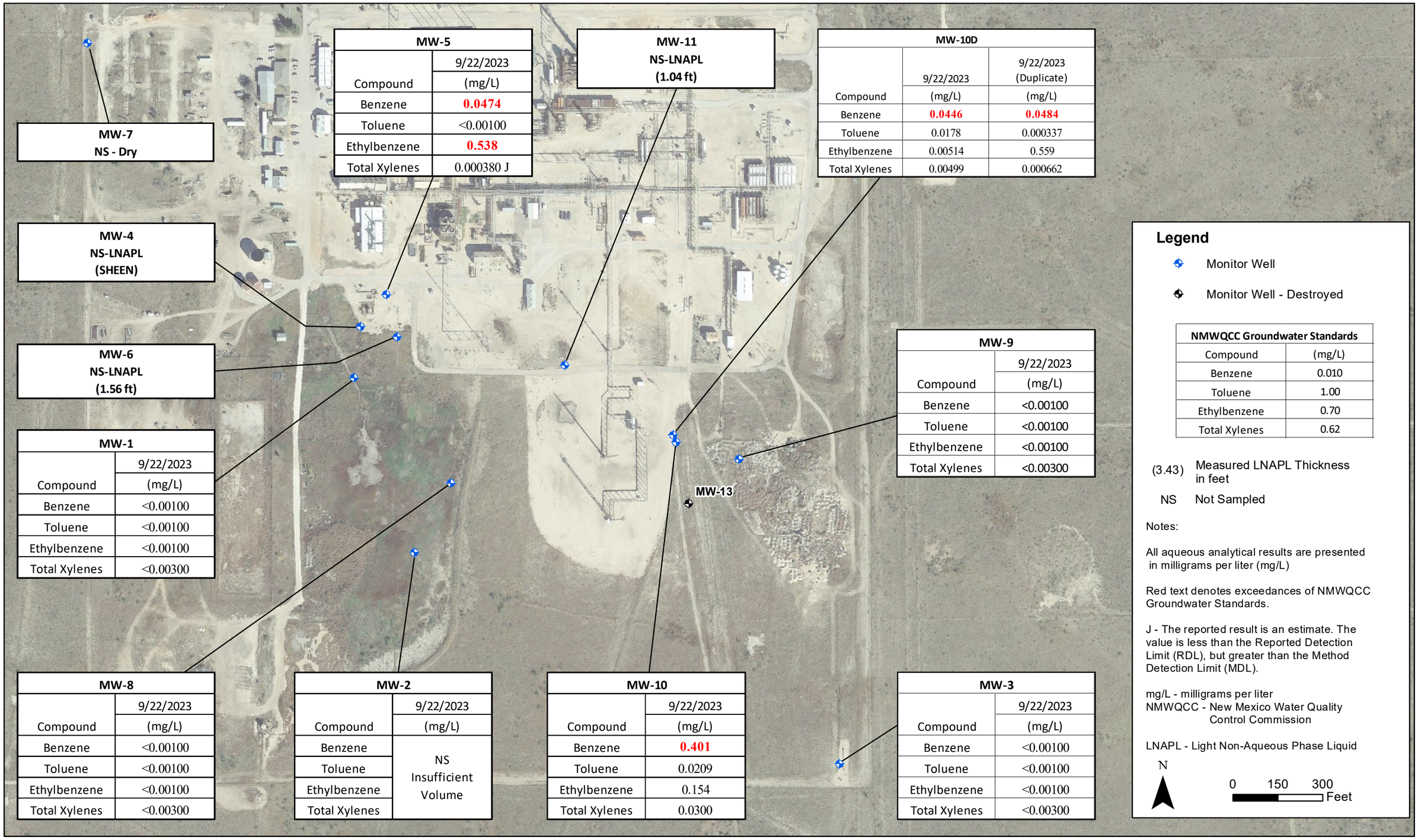
TASMAN

Tasman Geosciences, Inc.
6855 W. 119th Avenue
Broomfield, Colorado 80020

DCP Operating Company, LP
Linam Ranch Gas Plant
2023 Annual Groundwater Monitoring Summary Report

Analytical Results Map
(March 22, 2023)

Figure 5



MW-5

Compound	9/22/2023 (mg/L)
Benzene	**0.0474**
Toluene	<0.00100
Ethylbenzene	**0.538**
Total Xylenes	0.000380 J

MW-10D

Compound	9/22/2023 (mg/L)	9/22/2023 (Duplicate) (mg/L)
Benzene	**0.0446**	**0.0484**
Toluene	0.0178	0.000337
Ethylbenzene	0.00514	0.559
Total Xylenes	0.00499	0.000662

MW-9

Compound	9/22/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

MW-1

Compound	9/22/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

MW-8

Compound	9/22/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

MW-2

Compound	9/22/2023 (mg/L)
Benzene	NS Insufficient Volume
Toluene	
Ethylbenzene	
Total Xylenes	

MW-10

Compound	9/22/2023 (mg/L)
Benzene	**0.401**
Toluene	0.0209
Ethylbenzene	0.154
Total Xylenes	0.0300

MW-3

Compound	9/22/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300

Legend

- Monitor Well
- Monitor Well - Destroyed

NMWQCC Groundwater Standards	
Compound	(mg/L)
Benzene	0.010
Toluene	1.00
Ethylbenzene	0.70
Total Xylenes	0.62

(3.43) Measured LNAPL Thickness in feet

NS Not Sampled

Notes:

All aqueous analytical results are presented in milligrams per liter (mg/L)

Red text denotes exceedances of NMWQCC Groundwater Standards.

J - The reported result is an estimate. The value is less than the Reported Detection Limit (RDL), but greater than the Method Detection Limit (MDL).

mg/L - milligrams per liter
NMWQCC - New Mexico Water Quality Control Commission

LNAPL - Light Non-Aqueous Phase Liquid

N

0 150 300 Feet

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

TASMAN

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6855 W. 119th Avenue
Broomfield, Colorado 80020

DCP Operating Company, LP
Linam Ranch Gas Plant
2023 Annual Groundwater Monitoring Summary Report

Analytical Results Map (September 22, 2023)

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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-1	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-1	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-1	9/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-1	4/28/2011	0.00054 J	<0.002	<0.002	<0.002	
MW-1	9/13/2011	<0.001	<0.002	<0.002	<0.004	
MW-1	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-1	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-1	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-1	9/9/2013	**0.012**	<0.001	0.0024	0.0038	
MW-1	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-1	9/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-1	2/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-1	9/1/2015	<0.001	<0.001	<0.001	<0.003	
MW-1	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-1	9/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-1	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	3/25/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	9/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	6/23/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	9/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	3/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	9/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	3/24/2022	0.000105 J	<0.00100	<0.00100	<0.00300	
MW-1	9/16/2022	0.000212 J	0.000541 J	<0.00100	0.000536 J	
MW-1	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-1	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-2	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-2	9/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-2	4/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-2	9/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-2	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-2	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-2	9/9/2013	<0.001	<0.001	<0.01	<0.001	
MW-2	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-2	9/23/2014	NS	NS	NS	NS	Inaccessible
MW-2	2/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-2	9/1/2015	<0.001	<0.001	<0.001	<0.003	
MW-2	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-2	9/28/2016	NS				Well inaccessible due to flooding
MW-2	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-2	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	3/25/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	9/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	6/23/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	9/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	3/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	9/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	3/24/2022	0.000411 J	<0.00100	<0.00100	<0.00300	
MW-2	9/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	3/23/2023	NS - Inadequate Volume				
MW-2	9/22/2023	NS - Inadequate Volume				

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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-3	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-3	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-3	9/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-3	4/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-3	9/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-3	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-3	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-3	9/9/2013	<0.001	<0.001	<0.001	<0.001	
MW-3	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-3	9/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-3	2/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-3	9/1/2015	<0.001	<0.001	<0.001	<0.003	
MW-3	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-3	9/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-3	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	3/26/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	9/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	6/24/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	9/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	3/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	9/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	3/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	9/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	9/24/2009	LNAPL				
MW-4	3/24/2010	LNAPL				
MW-4	9/28/2010	LNAPL				
MW-4	4/28/2011	LNAPL				LNAPL (0.23 feet)
MW-4	9/13/2011	LNAPL				LNAPL (0.28 feet)
MW-4	3/5/2012	LNAPL				LNAPL (0.34 feet)
MW-4	9/4/2012	LNAPL				LNAPL (0.43 feet)
MW-4	2/18/2013	LNAPL				LNAPL (0.47 feet)
MW-4	9/9/2013	LNAPL				LNAPL (0.06 feet)
MW-4	2/25/2014	LNAPL				LNAPL (0.02 feet)
MW-4	2/24/2015	**9.8**	<0.005	0.59	<0.015	LNAPL (0.01 feet)
MW-4	9/1/2015	**8.6**	<0.005	0.53	<0.015	
MW-4	3/24/2016	**6.9**	<0.005	0.38	<0.015	
MW-4	10/12/2016	**5**	<0.010	0.027	0.053	
MW-4	3/7/2017	**8.9**	<0.005	0.024	0.0051	
MW-4	10/3/2017	**16.9**	<0.100	0.618	<0.300	
MW-4	3/14/2018	**18.7**	<0.010	0.686	<0.030	
MW-4	9/7/2018	**12.3**	<0.200	0.74	<0.600	
MW-4	3/26/2019	**15.9**	<0.200	0.516	<0.600	
MW-4	9/18/2019	**19.3**	<0.0010	**0.829**	0.00356	
MW-4	6/23/2020	**12.9**	<0.0010	0.561	0.0351	
MW-4	9/16/2020	**18.5**	<0.100	0.601	<0.300	
MW-4	3/25/2021	**17.3**	<0.100	0.911	0.121 J	LNAPL (0.60')
MW-4	9/23/2021	Not Sampled - LNAPL Present				LNAPL (3.43')
MW-4	3/24/2022	Not Sampled - LNAPL Present				LNAPL (2.61')
MW-4	9/16/2022	Not Sampled - LNAPL Present				LNAPL (3.01')
MW-4	3/23/2023	Not Sampled - LNAPL Present				
MW-4	9/22/2023	Not Sampled - LNAPL Present				SHEEN

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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-5	9/24/2009	**0.0272**	<0.002	0.227	<0.006	
MW-5	3/24/2010	**0.13**	<0.002	0.482	0.46	
MW-5	9/28/2010	0.0095	<0.004	0.188	<0.008	
MW-5	4/28/2011	**0.149**	<0.004	**0.776**	<0.004	
MW-5	9/13/2011	**0.13**	<0.010	**0.86**	<0.020	
MW-5	3/5/2012	**0.24**	<0.025	**2**	<0.075	
MW-5	9/4/2012	**0.17**	<0.005	**1**	0.038	Duplicate Sample Collected
MW-5	2/18/2013	**0.21**	<0.005	**1.4**	<0.015	Duplicate Sample Collected
MW-5	9/9/2013	**0.096**	<0.001	**0.89**	<0.001	Duplicate Sample Collected
MW-5 (Duplicate)	9/9/2013	**0.095**	<0.001	**0.9**	<0.001	
MW-5	2/25/2014	**0.18**	<0.005	**1.3**	<0.005	
MW-5	9/23/2014	**0.33**	<0.005	**2**	<0.015	
MW-5	2/24/2015	**0.16**	<0.005	**1.3**	<0.015	
MW-5	9/1/2015	**0.1**	<0.005	0.57	<0.015	
MW-5	3/24/2016	**0.095**	<0.005	**1.4**	<0.015	
MW-5	9/28/2016	**0.081**	<0.0050	**1.6**	<0.015	
MW-5	3/7/2017	**0.081**	<0.0050	**0.91**	<0.0050	
MW-5	10/3/2017	**0.151**	0.00906 J	**2.34**	<0.060	
MW-5	3/14/2018	**0.0609**	<0.010	**0.930**	<0.030	
MW-5	9/7/2018	**0.131**	<0.001	**2.040**	0.00267 J	
MW-5	3/26/2019	**0.08**	0.000443 J	**2.530**	<0.003	
MW-5	9/18/2019	**0.0980**	<0.0200	**1.97**	<0.0600	
MW-5	6/23/2020	**0.0266**	<0.0200	**1.73**	0.00356 J	
MW-5	9/16/2020	**0.0358**	<0.0200	**2.12**	<0.0600	
MW-5	3/25/2021	**0.105**	<0.0200	**2.61**	<0.0600	
MW-5	9/23/2021	**0.0933**	<0.0200	**2.72**	<0.0600	
MW-5	3/24/2022	**0.151**	<0.0500	**2.51**	<0.150	
MW-5	9/16/2022	**0.141**	<0.00100	**1.14**	0.00121 J	
MW-5	3/23/2023	**0.0696**	<0.00100	**0.835**	0.0152 J	
MW-5	9/22/2023	**0.0474**	<0.00100	**0.538**	0.000380 J	
MW-6	9/24/2009	LNAPL				
MW-6	3/24/2010	LNAPL				
MW-6	9/28/2010	LNAPL				
MW-6	4/28/2011	LNAPL				LNAPL (2.81 feet)
MW-6	9/13/2011	LNAPL				LNAPL (3.33 feet)
MW-6	3/5/2012	LNAPL				LNAPL (3.1 feet)
MW-6	9/4/2012	LNAPL				LNAPL (3.98 feet)
MW-6	2/18/2013	LNAPL				LNAPL (2.32 feet) Active Spill Buster
MW-6	9/9/2013	LNAPL				LNAPL (0.17 feet) Active Spill Buster
MW-6	2/25/2014	LNAPL				LNAPL (1.99 feet) Active Spill Buster
MW-6	9/23/2014	LNAPL				LNAPL (0.09 feet)
MW-6	2/24/2015	LNAPL				LNAPL (0.07 feet)
MW-6	9/1/2015	LNAPL				LNAPL (0.01 feet)
MW-6	3/24/2016	LNAPL				LNAPL (0.13 feet)
MW-6	9/28/2016	LNAPL				LNAPL (3.74 feet)
MW-6	3/7/2017	LNAPL				LNAPL (0.7 feet) Active Spill Buster
MW-6	10/3/2017	LNAPL				LNAPL (0.25 feet) Active Spill Buster
MW-6	3/14/2018	LNAPL				LNAPL (NM) Active Spill Buster
MW-6	9/7/2018	LNAPL				LNAPL (0.32 feet) Active Spill Buster
MW-6	3/26/2019	**0.543**	<0.001	0.188	<0.003	
MW-6	9/18/2019	LNAPL				LNAPL (2.62 feet)
MW-6	6/23/2020	LNAPL				LNAPL (3.36 feet)
MW-6	9/16/2020	LNAPL				LNAPL (3.36 feet)
MW-6	3/25/2021	LNAPL				LNAPL (Spill Buster)
MW-6	9/23/2021	LNAPL				LNAPL (Spill Buster)
MW-6	3/24/2022	LNAPL				LNAPL (Spill Buster)
MW-6	9/16/2022	LNAPL				LNAPL (Spill Buster)
MW-6	3/23/2023	LNAPL				LNAPL (Spill Buster)

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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-6	9/22/2023	LNAPL				LNAPL (Spill Buster)
MW-7	9/24/2009	NS				
MW-7	3/24/2010	NS				
MW-7	9/28/2010	NS				
MW-7	4/28/2011	NS				DRY
MW-7	9/13/2011	NS				
MW-7	3/5/2012	NS				
MW-7	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-7	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-7	9/9/2013	<0.001	<0.001	<0.001	<0.001	
MW-7	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-7	9/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-7	2/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-7	9/1/2015	<0.001	<0.001	<0.001	<0.003	
MW-7	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-7	10/12/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-7	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	3/25/2019	<0.0010	<0.0010	0.000421 J	<0.0030	
MW-7	9/18/2019	NS				Not enough water for sample
MW-7	6/24/2020	NS				DRY
MW-7	9/16/2020	NS				DRY
MW-7	3/25/2021	NS				DRY
MW-7	9/23/2021	NS				DRY
MW-7	3/24/2022	NS				DRY
MW-7	9/16/2022	NS				DRY
MW-7	3/23/2023	NS				DRY
MW-7	9/22/2023	NS				DRY
MW-8	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-8	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-8	9/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-8	4/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-8	9/12/2011	<0.005	<0.005	<0.005	<0.015	
MW-8	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-8	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-8	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-8	9/9/2013	<0.001	<0.001	<0.001	<0.001	
MW-8	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-8	9/23/2014	NS				Inaccessible
MW-8	2/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-8	9/1/2015	<0.001	<0.001	<0.001	<0.003	
MW-8	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-8	9/28/2016	NS				Well inaccessible due to flooding
MW-8	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-8	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	3/25/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	9/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	6/23/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	9/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	3/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	9/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	3/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-8	9/16/2022	<0.00200	<0.00100	<0.00200	<0.00300	
MW-8	3/23/2023	<0.00100	<0.00100	<0.00100	0.000281 J	

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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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-8	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-9	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-9	9/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-9	4/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-9	9/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-9	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-9	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-9	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-9	9/9/2013	<0.001	<0.001	<0.001	<0.001	
MW-9	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-9	9/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-9	2/24/2015	<0.001	<0.001	<0.001	<0.003	
MW-9	9/1/2015	<0.001	<0.001	<0.001	<0.003	
MW-9	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-9	9/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-9	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	3/26/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	9/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	6/24/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	9/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	3/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	9/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
MW-9	3/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	9/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-9	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	
MW-10	4/30/2008	**0.769**	0.0457	0.0851	0.05	
MW-10	4/29/2009	**0.883**	0.23	0.0859	0.0759	
MW-10	9/24/2009	**1.07**	0.126	0.148	0.154	
MW-10	3/24/2010	**1.64**	0.175	0.246	0.156	
MW-10	9/28/2010	**1.9**	0.0547 J	0.24	0.104 J	
MW-10	4/28/2011	**1.72**	0.228	0.195	0.126	Duplicate Sample Collected
MW-10 (Duplicate)	4/28/2011	**2.29**	0.258	0.234	0.155	
MW-10	9/12/2011	**1.97**	0.104	0.249	0.145	Duplicate Sample Collected
MW-10 (Duplicate)	9/12/2011	**2.08**	0.0964	0.25	0.153	
MW-10	3/5/2012	**2.2**	0.11	0.23	0.13	
MW-10	9/4/2012	**2.7**	0.0083	0.28	0.12	
MW-10	2/18/2013	**2.0**	0.019	0.3	0.13	
MW-10	9/9/2013	**1.6**	0.022	0.26	0.11	
MW-10	2/25/2014	**1.7**	0.0054	0.35	0.098	
MW-10	9/23/2014	**2.2**	<0.005	0.53	0.15	
MW-10	2/24/2015	**1.6**	0.012	0.29	0.086	
MW-10	9/1/2015	**1.6**	0.012	0.19	0.078	
MW-10	3/24/2016	**4.6**	0.0068	0.22	0.054	
MW-10	9/28/2016	**3.1**	0.012	0.25	0.19	
MW-10	3/7/2017	**3.1**	0.011	0.23	0.09	
MW-10	10/3/2017	**4.27**	0.0202	0.311	0.158	
MW-10	3/14/2018	**4.24**	<0.010	0.440	0.109	
MW-10	9/7/2018	**3.32**	0.0274	0.332	0.155	
MW-10	3/26/2019	**2.0**	0.0182	0.197	0.0826	
MW-10	9/18/2019	**1.66**	<0.200	0.284	0.202	
MW-10	6/23/2020	**2.66**	0.0100 J	0.522	0.141	
MW-10	9/16/2020	**2.96**	<0.0200	0.500	0.119	
MW-10	3/25/2021	**1.64**	0.0162 J	0.221	0.0452 J	

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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-10	9/23/2021	**1.52**	<0.0200	0.272	0.0150 J	
MW-10	3/24/2022	**1.31**	0.0107 J	0.247	0.0497 J	
MW-10	9/16/2022	**1.40**	0.00793	0.293	0.0645	
MW-10	3/23/2023	**0.20**	0.0130 J	0.937	0.0121 J	
MW-10	9/22/2023	**0.40**	0.0209	0.154	0.03	
MW-10D	4/30/2008	**0.195**	0.0677	0.0144	0.0221	
MW-10D	4/29/2009	**0.179**	0.0772	0.0203	0.0296	
MW-10D	9/24/2009	**0.103**	0.0496	0.0127	0.0261	
MW-10D	3/24/2010	**0.196**	0.0703	0.0129	0.0202	
MW-10D	9/28/2010	**0.0402**	0.0358	0.006	0.0077 J	
MW-10D	4/28/2011	**0.0512**	0.0373	0.0063	0.0113	
MW-10D	9/12/2011	**0.0278**	0.0131	0.0032	0.006	
MW-10D	3/5/2012	**0.024**	0.0081	<0.005	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	3/5/2012	**0.022**	0.0089	<0.005	<0.015	
MW-10D	9/4/2012	**0.023**	0.0057	<0.005	<0.015	
MW-10D	2/18/2013	**0.034**	0.014	0.0023	0.0031	
MW-10D	9/9/2013	**0.034**	0.019	<0.005	<0.005	
MW-10D	2/25/2014	**0.046**	0.021	0.005	<0.005	Duplicate Sample Collected
MW-10D (Duplicate)	2/25/2014	**0.043**	0.019	<0.005	<0.005	
MW-10D	9/23/2014	**0.059**	0.024	<0.005	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	9/23/2014	**0.058**	0.024	<0.005	<0.015	
MW-10D	2/24/2015	**0.062**	0.026	0.008	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	2/24/2015	**0.058**	0.024	0.0074	<0.015	
MW-10D	9/1/2015	**0.062**	0.025	0.006	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	9/1/2015	**0.065**	0.026	0.0075	<0.015	
MW-10D	3/24/2016	**0.079**	0.021	0.021	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	3/24/2016	**0.079**	0.019	0.013	<0.015	
MW-10D	9/28/2016	**0.024**	0.013	<0.0050	<0.015	Duplicate Sample Collected
MW-10D (Duplicate)	9/28/2016	**0.025**	0.013	<0.0050	<0.015	
MW-10D	3/7/2017	**0.15**	0.017	0.026	0.0072	Duplicate Sample Collected
MW-10D (Duplicate)	3/7/2017	**0.15**	0.016	0.025	0.0066	
MW-10D	10/3/2017	**0.0510**	0.0153	<0.010	<0.030	Duplicate Sample Collected
MW-10D (Duplicate)	10/3/2017	**0.0614**	0.020	<0.020	<0.060	
MW-10D	3/14/2018	**0.116**	0.0178	0.0194	0.00472	Duplicate Sample Collected
MW-10D (Duplicate)	3/14/2018	**0.104**	0.0169	0.0176	<0.0150	
MW-10D	9/7/2018	**0.0499**	0.0163	0.00769	0.0033	Duplicate Sample Collected
MW-10D (Duplicate)	9/7/2018	**0.0497**	0.0181	0.00899	0.00384	
MW-10D	3/26/2019	**0.047**	0.0126	0.00647	0.00238 J	Duplicate Sample Collected
MW-10D (Duplicate)	3/26/2019	**0.0477**	0.0124	0.00642	0.00227 J	
MW-10D	9/18/2019	**0.0588**	0.0119	0.0182	0.00272 J	Duplicate Sample Collected
MW-10D (Duplicate)	9/18/2019	**0.0574**	0.0116	0.0185	0.00264 J	
MW-10D	6/23/2020	**0.0297**	0.0151	0.00472	0.00318	Duplicate Sample Collected
MW-10D (Duplicate)	6/23/2020	**0.0290**	0.0145	0.00418	0.00323	
MW-10D	9/16/2020	**0.0466**	0.0138	0.0103	0.00248 J	Duplicate Sample Collected
MW-10D (Duplicate)	9/16/2020	**0.0523**	0.0124	0.0129	0.00261 J	
MW-10D	3/25/2021	**0.0318**	0.0153	0.00399	0.00328	Duplicate Sample Collected
MW-10D (Duplicate)	3/25/2021	**0.0322**	0.0148	0.00418	0.0034	
MW-10D	9/23/2021	**0.0227**	0.0117	0.0036	0.00328	Duplicate Sample Collected
MW-10D (Duplicate)	9/23/2021	**0.0221**	0.0116	0.00361	0.00325	
MW-10D	3/24/2022	**0.0276**	0.0201	0.00333	0.00513	Duplicate Sample Collected
MW-10D (Duplicate)	3/24/2022	**0.0285**	0.0212	0.00347	0.00498	
MW-10D	9/16/2022	**0.0201**	0.0134 J	0.00341 J	<0.0600	Duplicate Sample Collected
MW-10D (Duplicate)	9/16/2022	**0.0196 J**	0.0146 J	<0.0250	<0.0750	
MW-10D	3/23/2023	**0.0237**	0.0163	0.00303 J	0.00452 J	Duplicate Sample Collected
MW-10D (Duplicate)	3/23/2023	**0.222**	0.0128	0.00248	0.00372	
MW-10D	9/22/2023	**0.0446**	0.0178	0.00514	0.00499	Duplicate Sample Collected
MW-10D (Duplicate)	9/22/2023	**0.0484**	0.000337	0.559	0.000662	
MW-11	4/29/2009	<0.00046	<0.00048	<0.00045	<0.0014	

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)		**0.005**	**1.00**	**0.70**	**0.62**	
MW-11	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-11	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-11	9/28/2010	0.0036	<0.002	<0.002	0.004	
MW-11	4/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-11	9/12/2001	<0.001	<0.002	<0.002	<0.004	
MW-11	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-11	9/4/2012	<0.005	<0.005	<0.005	<0.015	
MW-11	2/18/2013	<0.001	<0.001	<0.001	<0.003	
MW-11	9/9/2013	<0.001	<0.001	<0.001	0.0033	
MW-11	2/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-11	9/23/2014	<0.001	<0.001	<0.001	<0.003	
MW-11	2/24/2015	0.0019	<0.001	<0.001	<0.003	
MW-11	9/1/2015	**0.019**	<0.001	<0.001	0.0031	
MW-11	3/24/2016	<0.001	<0.001	<0.001	<0.003	
MW-11	9/28/2016	0.0036	<0.0010	<0.0010	<0.0030	
MW-11	3/7/2017	0.0081	<0.0010	<0.0010	0.0017	
MW-11	10/3/2017	0.000951 J	<0.0010	<0.0010	<0.0030	
MW-11	3/14/2018	0.00385	<0.0010	<0.0010	<0.0030	
MW-11	9/7/2018	0.000467 J	<0.0010	<0.0010	<0.0030	
MW-11	3/26/2019	**0.0135**	0.00082 J	<0.0010	<0.0030	
MW-11	9/18/2019	**0.0207**	0.00138	0.000459 J	0.00166 J	
MW-11	6/23/2020	**0.05**	0.00263	0.000628 J	0.00211 J	
MW-11	9/16/2020	**0.0148**	0.00138	0.000301 J	0.000603 J	
MW-11	3/25/2021	**0.0227**	0.000762 J	0.000310 J	0.00150 J	
MW-11	9/23/2021	**0.0178**	0.000671 J	0.000456 J	0.00147 J	
MW-11	3/24/2022	0.00411	<0.00100	<0.00100	0.000315 J	
MW-11	9/16/2022	Not Sampled- LNAPL Present				LNAPL (1.30)
MW-11	3/23/2023	Not Sampled- LNAPL Present				
MW-11	9/22/2023	Not Sampled- LNAPL Present				
MW-13	4/29/2009	<0.00046	<0.00048	<0.00045	<0.0014	
MW-13	9/24/2009	<0.002	<0.002	<0.002	<0.006	
MW-13	3/24/2010	<0.002	<0.002	<0.002	<0.006	
MW-13	9/28/2010	<0.001	<0.002	<0.002	<0.004	
MW-13	4/28/2011	<0.001	<0.002	<0.002	<0.002	
MW-13	9/12/2011	<0.001	<0.002	<0.002	<0.004	
MW-13	3/5/2012	<0.005	<0.005	<0.005	<0.015	
MW-13	Well Destroyed					
Trip Blank	2/25/2014	<0.001	<0.001	<0.001	<0.001	
Trip Blank	9/23/2014	<0.001	<0.001	<0.001	<0.003	
Trip Blank	2/24/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	9/1/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	3/24/2016	<0.001	<0.001	<0.001	<0.003	
Trip Blank	9/28/2016	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/7/2017	<0.0010	<0.0010	<0.0010	<0.0010	
Trip Blank	10/3/2017	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	9/7/2018	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/26/2019	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	9/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	6/24/2020	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	9/16/2020	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/25/2021	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	9/23/2021	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	3/23/2023	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/16/2022	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	9/22/2023	<0.00100	<0.00100	<0.00100	<0.00300	

Notes:

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)		**0.005**	**1.00**	**0.70**	**0.62**	

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.
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
mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

- Pace Analytical Job #: L1598218
- Pace Analytical Job #: L1659176

Pace Analytical®

ANALYTICAL REPORT

March 31, 2023

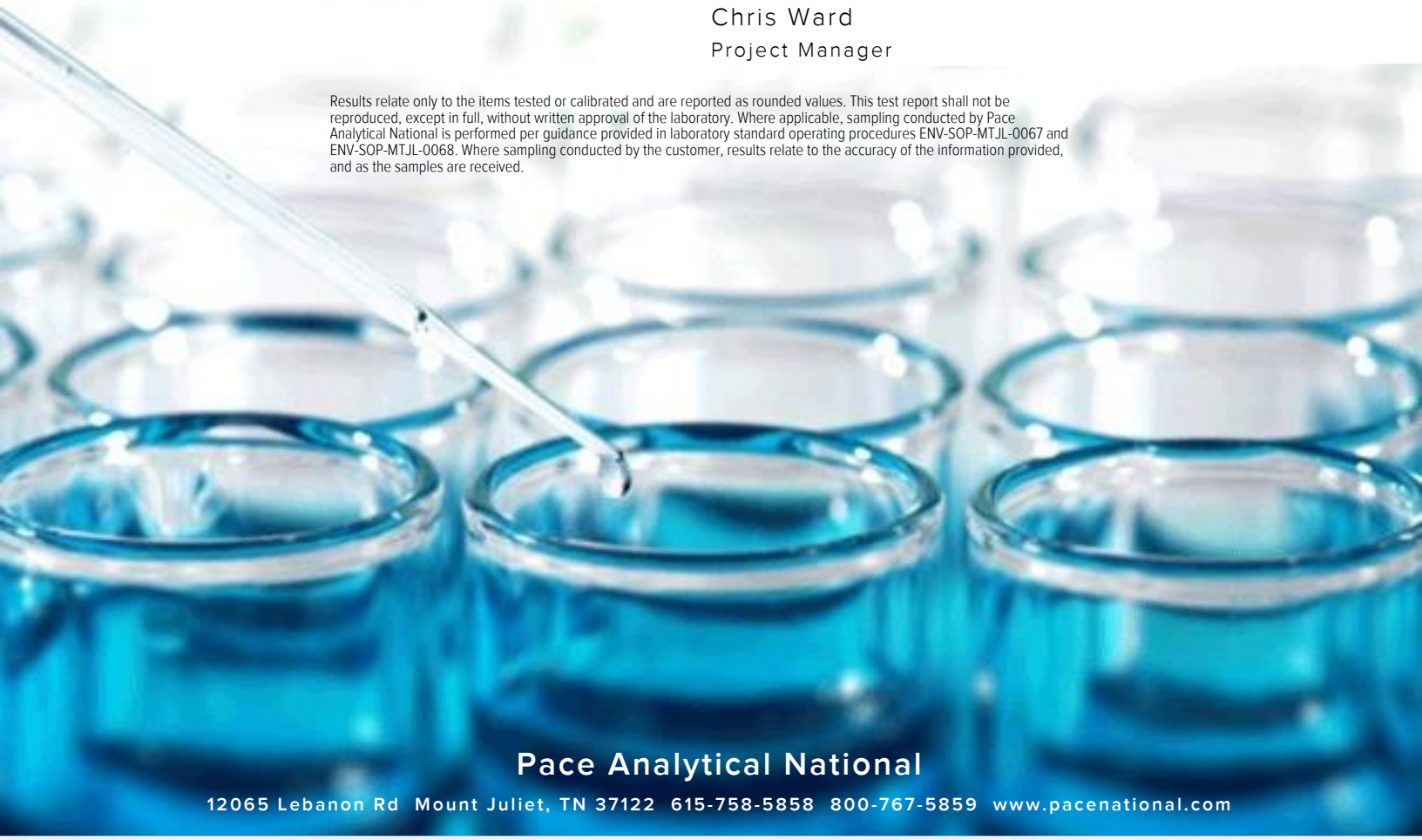
DCP Midstream - Tasman

Sample Delivery Group:	L1598218
Samples Received:	03/24/2023
Project Number:	400128006
Description:	Linam Ranch

Report To: Kyle Norman
2620 W. Marland Blvd
Hobbs, NM 88240

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 www.pacenational.com

TABLE OF CONTENTS

MW-1 L1598218-01 GW

Collected by: Chris Flores | Collected date/time: 03/23/23 10:37 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032924	1	03/31/23 02:42	03/31/23 02:42	KSD	Mt. Juliet, TN

MW-3 L1598218-02 GW

Collected by: Chris Flores | Collected date/time: 03/23/23 08:39 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032924	1	03/31/23 03:03	03/31/23 03:03	KSD	Mt. Juliet, TN

MW-5 L1598218-03 GW

Collected by: Chris Flores | Collected date/time: 03/23/23 11:30 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	50	03/30/23 09:15	03/30/23 09:15	ACG	Mt. Juliet, TN

MW-8 L1598218-04 GW

Collected by: Chris Flores | Collected date/time: 03/23/23 10:00 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	1	03/30/23 04:51	03/30/23 04:51	ACG	Mt. Juliet, TN

MW-9 L1598218-05 GW

Collected by: Chris Flores | Collected date/time: 03/22/23 09:04 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	1	03/30/23 05:11	03/30/23 05:11	ACG	Mt. Juliet, TN

MW-10 L1598218-06 GW

Collected by: Chris Flores | Collected date/time: 03/22/23 09:54 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	20	03/30/23 09:36	03/30/23 09:36	ACG	Mt. Juliet, TN

MW-10D L1598218-07 GW

Collected by: Chris Flores | Collected date/time: 03/22/23 10:58 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	20	03/30/23 09:56	03/30/23 09:56	ACG	Mt. Juliet, TN

DUPLICATE L1598218-08 GW

Collected by: Chris Flores | Collected date/time: 03/22/23 10:58 | Received date/time: 03/24/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	1	03/30/23 05:31	03/30/23 05:31	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

TRIP BLANK L1598218-09 GW

			Collected by	Collected date/time	Received date/time	
			Chris Flores	03/23/23 00:00	03/24/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2032427	1	03/30/23 04:10	03/30/23 04:10	ACG	Mt. Juliet, TN

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

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	03/31/2023 02:42	WG2032924
Toluene	U		0.000278	0.00100	1	03/31/2023 02:42	WG2032924
Ethylbenzene	U		0.000137	0.00100	1	03/31/2023 02:42	WG2032924
Total Xylenes	U		0.000174	0.00300	1	03/31/2023 02:42	WG2032924
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2023 02:42*	WG2032924
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/31/2023 02:42*	WG2032924
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*03/31/2023 02:42*	WG2032924

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	03/31/2023 03:03	WG2032924
Toluene	U		0.000278	0.00100	1	03/31/2023 03:03	WG2032924
Ethylbenzene	U		0.000137	0.00100	1	03/31/2023 03:03	WG2032924
Total Xylenes	U		0.000174	0.00300	1	03/31/2023 03:03	WG2032924
(S) Toluene-d8	*101*			*80.0-120*		*03/31/2023 03:03*	WG2032924
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*03/31/2023 03:03*	WG2032924
(S) 1,2-Dichloroethane-d4	*84.9*			*70.0-130*		*03/31/2023 03:03*	WG2032924

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	0.0696		0.00471	0.0500	50	03/30/2023 09:15	WG2032427
Toluene	U		0.0139	0.0500	50	03/30/2023 09:15	WG2032427
Ethylbenzene	0.835		0.00685	0.0500	50	03/30/2023 09:15	WG2032427
Total Xylenes	0.0152	J	0.00870	0.150	50	03/30/2023 09:15	WG2032427
(S) Toluene-d8	*99.5*			*80.0-120*		*03/30/2023 09:15*	WG2032427
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/30/2023 09:15*	WG2032427
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*03/30/2023 09:15*	WG2032427

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	03/30/2023 04:51	WG2032427
Toluene	U		0.000278	0.00100	1	03/30/2023 04:51	WG2032427
Ethylbenzene	U		0.000137	0.00100	1	03/30/2023 04:51	WG2032427
Total Xylenes	0.000281	J	0.000174	0.00300	1	03/30/2023 04:51	WG2032427
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2023 04:51*	WG2032427
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*03/30/2023 04:51*	WG2032427
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*03/30/2023 04:51*	WG2032427

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	03/30/2023 05:11	WG2032427
Toluene	U		0.000278	0.00100	1	03/30/2023 05:11	WG2032427
Ethylbenzene	U		0.000137	0.00100	1	03/30/2023 05:11	WG2032427
Total Xylenes	U		0.000174	0.00300	1	03/30/2023 05:11	WG2032427
(S) Toluene-d8	*97.4*			*80.0-120*		*03/30/2023 05:11*	WG2032427
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*03/30/2023 05:11*	WG2032427
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*03/30/2023 05:11*	WG2032427

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	0.199		0.00188	0.0200	20	03/30/2023 09:36	WG2032427
Toluene	0.0130	J	0.00556	0.0200	20	03/30/2023 09:36	WG2032427
Ethylbenzene	0.0937		0.00274	0.0200	20	03/30/2023 09:36	WG2032427
Total Xylenes	0.0121	J	0.00348	0.0600	20	03/30/2023 09:36	WG2032427
(S) Toluene-d8	*99.5*			*80.0-120*		*03/30/2023 09:36*	WG2032427
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/30/2023 09:36*	WG2032427
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*03/30/2023 09:36*	WG2032427

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	0.0237		0.00188	0.0200	20	03/30/2023 09:56	WG2032427
Toluene	0.0163	J	0.00556	0.0200	20	03/30/2023 09:56	WG2032427
Ethylbenzene	0.00303	J	0.00274	0.0200	20	03/30/2023 09:56	WG2032427
Total Xylenes	0.00452	J	0.00348	0.0600	20	03/30/2023 09:56	WG2032427
(S) Toluene-d8	*100*			*80.0-120*		*03/30/2023 09:56*	WG2032427
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/30/2023 09:56*	WG2032427
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*03/30/2023 09:56*	WG2032427

Sample Narrative:

L1598218-07 WG2032427: Non-target compounds too high to run at a lower dilution.

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	0.0222		0.0000941	0.00100	1	03/30/2023 05:31	WG2032427
Toluene	0.0128		0.000278	0.00100	1	03/30/2023 05:31	WG2032427
Ethylbenzene	0.00248		0.000137	0.00100	1	03/30/2023 05:31	WG2032427
Total Xylenes	0.00372		0.000174	0.00300	1	03/30/2023 05:31	WG2032427
(S) Toluene-d8	*99.4*			*80.0-120*		*03/30/2023 05:31*	WG2032427
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/30/2023 05:31*	WG2032427
(S) 1,2-Dichloroethane-d4	*90.6*			*70.0-130*		*03/30/2023 05:31*	WG2032427

TRIP BLANK
Collected date/time: 03/23/23 00:00
L1598218

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	03/30/2023 04:10	WG2032427
Toluene	U		0.000278	0.00100	1	03/30/2023 04:10	WG2032427
Ethylbenzene	U		0.000137	0.00100	1	03/30/2023 04:10	WG2032427
Total Xylenes	U		0.000174	0.00300	1	03/30/2023 04:10	WG2032427
(S) Toluene-d8	*101*			*80.0-120*		*03/30/2023 04:10*	WG2032427
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*03/30/2023 04:10*	WG2032427
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*03/30/2023 04:10*	WG2032427

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

Method Blank (MB)

(MB) R3907916-3 03/30/23 03:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

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

(LCS) R3907916-1 03/30/23 02:49 • (LCSD) R3907916-2 03/30/23 03:09

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	0.00465	0.00440	93.0	88.0	70.0-123			5.52	20
Toluene	0.00500	0.00463	0.00432	92.6	86.4	79.0-120			6.93	20
Ethylbenzene	0.00500	0.00438	0.00420	87.6	84.0	79.0-123			4.20	20
Xylenes, Total	0.0150	0.0130	0.0126	86.7	84.0	79.0-123			3.13	20
(S) Toluene-d8				*100*	*98.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.6*	*92.7*	*70.0-130*				

Method Blank (MB)

(MB) R3907917-3 03/31/23 01:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*

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

(LCS) R3907917-1 03/31/23 00:31 • (LCSD) R3907917-2 03/31/23 00:51

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	0.00493	0.00496	98.6	99.2	70.0-123			0.607	20
Toluene	0.00500	0.00472	0.00467	94.4	93.4	79.0-120			1.06	20
Ethylbenzene	0.00500	0.00486	0.00481	97.2	96.2	79.0-123			1.03	20
Xylenes, Total	0.0150	0.0138	0.0139	92.0	92.7	79.0-123			0.722	20
(S) Toluene-d8				*99.6*	*98.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.5*	*94.4*	*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.

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:
DCP Midstream - Tasman

2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to:
Kyle Norman

Email To:
swweathers@dcpmidstream.com;knorman@tas

Project Description:
Linam Ranch

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **575-318-5017**

Client Project #

Lab Project #
DCPTASMAN-LINAM

Collected by (print):
Chris Flores

Site/Facility ID #

P.O. #
0000662143

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	V8260BTEX-BLK 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1		GW		3/23/23	1037	3	X			-01
MW-2		GW								
MW-3		GW		3/23/23	0839	3	X			-02
MW-4		GW								
MW-5		GW		3/23/23	1130	3	X			-03
MW-6		GW								
MW-7		GW								
MW-8		GW		3/23/23	1000	3	X			-04
MW-9		GW		3/22/23	0904	3	X			-05
MW-10		GW		3/22/23	0954	3	X			-06

Chain of Custody Page ___ of ___

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MT JULIET, TN

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

SDG # 598218
C175

Acctnum: **DCPTASMAN**
Template: **T127845**
Prelogin: **P984856**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

* 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:	If preservation required by Login: Date/Time
	3/23/23			Yes / No (HCL) / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NSA6 °C 4.3+0=4.3 Bottles Received: 24	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) (14)	Date: 3/24/23 Time: 900	Hold: / Condition: NCF / OK

Company Name/Address:
DCP Midstream - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: **Kyle Norman**

Email To: **swweathers@dcpmidstream.com;knorman@tas**

Project Description: **Linam Ranch**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **575-318-5017**

Client Project #

Lab Project # **DCPTASMAN-LINAM**

Collected by (print): CHRIS FLORES

Site/Facility ID #

P.O. # **0000662143**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

V8260BTEX 40ml/Amb-HCl

V8260BTEX-BLK 40ml/Amb-HCl

Chain of Custody Page ___ of ___

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MT JULIET, TN

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SDG # L598218

Table #

Acctnum: **DCPTASMAN**

Template: **T127845**

Prelogin: **P984856**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40ml/Amb-HCl	V8260BTEX-BLK 40ml/Amb-HCl	Remarks	Sample # (lab only)
MW-10D		GW		3/22/23	1058	3	X			-07
MW-11		GW								
DUPLICATE		GW		3/22/23	1058	3	X			-08
		GW								
TRIP BLANK		GW								-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: 3/23/23	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH) TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NSA6 °C 4.3 to=4.3 Bottles Received: 24
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) (14)	Date: 3/24/23 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

October 04, 2023

DCP Midstream - Tasman

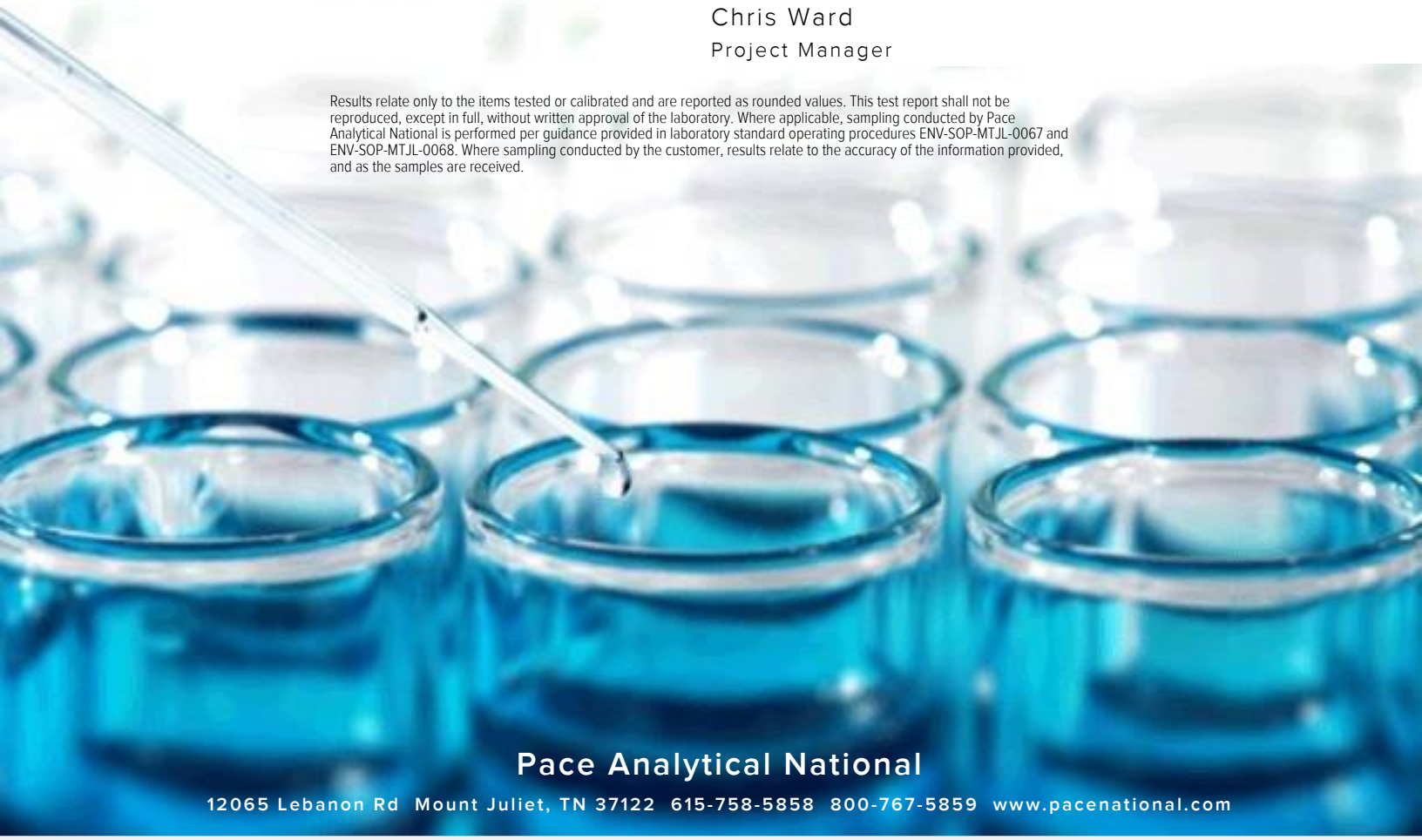
Sample Delivery Group:	L1659176
Samples Received:	09/23/2023
Project Number:	400128006
Description:	Linam Ranch

Report To: Brett Dennis
2620 W. Marland Blvd
Hobbs, NM 88240

Entire Report Reviewed By: 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 www.pacenational.com

TABLE OF CONTENTS

MW-1 L1659176-01 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 08:50 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 06:50	09/30/23 06:50	JCP	Mt. Juliet, TN

MW-3 L1659176-02 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 09:40 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 07:12	09/30/23 07:12	JCP	Mt. Juliet, TN

MW-5 L1659176-03 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 11:07 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 07:33	09/30/23 07:33	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142924	20	10/02/23 12:25	10/02/23 12:25	DYW	Mt. Juliet, TN

MW-8 L1659176-04 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 09:20 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 07:55	09/30/23 07:55	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142924	1	10/02/23 11:22	10/02/23 11:22	DYW	Mt. Juliet, TN

MW-9 L1659176-05 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 09:58 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 08:16	09/30/23 08:16	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142924	1	10/02/23 11:43	10/02/23 11:43	DYW	Mt. Juliet, TN

MW-10 L1659176-06 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 10:47 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 08:38	09/30/23 08:38	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142924	10	10/02/23 12:45	10/02/23 12:45	DYW	Mt. Juliet, TN

MW-10D L1659176-07 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 10:28 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142924	1	10/02/23 12:04	10/02/23 12:04	DYW	Mt. Juliet, TN

DUPLICATE L1659176-08 GW

Collected by: Kendon Stark | Collected date/time: 09/22/23 00:00 | Received date/time: 09/23/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142155	1	09/30/23 08:59	09/30/23 08:59	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142924	20	10/02/23 13:06	10/02/23 13:06	DYW	Mt. Juliet, TN

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

SAMPLE SUMMARY

TRIP BLANK L1659176-09 GW

			Collected by	Collected date/time	Received date/time	
			Kendon Stark	09/22/23 00:00	09/23/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2142233	1	09/30/23 12:20	09/30/23 12:20	JAH	Mt. Juliet, TN

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

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

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1659176-03	MW-5	8260B

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	09/30/2023 06:50	WG2142155
Toluene	U		0.000278	0.00100	1	09/30/2023 06:50	WG2142155
Ethylbenzene	U		0.000137	0.00100	1	09/30/2023 06:50	WG2142155
Total Xylenes	U		0.000174	0.00300	1	09/30/2023 06:50	WG2142155
(S) Toluene-d8	*111*			*80.0-120*		*09/30/2023 06:50*	WG2142155
(S) 4-Bromofluorobenzene	*82.6*			*77.0-126*		*09/30/2023 06:50*	WG2142155
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*09/30/2023 06:50*	WG2142155

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	09/30/2023 07:12	WG2142155
Toluene	U		0.000278	0.00100	1	09/30/2023 07:12	WG2142155
Ethylbenzene	U		0.000137	0.00100	1	09/30/2023 07:12	WG2142155
Total Xylenes	U		0.000174	0.00300	1	09/30/2023 07:12	WG2142155
(S) Toluene-d8	*108*			*80.0-120*		*09/30/2023 07:12*	WG2142155
(S) 4-Bromofluorobenzene	*83.1*			*77.0-126*		*09/30/2023 07:12*	WG2142155
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*09/30/2023 07:12*	WG2142155

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	0.0474		0.0000941	0.00100	1	09/30/2023 07:33	WG2142155
Toluene	U		0.000278	0.00100	1	09/30/2023 07:33	WG2142155
Ethylbenzene	0.538		0.00274	0.0200	20	10/02/2023 12:25	WG2142924
Total Xylenes	0.000380	J	0.000174	0.00300	1	09/30/2023 07:33	WG2142155
(S) Toluene-d8	*131*	J1		*80.0-120*		*09/30/2023 07:33*	WG2142155
(S) Toluene-d8	*90.9*			*80.0-120*		*10/02/2023 12:25*	WG2142924
(S) 4-Bromofluorobenzene	*114*			*77.0-126*		*09/30/2023 07:33*	WG2142155
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*10/02/2023 12:25*	WG2142924
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*09/30/2023 07:33*	WG2142155
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/02/2023 12:25*	WG2142924

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	09/30/2023 07:55	WG2142155
Toluene	U		0.000278	0.00100	1	09/30/2023 07:55	WG2142155
Ethylbenzene	U		0.000137	0.00100	1	10/02/2023 11:22	WG2142924
Total Xylenes	U		0.000174	0.00300	1	09/30/2023 07:55	WG2142155
(S) Toluene-d8	*109*			*80.0-120*		*09/30/2023 07:55*	WG2142155
(S) Toluene-d8	*94.5*			*80.0-120*		*10/02/2023 11:22*	WG2142924
(S) 4-Bromofluorobenzene	*86.9*			*77.0-126*		*09/30/2023 07:55*	WG2142155
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*10/02/2023 11:22*	WG2142924
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*09/30/2023 07:55*	WG2142155
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/02/2023 11:22*	WG2142924

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	09/30/2023 08:16	WG2142155
Toluene	U		0.000278	0.00100	1	09/30/2023 08:16	WG2142155
Ethylbenzene	U		0.000137	0.00100	1	10/02/2023 11:43	WG2142924
Total Xylenes	U		0.000174	0.00300	1	09/30/2023 08:16	WG2142155
(S) Toluene-d8	*115*			*80.0-120*		*09/30/2023 08:16*	WG2142155
(S) Toluene-d8	*89.1*			*80.0-120*		*10/02/2023 11:43*	WG2142924
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*09/30/2023 08:16*	WG2142155
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*		*10/02/2023 11:43*	WG2142924
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*09/30/2023 08:16*	WG2142155
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*10/02/2023 11:43*	WG2142924

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	0.401		0.000941	0.0100	10	10/02/2023 12:45	WG2142924
Toluene	0.0209		0.000278	0.00100	1	09/30/2023 08:38	WG2142155
Ethylbenzene	0.154		0.00137	0.0100	10	10/02/2023 12:45	WG2142924
Total Xylenes	0.0300		0.000174	0.00300	1	09/30/2023 08:38	WG2142155
(S) Toluene-d8	*123*	J1		*80.0-120*		*09/30/2023 08:38*	WG2142155
(S) Toluene-d8	*94.0*			*80.0-120*		*10/02/2023 12:45*	WG2142924
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/30/2023 08:38*	WG2142155
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*10/02/2023 12:45*	WG2142924
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/30/2023 08:38*	WG2142155
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/02/2023 12:45*	WG2142924

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	0.0446		0.0000941	0.00100	1	10/02/2023 12:04	WG2142924
Toluene	0.0178		0.000278	0.00100	1	10/02/2023 12:04	WG2142924
Ethylbenzene	0.00514		0.000137	0.00100	1	10/02/2023 12:04	WG2142924
Total Xylenes	0.00499		0.000174	0.00300	1	10/02/2023 12:04	WG2142924
(S) Toluene-d8	*93.2*			*80.0-120*		*10/02/2023 12:04*	WG2142924
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*10/02/2023 12:04*	WG2142924
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/02/2023 12:04*	WG2142924

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	0.0484		0.0000941	0.00100	1	09/30/2023 08:59	WG2142155
Toluene	0.000337	J	0.000278	0.00100	1	09/30/2023 08:59	WG2142155
Ethylbenzene	0.559		0.00274	0.0200	20	10/02/2023 13:06	WG2142924
Total Xylenes	0.000662	J	0.000174	0.00300	1	09/30/2023 08:59	WG2142155
(S) Toluene-d8	*136*	J1		*80.0-120*		*09/30/2023 08:59*	WG2142155
(S) Toluene-d8	*90.7*			*80.0-120*		*10/02/2023 13:06*	WG2142924
(S) 4-Bromofluorobenzene	*117*			*77.0-126*		*09/30/2023 08:59*	WG2142155
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*10/02/2023 13:06*	WG2142924
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/30/2023 08:59*	WG2142155
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/02/2023 13:06*	WG2142924

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Collected date/time: 09/22/23 00:00
L1659176

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	09/30/2023 12:20	WG2142233
Toluene	U		0.000278	0.00100	1	09/30/2023 12:20	WG2142233
Ethylbenzene	U		0.000137	0.00100	1	09/30/2023 12:20	WG2142233
Total Xylenes	U		0.000174	0.00300	1	09/30/2023 12:20	WG2142233
(S) Toluene-d8	*91.6*			*80.0-120*		*09/30/2023 12:20*	WG2142233
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*09/30/2023 12:20*	WG2142233
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*09/30/2023 12:20*	WG2142233

Method Blank (MB)

(MB) R3980231-3 09/30/23 02:32

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	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

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

(LCS) R3980231-1 09/30/23 01:28 • (LCSD) R3980231-2 09/30/23 01:49

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	0.00523	0.00495	105	99.0	70.0-123			5.50	20
Toluene	0.00500	0.00505	0.00483	101	96.6	79.0-120			4.45	20
Ethylbenzene	0.00500	0.00455	0.00440	91.0	88.0	79.0-123			3.35	20
Total Xylenes	0.0150	0.0132	0.0130	88.0	86.7	79.0-123			1.53	20
(S) Toluene-d8				*105*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*90.6*	*87.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R3981459-3 09/30/23 05:41

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	*93.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

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

(LCS) R3981459-1 09/30/23 04:44 • (LCSD) R3981459-2 09/30/23 05:03

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	0.00576	0.00585	115	117	70.0-123			1.55	20
Toluene	0.00500	0.00487	0.00491	97.4	98.2	79.0-120			0.818	20
Ethylbenzene	0.00500	0.00483	0.00495	96.6	99.0	79.0-123			2.45	20
Total Xylenes	0.0150	0.0139	0.0150	92.7	100	79.0-123			7.61	20
(S) Toluene-d8				*92.0*	*91.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*113*	*70.0-130*				

Method Blank (MB)

(MB) R3981052-2 10/02/23 10:41

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	*92.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*86.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3981052-1 10/02/23 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00551	110	70.0-123	
Toluene	0.00500	0.00483	96.6	79.0-120	
Ethylbenzene	0.00500	0.00427	85.4	79.0-123	
Total Xylenes	0.0150	0.0121	80.7	79.0-123	
(S) Toluene-d8			*92.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*90.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*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.
J1	Surrogate recovery limits have been exceeded; values are outside upper 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:
DCP Midstream - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: **Brett Dennis**

Email To: **swweathers@dcpmidstream.com;knorman@tas**

Project Description: **Linam Ranch**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **575-318-5017**

Client Project #

Lab Project # **DCPTASMAN-LINAM**

Collected by (print): Kendon Stark

Site/Facility ID #

P.O. # **0000662143**

Collected by (signature): Kendon Stark

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-1	Grab	GW	NA	9.22.23	08:50	3	X			-01
MW-2	~~Grab~~	~~GW~~				~~3~~	~~X~~			
MW-3	Grab	GW	NA	9.22.23	09:40	3	X			-02
MW-4		~~GW~~				~~3~~	~~X~~			
MW-5	Grab	GW	NA	9.22.23	11:07	3	X			-03
MW-6		~~GW~~				~~3~~	~~X~~			
MW-7		~~GW~~				~~3~~	~~X~~			
MW-8	Grab	GW	NA	9.22.23	09:20	3	X			-04
MW-9	Grab	GW	NA	9.22.23	09:58	3	X			-05
MW-10	Grab	GW	NA	9.22.23	10:47	3	X			-06

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 # 16991-76
D007

Acctnum: **DCPTASMAN**
Template: **T127845**
Prelogin: **P1023531**
PM: **824 - Chris Ward**
PB: CR 9-7-23

Shipped Via: **FedEX Ground**

* 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 # 6481 5472 1777

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
Kendon Stark	9.22.23	12:30		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: CLAS °C Bottles Received: 4.8+0-4.8 24	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Alexa Mitchell @	Date: 9/23/23 Time: 0900	Hold: Condition: NCF / OK

Company Name/Address:
DCP Midstream - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: **Brett Dennis**

Email To: **swweathers@dcpmidstream.com;knorman@tas**

Project Description: **Linam Ranch**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **575-318-5017**

Client Project #

Lab Project # **DCPTASMAN-LINAM**

Collected by (print): Kendon Stark

Site/Facility ID #

P.O. # **0000662143**

Collected by (signature): Kendon Stark

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-10D	Grab	GW	NA	9.22.23	10:28	3	X			-07
MW-11		GW				3	X			
DUPLICATE	Grab	GW	NA	9.22.23		3	X			-08
		GW				3	X			
TRIP BLANK		GW				3		X		-09

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

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SDG # 659176

Table #

Acctnum: **DCPTASMAN**

Template: **T127845**

Prelogin: **P1023531**

PM: **824 - Chris Ward**

PB: AP 9.7.23

Shipped Via: **FedEX Ground**

* 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 # 6481 9472 1777

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
Kendon Stark	9.22.23	12:30		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.4°C Bottles Received: 4.8+0=4.8 24	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Alexa Mitchell @	Date: 9/23/23 Time: 0900	Hold: Condition: NCF OK

Appendix C

NMOCD Sampling Notifications

From: Weathers, Stephen W
To: "Velez, Nelson, EMNRD"; mike.bratcher@state.nm.us
Subject: Notification of DCP 1st Quarter 2023 Groundwater Monitoring for SENM Remediation Projects

Nelson/Mike
This email is to serve as notification that Tasman will be conducting the 1st Quarter 2023 groundwater sampling event during March at several DCP Midstream remediation sites.
Below is the estimated sampling schedule

1st Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Comments/NMOCD Case Number
Tuesday, March 14-15, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	AP-114/Sampling
Thursday, March 16, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	2RP-799/Sampling
Thursday, March 16, 2023	12:00 PM	PCA Junction	Eddy	E and L	11	20S	30E	2RP-43/Sampling
Friday, March 17, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	AP-122/Sampling
Monday, March 20 - 21, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	AP-55/Sampling
Wednesday, March 22, 2023	8:00 AM	Linam Ranch	Lea	B	6	19S	37E	GW-015/Sampling

Let me know if you have any questions or concerns with the schedule.
Thanks
Steve Weathers, P.G.
Environmental Specialist
DCP Midstream, LP
6900 E. Layton Avenue - Suite 900
Denver, CO 80237
Cell 303.619.3042

From: Weathers, Stephen
To: Kyle Norman; Brett Dennis
Subject: FW: [EXTERNAL] Notification of DCP 3rd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects
Date: Wednesday, September 6, 2023 3:21:51 PM
Attachments: image002.png
image005.png
image001.jpg
Outlook-lmfq0qgu.png
image003.jpg
image004.jpg

See Nelson's comments below. We just need to let them know of any changes to the schedule. I would strictly adhere to your schedule if at all possible.

Steve Weathers, P.G.
Program Manager, Remediation Management

Phillips 66 | 6900 E. Layton Ave.| Suite 900
Denver, CO 80237-3658 | M: 303-619-3042
stephen.weathers@p66.com

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, September 6, 2023 2:19 PM
To: Weathers, Stephen <Stephen.Weathers@p66.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Notification of DCP 3rd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects

Stephen,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

Thanks again

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Weathers, Stephen <Stephen.Weathers@p66.com>
Sent: Wednesday, September 6, 2023 1:50 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] Notification of DCP 3rd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects

Nelson/Mike
This email is to serve as notification that Tasman will be conducting the 3rd Quarter 2023 groundwater sampling event during September at several DCP remediation sites.
Below is the estimated sampling schedule.

3nd Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Comments/NMOCD Case Number
Monday, September 18-19, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	AP-114/Sampling

Wednesday, September 20, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	AP-122/Sampling
Thursday, September 21, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	AP-55/Sampling
Friday, September 22, 2023	8:00 AM	Linam Ranch	Lea	B	6	19S	37E	GW-015/Sampling
Monday, September 25-27 2023	8:00 AM	Eldridge Ranch	Lea	P	21	19S	37E	AP-33/Sampling
Thursday, September 28, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	2RP-799/Sampling

Let me know if you have any questions or concerns with the schedule.

Thanks

Steve

Steve Weathers, P.G.
Program Manager, Remediation Management

Phillips 66 | 6900 E. Layton Ave.| Suite 900
Denver, CO 80237-3658 | M: 303-619-3042
stephen.weathers@p66.com

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 322800

CONDITIONS

Operator:	OGRID:
DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	36785
	Action Number: 322800
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Summary Report for Linam Ranch Natural Gas Plant: Content Satisfactory 1. Continue to collect groundwater samples on a semi-annual basis until COCs start to demonstrate concentrations below the WQCC human health standards, then schedule to quarterly sampling events. 2. Continue LNAPL recovery in wells that have accumulated sufficient volume for removal. 3. Submit the 2024 Annual Report by April 1, 2025.	6/17/2024