

2023 Annual Groundwater Monitoring Summary Report

Monument Booster Station
Lea County, New Mexico
1RP-1560
Incident # nAUTOfAB000403



REVIEWED

By Mike Buchanan at 3:12 pm, Jun 18, 2024

Prepared for:



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Review of the 2023 Annual Groundwater Monitoring Summary for the Monument Booster Station:
Content Satisfactory
1. Continue semi-annual groundwater monitoring events for constituents of concern.
2. Continue to conduct EFR events at MW-1, MW-5, and MW-7 as necessary.
3. Submit the 2024 Annual Report to OCD by--or before--April 1, 2025.

March 11, 2024



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	- Pace Laboratories Job #: L1687719
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1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the 2023 calendar year at the Monument Booster Station (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 June 27, and December 12, 2023. The data collected were 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 33, Township 19 South, Range 37 East (Figure 1). The facility coordinates are 32.6240 degrees north and 103.2555 degrees west. This facility is an active natural gas compression plant and consists of a main compressor building and other process-related facilities. DCP also owns the property to the south and east that is contiguous to the fenced facility Site boundary (Figure 2).

In 1992, three underground storage tanks (USTs) that formerly contained used oil and pipeline-liquids (oil and/or natural gas liquid condensate) near the main compressor building were removed. At that time and again in 1994, hydrocarbon-impacted soils (approximately 1,000 cubic yards in total) were excavated and removed from the Site. Also in 1994, subsurface soil and groundwater investigation activities were initiated to define the horizontal and vertical extent of residual hydrocarbon impacts. Two groundwater monitoring wells were installed, and six soil borings were advanced as part of this investigation. In 1995, six additional monitoring wells were installed, and one soil boring was advanced.

Hand bailing of LNAPL was initiated in monitoring wells MW-1 and MW-5 in 1995 or 1996. In 1997, an automated pneumatic LNAPL recovery pumping system (Xitech System) was installed in these wells. In 1999 or 2000, the Xitech System was taken out of service at both wells and replaced by product absorbent socks and hand bailing. In mid-2000, product removal activities were ceased while groundwater monitoring continued.

The Site currently has eight groundwater monitoring wells (MW-1, MW-1D, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7). Seven of the wells are located on the gas compressor facility, and MW-3 is located in the southeast corner of the adjacent DCP-owned property. Well MW-2 is located in the northwest corner of the Site and is up-gradient of Site impacts.

Based on previously collected data, it appears that a release of hydrocarbons occurred near the former pipeline-liquid aboveground storage tank (AST) located near monitoring wells MW-1 and MW-1D in the center of the gas compressor facility along the eastern property boundary (Figure 2). Since 1994 or 1995,

monitoring wells MW-1 and MW-5 have historically exhibited LNAPL, however overall measurable thicknesses have been significantly reduced since vacuum enhanced fluid recovery activities were implemented in the First Half 2014. Ongoing fluctuations in LNAPL thicknesses at these locations are likely associated with seasonal fluctuations in regional groundwater levels.

Subsequent to the second half 2016 monitoring event, monitoring well MW-6 was removed from the Site Sampling Plan based on dissolved phase petroleum hydrocarbon constituent concentrations that were reported below laboratory detection limits for 13 consecutive quarters. Additionally, due to the MW-6 location being near the flare stack for the compressor facility, conducting monitoring well gauging and sampling activities in the area was determined an unnecessary added health and safety concern.

3. Groundwater Monitoring

This section describes the groundwater field and laboratory activities performed during 2023, occurring on June 27, and December 12, 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 were measured to evaluate hydraulic characteristics and provide information regarding seasonal and annual fluctuations in groundwater and LNAPL elevations at the Site. During the reporting period, groundwater levels were measured at seven site monitoring well locations. Measurable LNAPL was observed in MW-1 in the June and December sampling events. LNAPL was not observed in MW-5 during the December 2023 sampling event, however, a sheen of LNAPL was observed in monitor MW-5 during the June 2023 event.

Groundwater 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 levels were later converted to elevations (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 Figure 3 and 4, indicates that groundwater flow at the Site trends to the southeast. Groundwater elevations increased during the monitoring period compared to the second half 2023 by an average of 0.26 feet. 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

	June 27, 2023	December 12, 2023
Maximum Elevation (Well ID)	3564.40 (MW-2)	3565.65 (MW-2)
Minimum Elevation (Well ID)	3558.49 (MW-3)	3558.61 (MW-3)
Potentiometric Surface Average Change (ft)	-0.23	0.74
Hydraulic Gradient (ft/ft)	0.00642	0.00765

LNAPL was observed in monitoring well MW-1 during each monitoring event of 2023, while monitor well MW-5 was observed only having a sheen of LNAPL during the June 27th event. Monitor well MW-1 had a measurable thickness of 0.16 feet and 1.14 feet during the June and December events, respectively.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements, groundwater samples were collected from six of the on-site wells. 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 Laboratories (Pace) in Mount Juliet, Tennessee, for analysis. Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylenes (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 December 12, 2023, event is presented in Appendix A, and the laboratory analytical report for 2023 is included in Appendix B. The laboratory analytical results are displayed on Figure 4 and NMOCD sampling notifications are included as Appendix C.

Analytical results/observations are summarized below:

- Benzene was detected at concentrations greater than the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.010 milligrams per liter (mg/L) in monitoring well MW-5 in both June and December monitoring events. The detected concentration for MW-5 in June was 0.0120 mg/L and concentration in December was 0.0116 mg/L. Monitor well MW-1 was not sampled due to the presence of LNAPL.
- Toluene, ethylbenzene, and total xylenes were not detected above NMWQCC standards and/or the laboratory method detection limit in any of the sampled Site monitoring wells.

3.3 Data Quality Assurance / Quality Control

A trip blank and field duplicate sample (MW-5) were collected during both sampling events. The data were reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed and indicate that samples were received at the proper temperature with no headspace. All data were reported using the correct method number and reporting units. QA/QC items of note for the 2023 include the following:

- Target analytes were not detected in the trip blank
- Relative percent differences for parent samples and duplicates collected during the 2023 reporting period are shown in the table below:
- The calculated RPDs for the first and second halves of 2023 are 0.84% and 5.04%, respectively, which falls within the 20% target range.

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

4. Remediation Activities

This section outlines remedial activities performed at the site.

4.1 Vacuum Enhanced Fluid Recovery

Enhanced fluid recovery (EFR) events were initiated in June 2013 to address the free phase petroleum hydrocarbon plume on-site. Historical EFR activities included the application of high vacuum, using a vacuum truck, to individual well points (MW-1, MW-5, and MW-7) through a stinger pipe assembly. The stinger was placed slightly below the LNAPL/groundwater interface, thereby removing LNAPL, groundwater, and vapors from the subsurface.

Remediation activities completed onsite through the second half 2021 have been presented to the OCD in previously submitted reports. Based on observations following the fourth quarter 2020, DCP temporarily discontinued EFR events for 2021 to further evaluate and determine if the effects of EFR cause the decline of dissolved phase contaminants or natural attenuation is occurring.

Four EFR events were conducted during the 2023 calendar year on March 23, June 29, September 25, and December 14, 2023. EFR was applied to monitoring wells MW-1 and MW-5 for approximately 4 hours each during the March and September event. In June and December an 8-hour event was performed on monitor well MW-1 only due to no measurable LNAPL being present at monitor well MW-5. Recovered volumes are as follows:

- March 23, 2023 – 36 barrels (bbls)

- June 29, 2023 – 40 bbls
- September 25, 2023 – 32 bbls
- December 14, 2023 – 28 bbls

The recovered groundwater was transported for disposal at the Cooper Disposal Facility in Hobbs, New Mexico.

5. Conclusions

Data and observations collected during 2023 yield the following general conclusions:

- Based on historical groundwater elevations, the potentiometric surface at the Site has remained relatively stable with minor elevation changes likely due to seasonal variations.
- The analytical results from the groundwater samples collected at MW-5 indicate that remaining source material at the Site is highly degraded and does not contribute significantly to dissolved phase impacts.
- MW-3 and MW-4 have not had any BTEX constituents detected since May 1995.
- LNAPL thickness increased at MW-1 from 0.16 feet in the first half 2023 to 1.14 feet in the second half 2023.

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 existing monitoring well locations illustrated on Figure 2.
- Continue quarterly EFR events at monitor well MW-1 and monitor wells MW-5 and MW-7 as needed.

Tables

**TABLE 1
2023 ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
MONUMENT BOOSTER STATION
LEA COUNTY, NEW MEXICO**

Location		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	6/27/2023	29.09	28.93	0.16	41.19	3591.15	3562.18	-0.29
MW-1	12/12/2023	28.57	27.43	1.14	41.89	3591.15	3563.44	1.26
MW-1D	6/27/2023	28.95			36.29	3591.31	3562.36	-0.38
MW-1D	12/12/2023	27.99			36.24	3591.31	3563.32	0.96
MW-2	6/27/2023	31.90			43.24	3596.30	3564.40	-0.35
MW-2	12/12/2023	30.65			43.27	3596.30	3565.65	1.25
MW-3	6/27/2023	25.11			35.75	3583.60	3558.49	-0.08
MW-3	12/12/2023	24.99			35.53	3583.60	3558.61	0.12
MW-4	6/27/2023	28.54			39.09	3588.77	3560.23	-0.20
MW-4	12/12/2023	28.17			38.92	3588.77	3560.60	0.37
MW-5	6/27/2023	30.44	SHEEN		38.47	3592.16	3561.72	-0.31
MW-5	12/12/2023	29.69			38.47	3592.16	3562.47	0.75
MW-6	6/27/2023	NM			NM	3587.93	NM	NM
MW-6	12/12/2023	NM			NM	3587.93	NM	NM
MW-7	6/27/2023	28.03			38.03	3589.40	3561.37	0.03
MW-7	12/12/2023	27.57			37.86	3589.40	3561.83	0.46
Average change in groundwater elevation (2023)								0.26

Notes:

1- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected during 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/cc)

NM = Not Measured

TABLE 2
2023 ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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	06/27/23	NS	NS	NS	NS	LNAPL Present - No Sample Collected
MW-1	12/12/23	NS	NS	NS	NS	LNAPL Present - No Sample Collected
MW-1D	06/27/23	0.000348 J	<0.00100	<0.00100	<0.00300	
MW-1D	12/12/23	0.000800 J	<0.00100	<0.00100	<0.00300	
MW-2	06/27/23	0.0000971 J	<0.00100	<0.00100	<0.00300	
MW-2	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	06/27/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	06/27/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-5	06/27/23	0.0120	0.000436 J	0.00849	0.000520 J	Duplicate sample collected
MW-5 (Duplicate)	06/27/23	0.0119	0.000343 J	0.00791	0.000709 J	
MW-5	12/12/23	0.0116	<0.00100	0.00573	0.015	Duplicate sample collected
MW-5 (Duplicate)	12/12/23	0.0122	0.000326 J	0.00564	0.000224 J	
MW-6	06/27/23	Removed from site sampling plan				
MW-6	12/12/23	Removed from site sampling plan				
MW-7	06/27/23	0.00214	<0.00100	0.000555 J	0.000402 J	
MW-7	12/12/23	0.00118	<0.00100	0.000376 J	0.000289 J	
Trip Blank	06/27/23	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	

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

NMWQCC = New Mexico Water Quality Control Commission

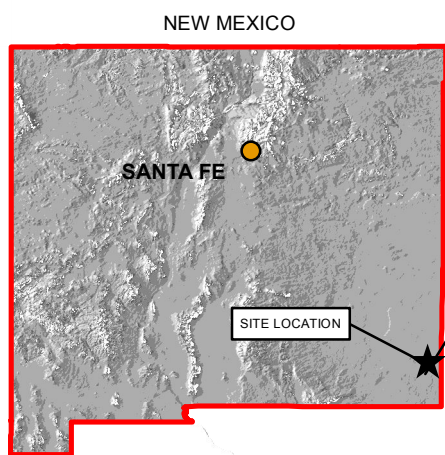
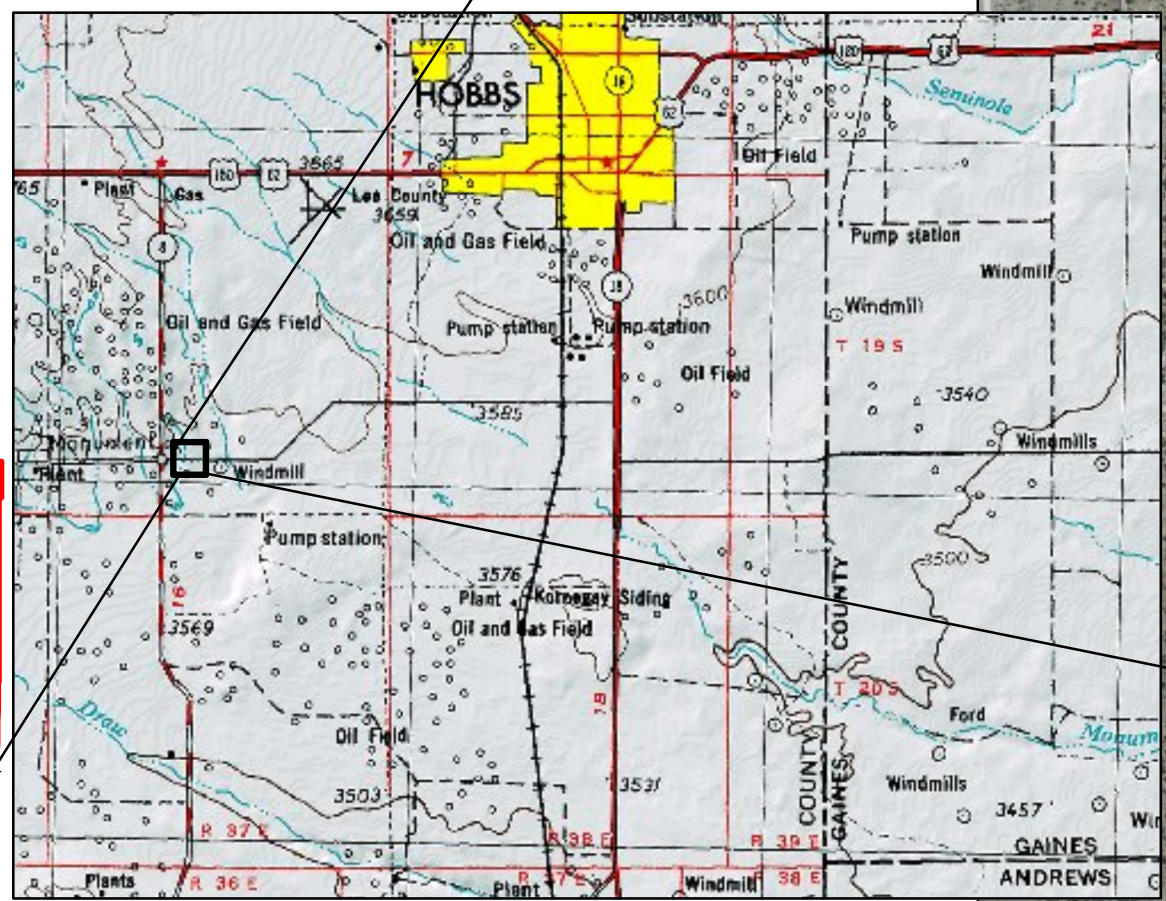
LNAPL = Light Non-Aqueous Phase Liquid

J = Estimated Value

mg/L = milligrams per liter

J = A qualifier indicating an estimated value of a concentration above the laboratory's Method Detection Limit (MDL) but below the Reporting Limit (RL).

Figures



DATE:	December 2014
DESIGNED BY:	T. Johansen
DRAWN BY:	D. Arnold


TASMAN Tasman Geosciences, LLC
 GEOSCIENCES 6899 Pecos Street - Unit C
 Denver, CO 80221

DCP Midstream
Monument Booster Station
 Unit B, Section 33, Township 19 South, Range 37 East
 Lea County, New Mexico

Site Location Map

Figure 1



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


Tasman, Inc.
 6855 W. 119th Ave
 Broomfield, CO 80020

DCP Operating Company. LP
Monument Booster Station
 UL "B", Sec. 33, T19S, R37E
 Lea County, New Mexico

Site Overview Map

Figure 2



Imagery Source: Google Earth 2015

DATE: February 2024

DESIGNED BY: B. Dennis

DRAWN BY: B. Dennis

TASMAN Tasman, Inc.
 6855 W. 119th Ave
 Broomfield, CO 80020

DCP Operating Company, LP
Monument Booster Station
 2023 Annual Groundwater Monitoring
 Summary Report

Groundwater Elevation
 Contour Map
 (June 27, 2023)

Figure 3



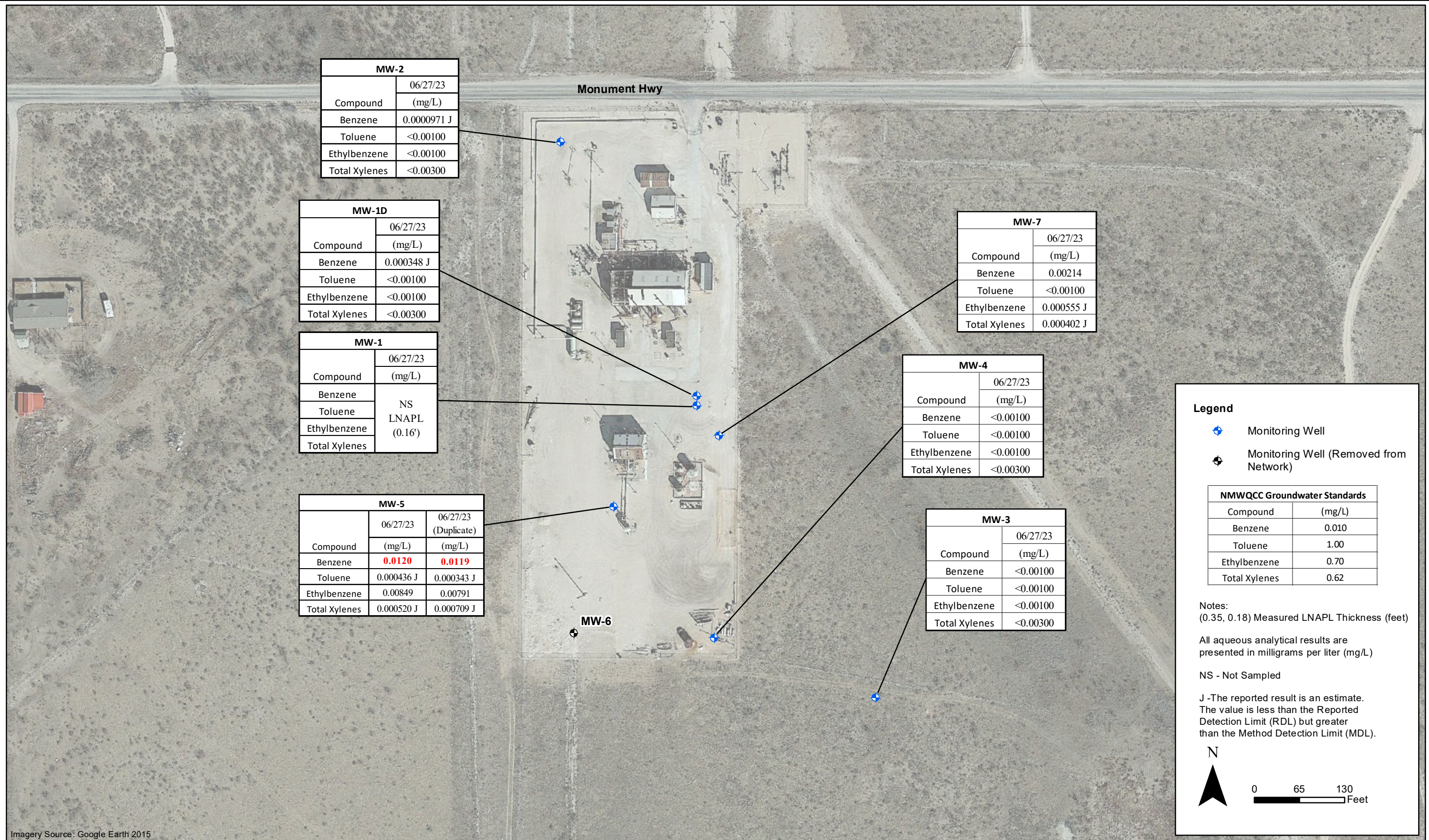
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DCP Operating Company, LP
Monument Booster Station
 2023 Annual Groundwater Monitoring
 Summary Report

Groundwater Elevation
 Contour Map
 (December 12, 2023)

Figure
4



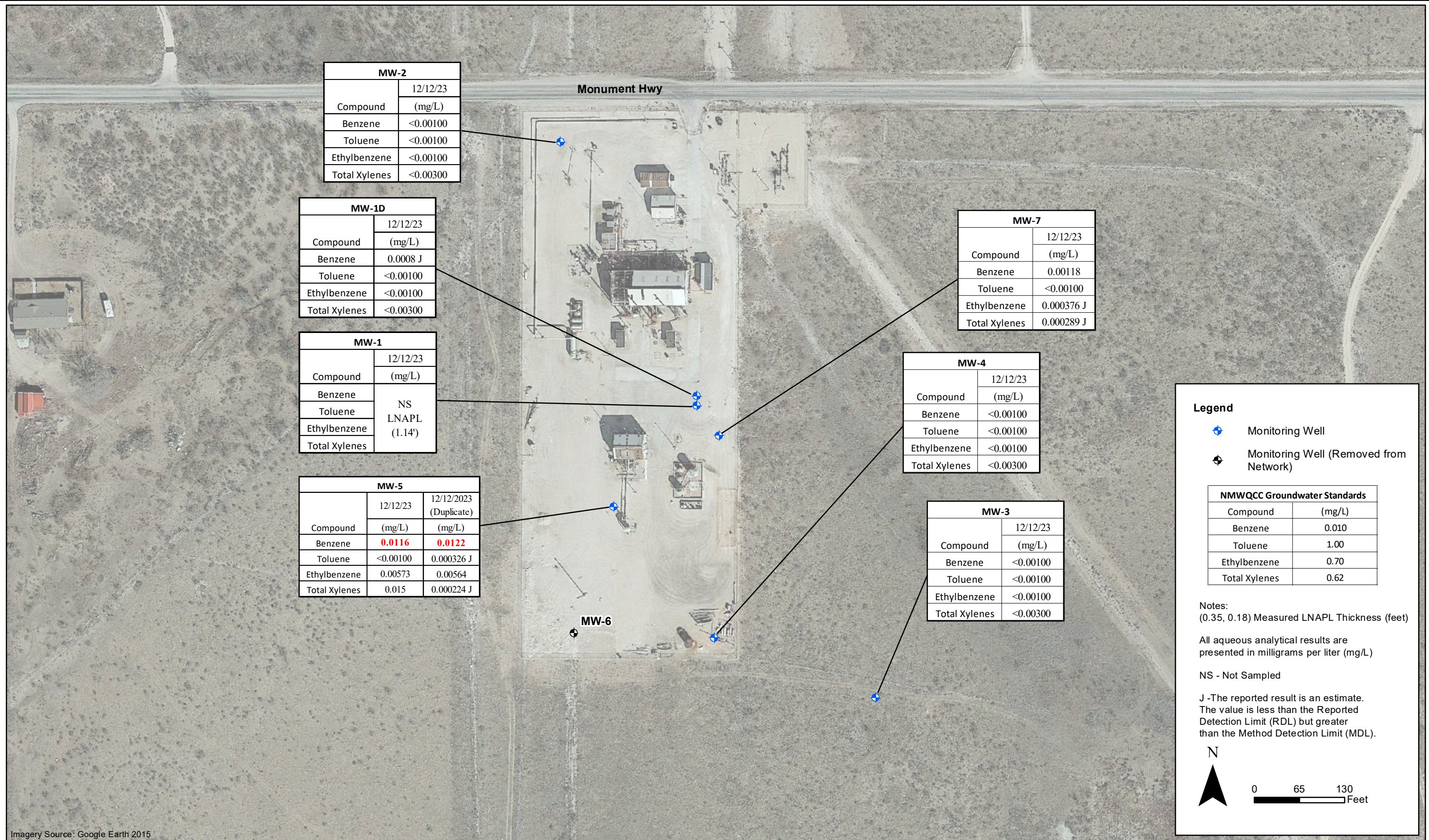
DATE: February 2024
 DESIGNED BY: B. Dennis
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TASMAN Tasman, Inc.
 6855 W. 119th Ave
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DCP Operating Company, LP
Monument Booster Station
 2023 Annual Groundwater Monitoring
 Summary Report

Analytical Results Map
 (June 27, 2023)

Figure
 5



DATE: February 2024
 DESIGNED BY: B. Dennis
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TASMAN Tasman, Inc.
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DCP Operating Company, LP
Monument Booster Station
 2023 Annual Groundwater Monitoring
 Summary Report

Analytical Results Map
 (December 12, 2023)

Figure
 5

Appendix A
Historical Analytical Results

**APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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	09/15/11	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	03/06/12	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	09/05/12	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	02/21/13	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	02/26/14	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	09/24/14	Not Sampled - LNAPL Residue				
MW-1	02/24/15	0.015	<0.001	0.011	<0.003	
MW-1	09/01/15	0.042	<0.005	<0.005	<0.015	
MW-1	03/21/16	0.098	<0.005	0.052	<0.015	
MW-1	09/26/16	0.011	<0.001	<0.001	<0.003	
MW-1	03/07/17	0.047	<0.001	0.031	0.0021	
MW-1	09/25/17	0.0584	<0.0010	0.0902	0.00485	
MW-1	03/13/18	0.0456	<0.0010	0.0344	0.00221 J	
MW-1	09/17/18	0.0846	0.000445 J	0.141	0.00783	
MW-1	03/20/19	0.134	<0.0010	0.16	0.00833	
MW-1	09/19/19	0.127	<0.0050	0.137	0.0108 J	
MW-1	06/22/20	0.084	<0.0050	0.0603	0.0048	
MW-1	09/17/20	0.0993	<0.0100	0.0599	0.00500	
MW-1	03/26/21	0.185	<0.0100	0.142	0.0179 J	
MW-1	09/28/21	NS	NS	NS	NS	LNAPL Present - No Sample Collected
MW-1	03/25/22	NS	NS	NS	NS	LNAPL Present - No Sample Collected
MW-1	12/09/22	0.0646	<0.0100	0.226	0.0146 J	0.94 ft LNAPL
MW-1	06/27/23	NS	NS	NS	NS	LNAPL Present - No Sample Collected
MW-1	12/12/23	NS	NS	NS	NS	LNAPL Present - No Sample Collected
MW-1D	05/16/95	0.018	0.015	0.006	0.016	
MW-1D	11/15/95	0.003	0.002	<0.001	0.001	
MW-1D	01/18/96	0.004	0.003	<0.001	0.009	
MW-1D	04/24/96	<0.001	<0.001	<0.001	<0.001	
MW-1D	01/22/97	0.001	0.001	<0.001	<0.001	
MW-1D	08/11/97	<0.001	<0.001	<0.001	<0.001	
MW-1D	01/23/98	<0.001	<0.001	<0.001	<0.001	
MW-1D	08/03/98	<0.001	<0.001	<0.001	<0.001	
MW-1D	02/10/99	<0.001	<0.001	<0.001	<0.001	
MW-1D	08/17/99	<0.001	<0.001	<0.001	<0.001	
MW-1D	02/17/00	0.002	0.003	<0.001	0.001	
MW-1D	08/23/00	<0.005	<0.005	<0.005	<0.005	
MW-1D	02/08/01	<0.001	<0.001	<0.001	0.001	
MW-1D	07/30/01	<0.001	<0.001	<0.001	<0.001	
MW-1D	02/13/02	<0.001	<0.001	<0.001	<0.001	
MW-1D	09/27/02	<0.001	<0.001	<0.001	<0.001	
MW-1D	04/25/03	<0.005	<0.005	<0.005	<0.005	
MW-1D	09/18/03	0.002	<0.001	<0.001	<0.001	
MW-1D	03/17/04	<0.001	<0.001	<0.001	<0.001	
MW-1D	08/17/04	<0.001	<0.001	<0.001	<0.001	
MW-1D	03/04/05	<0.001	<0.001	<0.001	<0.001	
MW-1D	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW-1D	03/16/06	<0.001	<0.001	<0.001	<0.001	
MW-1D	09/20/06	<0.001	<0.001	<0.001	<0.001	
MW-1D	03/22/07	<0.001	<0.001	<0.001	<0.001	
MW-1D	09/25/07	<0.001	<0.001	<0.001	<0.001	
MW-1D	03/19/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	03/20/08	<0.002	<0.002	<0.002	<0.006	
MW-1D	09/17/08	<0.002	<0.002	<0.002	<0.002	
MW-1D	03/10/09	<0.002/<0.002	<0.002/<0.002	<0.002/<0.002	<0.006/<0.006	
MW-1D	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-1D	09/23/09	<0.002	<0.002	<0.002	<0.006	
MW-1D	09/23/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	05/17/10	<0.002	<0.002	<0.002	<0.006	
MW-1D	05/17/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-1D	09/16/10	<0.002	<0.002	<0.002	<0.004	
MW-1D	09/16/10	<0.00030	<0.0010	<0.00030	-	
MW-1D	04/26/11	<0.001	<0.002	<0.002	<0.002	
MW-1D	04/26/11	<0.00030	<0.0010	<0.00030	<0.00060	
MW-1D	09/15/11	<0.001	<0.002	<0.002	<0.004	
MW-1D	03/06/12	<0.005	<0.005	<0.005	<0.015	
MW-1D	09/05/12	<0.005	<0.005	<0.005	<0.015	
MW-1D	02/21/13	0.016	<0.001	<0.001	<0.003	
MW-1D	09/11/13	0.0029	<0.001	<0.001	<0.001	
MW-1D	02/26/14	<0.001	<0.001	<0.001	<0.001	

**APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-1D	09/24/14	<0.001	<0.001	<0.001	<0.003	
MW-1D	02/24/15	<0.001	<0.001	<0.001	<0.003	
MW-1D	09/01/15	<0.001	<0.001	<0.001	<0.003	
MW-1D	03/21/16	<0.001	<0.001	<0.001	<0.003	
MW-1D	09/26/16	<0.001	<0.001	<0.001	<0.003	
MW-1D	03/07/17	<0.001	<0.001	<0.001	<0.001	
MW-1D	09/25/17	0.000958 J	<0.0010	<0.0010	<0.0030	
MW-1D	03/13/18	0.000918 J	<0.0010	<0.0010	<0.0030	
MW-1D	09/17/18	0.000918 J	<0.0010	<0.0010	<0.0030	
MW-1D	03/20/19	0.00544	<0.0010	0.000403 J	<0.0030	
MW-1D	09/19/19	0.00736	<0.0010	<0.0010	<0.0030	
MW-1D	06/22/20	0.0032	<0.0010	<0.0010	<0.0030	
MW-1D	09/17/20	0.00244	<0.00100	<0.00100	<0.00300	
MW-1D	03/26/21	0.00217	<0.00100	<0.00100	<0.00300	
MW-1D	09/28/21	0.00146	<0.00100	<0.00100	<0.00300	
MW-1D	03/25/22	0.000462 J	<0.00100	<0.00100	<0.00300	
MW-1D	12/09/22	0.000589 J	<0.00100	<0.00100	<0.00300	
MW-1D	06/27/23	0.000348 J	<0.00100	<0.00100	<0.00300	
MW-1D	12/12/23	0.0008 J	<0.00100	<0.00100	<0.00300	
MW-2	05/16/95	<0.001	<0.001	<0.001	<0.001	
MW-2	11/15/95	NS	0.006	0.002	-	
MW-2	01/18/96	<0.001	<0.001	<0.001	<0.001	
MW-2	04/24/96	<0.001	<0.001	<0.001	<0.001	
MW-2	01/22/97	<0.001	<0.001	<0.001	<0.001	
MW-2	08/11/97	<0.001	<0.001	<0.001	<0.001	
MW-2	01/23/98	<0.001	<0.001	<0.001	<0.001	
MW-2	08/03/98	<0.001	<0.001	<0.001	<0.001	
MW-2	02/10/99	<0.001	<0.001	<0.001	<0.001	
MW-2	08/17/99	0.017	0.002	0.013	0.003	
MW-2	02/17/00	<0.001	<0.001	<0.001	<0.001	
MW-2	08/23/00	<0.001	<0.001	<0.001	<0.001	
MW-2	02/08/01	<0.001	<0.001	<0.001	<0.001	
MW-2	07/30/01	<0.001	<0.001	<0.001	<0.001	
MW-2	02/13/02	<0.001	<0.001	<0.001	<0.001	
MW-2	09/27/02	<0.001	<0.001	<0.001	<0.001	
MW-2	04/25/03	<0.001	<0.001	<0.001	<0.001	
MW-2	09/18/03	0.002	<0.001	<0.001	<0.001	
MW-2	03/17/04	<0.001	<0.001	<0.001	<0.001	
MW-2	08/17/04	<0.001	<0.001	<0.001	<0.001	
MW-2	03/04/05	<0.001	<0.001	<0.001	<0.001	
MW-2	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW-2	03/16/06	<0.001	<0.001	<0.001	<0.001	
MW-2	09/20/06	<0.001	<0.001	<0.001	<0.001	
MW-2	03/22/07	<0.001	<0.001	<0.001	<0.001	
MW-2	09/25/07	<0.001	<0.001	<0.001	<0.001	
MW-2	03/19/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-2	03/20/08	<0.002	<0.002	<0.002	<0.006	
MW-2	09/17/08	<0.002	<0.002	<0.002	<0.006	
MW-2	03/10/09	<0.002	<0.002	<0.002	<0.006	
MW-2	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-2	09/23/09	<0.002	<0.002	<0.002	<0.006	
MW-2	09/23/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-2	05/17/10	<0.002	<0.002	<0.002	<0.006	
MW-2	05/17/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-2	09/16/10	<0.001	<0.002	<0.002	<0.004	
MW-2	09/16/10	<0.00030	<0.0010	<0.00030	-	
MW-2	04/26/11	<0.001	<0.002	<0.002	<0.002	
MW-2	04/26/11	<0.00030	<0.0010	<0.00030	<0.00060	
MW-2	09/15/11	<0.001	<0.002	<0.002	<0.004	
MW-2	03/06/12	<0.005	<0.005	<0.005	<0.015	
MW-2	09/05/12	<0.005	<0.005	<0.005	<0.015	
MW-2	02/21/13	<0.001	<0.001	<0.001	<0.003	
MW-2	09/11/13	<0.001	<0.001	<0.001	<0.001	
MW-2	02/26/14	<0.001	<0.001	<0.001	<0.001	
MW-2	09/24/14	<0.001	<0.001	<0.001	<0.003	MS/MSD Collected
MW-2	02/24/15	<0.001	<0.001	<0.001	<0.003	
MW-2	09/01/15	<0.001	<0.001	<0.001	<0.003	
MW-2	03/21/16	<0.001	<0.001	<0.001	<0.003	

**APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-2	09/26/16	<0.001	<0.001	<0.001	<0.003	
MW-2	03/07/17	<0.001	<0.001	<0.001	<0.001	
MW-2	09/25/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	03/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/18/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	03/20/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/19/19	0.00796	0.00224	<0.0010	<0.0030	
MW-2	10/08/19	0.258	0.0886	0.00391 J	0.0146 J	Re-sample
MW-2	06/22/20	<0.0010	<0.0010	<0.0010	<0.0030	
MW-2	09/17/20	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	03/26/21	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	09/28/21	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	03/25/22	<0.00100	<0.00100	<0.00100	<0.00300	
MW-2	12/09/22	0.00468	0.000418 J	<0.00100	<0.00300	
MW-2	06/27/23	0.0000971 J	<0.00100	<0.00100	<0.00300	
MW-2	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	05/16/95	<0.001	<0.001	<0.001	<0.001	
MW-3	11/15/95	<0.001	<0.001	<0.001	<0.001	
MW-3	01/18/96	<0.001	<0.001	<0.001	<0.001	
MW-3	04/24/96	<0.001	<0.001	<0.001	<0.001	
MW-3	01/22/97	<0.001	<0.001	<0.001	<0.001	
MW-3	08/11/97	<0.001	<0.001	<0.001	<0.001	
MW-3	01/23/98	<0.001	<0.001	<0.001	<0.001	
MW-3	08/03/98	0.007	<0.001	<0.001	<0.001	
MW-3	02/10/99	<0.005	<0.005	<0.005	<0.005	
MW-3	08/17/99	0.043	<0.005	<0.005	<0.005	
MW-3	02/17/00	0.021	<0.005	<0.005	<0.005	
MW-3	08/23/00	0.006	<0.005	<0.005	<0.005	
MW-3	02/08/01	0.004	0.001	0.002	0.005	
MW-3	07/30/01	0.002	<0.001	<0.001	<0.001	
MW-3	02/13/02	0.002	<0.001	<0.001	<0.001	
MW-3	09/27/02	<0.005	<0.005	<0.005	<0.005	
MW-3	04/25/03	<0.005	<0.005	<0.005	<0.005	
MW-3	09/18/03	0.002	<0.001	<0.001	<0.001	
MW-3	03/17/04	<0.001	<0.001	<0.001	<0.001	
MW-3	08/17/04	<0.001	<0.001	<0.001	<0.001	
MW-3	03/04/05	<0.001	<0.001	<0.001	<0.001	
MW-3	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW-3	03/16/06	<0.001	<0.001	<0.001	<0.001	
MW-3	09/20/06	<0.001	<0.001	<0.001	<0.001	
MW-3	03/22/07	<0.001	<0.001	<0.001	<0.001	
MW-3	09/25/07	<0.001	<0.001	<0.001	<0.001	
MW-3	03/19/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-3	03/20/08	<0.002	<0.002	<0.002	<0.006	
MW-3	09/17/08	<0.002	<0.002	<0.002	<0.006	
MW-3	03/10/09	<0.002	<0.002	<0.002	<0.006	
MW-3	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-3	09/23/09	<0.002	<0.002	<0.002	<0.006	
MW-3	09/23/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-3	05/17/10	<0.002	<0.002	<0.002	<0.006	
MW-3	05/17/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-3	09/16/10	<0.001	<0.002	<0.002	<0.004	
MW-3	09/16/10	<0.00030	<0.0010	<0.00030	-	
MW-3	04/26/11	<0.001	<0.002	<0.002	<0.002	
MW-3	04/26/11	<0.00030	<0.0010	<0.00030	<0.00060	
MW-3	09/15/11	<0.001	<0.002	<0.002	<0.004	
MW-3	03/06/12	<0.005	<0.005	<0.005	<0.015	
MW-3	09/05/12	<0.005	<0.005	<0.005	<0.015	
MW-3	02/21/13	<0.001	<0.001	<0.001	<0.003	
MW-3	09/11/13	<0.001	<0.001	<0.001	<0.001	
MW-3	02/26/14	<0.001	<0.001	<0.001	<0.001	
MW-3	09/24/14	<0.001	<0.001	<0.001	<0.003	
MW-3	02/24/15	<0.001	<0.001	<0.001	<0.003	
MW-3	09/01/15	<0.001	<0.001	<0.001	<0.003	
MW-3	03/21/16	<0.001	<0.001	<0.001	<0.003	
MW-3	09/26/16	<0.001	<0.001	<0.001	<0.003	
MW-3	03/07/17	<0.001	<0.001	<0.001	<0.001	
MW-3	09/25/17	<0.0010	<0.0010	<0.0010	<0.0030	

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HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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	03/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/18/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	03/20/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/19/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	06/22/20	<0.0010	<0.0010	<0.0010	<0.0030	
MW-3	09/17/20	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	03/26/21	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	09/28/21	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	03/25/22	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	12/09/22	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	06/27/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-3	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	05/16/95	<0.001	<0.001	<0.001	<0.001	
MW-4	11/15/95	NS	0.006	0.002	0.1	
MW-4	01/18/96	0.003	<0.001	<0.001	<0.001	
MW-4	04/24/96	<0.002	<0.002	<0.002	<0.002	
MW-4	01/22/97	0.002	<0.001	<0.001	<0.001	
MW-4	08/11/97	0.001	<0.001	<0.001	<0.001	
MW-4	01/23/98	<0.001	<0.001	<0.001	<0.001	
MW-4	08/03/98	<0.001	<0.001	<0.001	<0.001	
MW-4	02/10/99	<0.001	<0.001	<0.001	<0.001	
MW-4	08/17/99	<0.001	<0.001	<0.001	0.001	
MW-4	02/17/00	<0.005	<0.005	<0.005	<0.005	
MW-4	08/23/00	<0.005	<0.005	<0.005	<0.005	
MW-4	02/08/01	0.002	<0.001	<0.001	0.002	
MW-4	07/30/01	<0.001	<0.001	<0.001	<0.001	
MW-4	02/13/02	NS	NS	NS	NS	
MW-4	09/27/02	NS	NS	NS	NS	
MW-4	04/25/03	<0.001	<0.001	<0.001	<0.001	
MW-4	09/18/03	<0.001	<0.001	<0.001	<0.001	
MW-4	03/17/04	<0.001	<0.001	<0.001	<0.001	
MW-4	08/17/04	<0.001	<0.001	<0.001	<0.001	
MW-4	03/04/05	<0.001	<0.001	<0.001	<0.001	
MW-4	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW-4	03/16/06	<0.001	<0.001	<0.001	<0.001	
MW-4	09/20/06	<0.002	<0.001	<0.001	0.0043	
MW-4	03/22/07	<0.002	<0.001	<0.001	0.0036	
MW-4	09/25/07	<0.002	<0.001	<0.001	<0.001	
MW-4	03/19/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-4	03/20/08	<0.002	<0.002	<0.002	<0.006	
MW-4	09/17/08	<0.002	<0.002	<0.002	<0.006	
MW-4	03/10/09	<0.002	<0.002	<0.002	<0.006	
MW-4	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-4	09/23/09	<0.002	<0.002	<0.002	<0.006	
MW-4	09/23/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-4	05/17/10	<0.002	<0.002	<0.002	<0.006	
MW-4	05/17/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-4	09/16/10	<0.001	<0.002	<0.002	<0.004	
MW-4	09/16/10	<0.00030	<0.0010	<0.00030	-	
MW-4	04/26/11	<0.001	<0.002	<0.002	<0.002	
MW-4	06/02/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-4	09/15/11	<0.001	<0.002	<0.002	<0.004	
MW-4	03/06/12	<0.005	<0.005	<0.005	<0.015	
MW-4	09/05/12	<0.005	<0.005	<0.005	<0.015	
MW-4	02/21/13	<0.001	<0.001	<0.001	<0.003	
MW-4	09/11/13	<0.001	<0.001	<0.001	<0.001	
MW-4	02/26/14	<0.001	<0.001	<0.001	<0.001	
MW-4	09/24/14	<0.001	<0.001	<0.001	<0.003	
MW-4	02/24/15	<0.001	<0.001	<0.001	<0.003	
MW-4	09/01/15	<0.001	<0.001	<0.001	<0.003	
MW-4	03/21/16	<0.001	<0.001	<0.001	<0.003	
MW-4	09/26/16	<0.001	<0.001	<0.001	<0.003	
MW-4	03/07/17	<0.001	<0.001	<0.001	<0.001	
MW-4	09/25/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-4	03/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-4	09/18/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-4	03/20/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-4	09/19/19	<0.0010	<0.0010	<0.0010	<0.0030	

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BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-4	06/22/20	0.000103 J	<0.0010	<0.0010	<0.0030	
MW-4	09/17/20	0.000163 J	<0.00100	<0.00100	<0.00300	
MW-4	03/26/21	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	09/28/21	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	03/25/22	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	12/09/22	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	06/27/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-4	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	
MW-5	09/15/11	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	03/06/12	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	09/05/12	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	02/21/13	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	09/11/13	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	02/26/14	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	09/24/14	Not Sampled - LNAPL Residue				
MW-5	02/24/15	Not Sampled - LNAPL				
MW-5	09/01/15	0.034	<0.005	0.073	<0.015	
MW-5	03/21/16	0.0078	<0.005	0.019	<0.015	
MW-5	09/26/16	0.0079	<0.001	0.0045	<0.003	
MW-5	03/07/17	0.032	<0.001	0.054	0.012	
MW-5	09/25/17	0.0155	<0.0010	0.0651	0.0108	
MW-5	03/13/18	0.0151	<0.0010	0.0117	0.00140 J	
MW-5	09/17/18	0.0101	<0.0010	0.0231	0.00118 J	
MW-5	03/20/19	0.0147	<0.0010	0.0283	0.00106 J	
MW-5	09/19/19	0.0103	<0.0010	0.0543	0.00106 J	
MW-5	06/22/20	0.0131	<0.0050	0.0385	<0.0150	
MW-5	09/17/20	0.0140	0.000429 J	0.0181	<0.00300	
MW-5	03/26/21	0.0158	0.000299 J	0.00236	<0.00300	
MW-5	09/28/21	0.0189	<0.00100	0.00622	0.000177 J	
MW-5	03/25/22	0.0125	<0.00100	0.00463	0.000289 J	
MW-5	12/09/22	0.0173	0.000614 J	0.00605	0.000642 J	0.04 ft LNAPL
MW-5 (Duplicate)	12/09/22	0.0174	0.000511 J	0.00560	0.000654 J	
MW-5	06/27/23	0.0120	0.000436 J	0.00849	0.000520 J	Duplicate sample collected
MW-5 (Duplicate)	06/27/23	0.0119	0.000343 J	0.00791	0.000709 J	
MW-5	12/12/23	0.0116	<0.00100	0.00573	0.015	Duplicate sample collected
MW-5 (Duplicate)	12/12/23	0.0122	0.000326 J	0.00564	0.000224 J	
MW-6	11/15/95	0.003	0.001	<0.001	0.003	
MW-6	01/18/96	0.002	<0.001	<0.001	<0.001	
MW-6	04/24/96	<0.001	<0.001	<0.001	<0.001	
MW-6	01/22/97	0.001	<0.001	<0.001	<0.001	
MW-6	08/11/97	<0.001	<0.001	<0.001	0.001	
MW-6	01/23/98	<0.001	<0.001	<0.001	<0.001	
MW-6	08/03/98	<0.001	<0.001	<0.001	<0.001	
MW-6	02/10/99	<0.001	<0.001	<0.001	0.014	
MW-6	08/17/99	0.002	<0.001	<0.001	0.012	
MW-6	02/17/00	<0.001	0.004	<0.001	0.006	
MW-6	08/23/00	<0.001	0.004	<0.001	0.011	
MW-6	02/08/01	<0.001	<0.001	<0.001	0.011	
MW-6	07/30/01	<0.001	<0.001	<0.001	<0.001	
MW-6	02/13/02	<0.001	<0.001	<0.001	<0.001	
MW-6	09/27/02	<0.005	<0.005	<0.005	<0.005	
MW-6	04/25/03	<0.001	<0.001	<0.001	<0.001	
MW-6	09/18/03	0.002	<0.001	0.002	0.001	
MW-6	03/17/04	<0.001	<0.001	<0.001	<0.001	
MW-6	08/17/04	<0.001	<0.001	<0.001	<0.001	
MW-6	03/04/05	0.0061	<0.001	0.0032	<0.001	
MW-6	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW-6	03/16/06	<0.001	<0.001	<0.001	<0.001	
MW-6	09/20/06	0.0391	<0.001	0.0287	0.0194	
MW-6	03/22/07	<0.001	<0.001	<0.001	0.0013	
MW-6	09/25/07	<0.001	<0.001	<0.001	<0.001	
MW-6	03/20/08	NS	NS	NS	NS	
MW-6	09/17/08	NS	NS	NS	NS	
MW-6	03/10/09	NS	NS	NS	NS	
MW-6	09/23/09	0.035	<0.002	0.0215	0.0052J	
MW-6	09/23/09	0.035	<0.00043	0.0215	0.0052	
MW-6	05/17/10	<0.002	<0.002	<0.002	<0.006	
MW-6	05/17/10	<0.00050	<0.00043	<0.00055	<0.0017	

**APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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	09/16/10	<0.001	<0.002	<0.002	<0.004		
MW-6	09/16/10	<0.00030	<0.0010	<0.00030	-		
MW-6	04/26/11	<0.001	<0.002	<0.002	<0.002		
MW-6	06/02/11	<0.00025	<0.0010	<0.00050	<0.0020		
MW-6	03/06/12	<0.005	<0.005	<0.005	<0.015		
MW-6	09/05/12	<0.005	<0.005	<0.005	<0.015		
MW-6	02/21/13	<0.001	<0.001	<0.001	<0.003		
MW-6	09/11/13	<0.001	<0.001	<0.001	<0.001		
MW-6	02/26/14	<0.001	<0.001	<0.001	<0.001		
MW-6	09/24/14	<0.001	<0.001	<0.001	<0.003		
MW-6	02/24/15	<0.001	<0.001	<0.001	<0.003		
MW-6	09/01/15	<0.001	<0.001	<0.001	<0.003		
MW-6	03/21/16	<0.001	<0.001	<0.001	<0.003		
MW-6	09/26/16	<0.001	<0.001	<0.001	<0.003		
MW-6	03/07/17	Removed from site sampling plan					
MW-6	12/09/22	<0.00100	<0.00100	<0.00100	<0.00300		
MW-7	11/15/95	0.465	0.205	<0.001	0.163		
MW-7	01/18/96	1.13	0.476	0.003	0.365		
MW-7	04/24/96	0.585	0.251	<0.002	0.013		
MW-7	01/22/97	0.896	0.24	<0.005	0.33		
MW-7	08/11/97	0.317	0.155	0.2	0.049		
MW-7	01/23/98	0.876	0.486	<0.005	0.181		
MW-7	08/03/98	0.094	0.064	<0.005	0.007		
MW-7	02/10/99	0.597	0.44	<0.005	0.12		
MW-7	08/17/99	0.705	0.06	<0.005	0.556		
MW-7	02/17/00	0.573	0.49	<0.005	0.226		
MW-7	08/23/00	0.546	0.484	0.006	0.177		
MW-7	02/08/01	0.355	0.424	<0.005	0.052		
MW-7	07/30/01	0.017	0.058	<0.005	<0.005		
MW-7	02/13/02	0.228	0.094	<0.005	0.5		
MW-7	09/27/02	0.015	0.017	<0.005	<0.005		
MW-7	04/25/03	0.157	0.192	<0.005	0.02		
MW-7	09/18/03	0.018	0.023	<0.001	0.004		
MW-7	03/17/04	0.125	0.108	<0.10	0.033		
MW-7	08/17/04	0.237	0.081	<0.20	<0.020		
MW-7	03/04/05	.125/.121	<0.001	0.0467/0.0453	0.0202		
MW-7	09/21/05	.15/0.148	<0.001	0.079/0.0789	0.0248		
MW-7	03/16/06	0.191	0.0032	0.073	<0.001		
MW-7	09/20/06	0.236	<0.001	0.176	0.187		
MW-7	03/22/07	0.209/0.215	<0.05/<0.01	.149/.121	0.116/0.0532		
MW-7	09/25/07	0.465/0.458	<0.01/<0.01	.318/.314	.0307/0.302		
MW-7	03/19/08	0.161	<0.00048	0.057	0.0295		
MW-7	03/20/08	0.161/0.169	<0.002/<0.002	.057/.0637	0.0295/0.0325		
MW-7	09/17/08	0.083	<0.002	0.0475	0.0204		
MW-7	03/10/09	0.039	<0.002	0.0177	0.0052 J		
MW-7	03/11/09	0.0339	<0.00048	0.0177	0.0052		
MW-7	09/23/09	0.0332	<0.00043	0.0176	0.0033		
MW-7	09/23/09	0.0332/<0.002	<0.002/<0.002	.0176/<0.002	0.0033J/<0.006		
MW-7	05/17/10	0.0201/0.0198	<0.002/<0.002	.0095/.0092	0.0033J/0.0033J		
MW-7	05/17/10	0.0201	<0.00043	0.0095	0.0033		
MW-7	09/16/10	0.522/0.512	<0.01/<0.01	0.294/0.289	0.0383/0.0378		
MW-7	09/16/10	0.522	<0.0050	0.294	-		
MW-7	04/26/11	0.0091/0.0104	<0.01/<0.01	0.0042/0.0041	<0.01/<0.01		
MW-7	04/26/11	0.0091	<0.0050	0.0042	<0.0030		
MW-7	09/15/11	0.394	<0.01	0.149	0.0442	Duplicate sample collected	
MW-7	03/06/12	0.0098	<0.0050	0.0088	<0.015		
MW-7	09/05/12	0.014	<0.005	0.01	<0.015	Duplicate sample collected	
MW-7	02/21/13	0.0059	<0.001	0.0049	<0.003	Duplicate sample collected	
MW-7	09/11/13	0.0024	<0.001	0.0013	<0.001	Duplicate sample collected	
MW-7	02/26/14	0.003	<0.001	<0.001	<0.001	Duplicate sample collected	
MW-7	09/24/14	0.0023	<0.001	<0.001	<0.003	Duplicate sample collected	
MW-7 (Duplicate)	09/24/14	0.0021	<0.001	<0.001	<0.003		
MW-7	02/24/15	0.0087	<0.001	0.0026	<0.003	Duplicate sample collected	
MW-7 (Duplicate)	02/24/15	0.009	<0.001	0.0035	<0.003		
MW-7	09/01/15	0.044	<0.001	0.037	0.0094	Duplicate sample collected	
MW-7 (Duplicate)	09/01/15	0.049	<0.001	0.039	0.01		
MW-7	03/21/16	0.061	<0.001	0.05	0.017	Duplicate sample collected	
MW-7 (Duplicate)	03/21/16	0.057	<0.001	0.048	<0.015		

**APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
MONUMENT BOOSTER STATION
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-7	09/26/16	0.35	<0.001	0.31	0.055	Duplicate sample collected
MW-7 (Duplicate)	09/26/16	0.33	<0.001	0.3	0.052	
MW-7	03/07/17	0.11	<0.001	0.0069	0.03	Duplicate sample collected
MW-7 (Duplicate)	03/07/17	0.11	<0.001	0.0014	0.029	
MW-7	09/25/17	0.275	<0.0010	0.0886	0.0389	Duplicate sample collected
MW-7 (Duplicate)	09/25/17	0.279	<0.0010	0.0868	0.0383	
MW-7	03/13/18	0.175	<0.0010	0.0875	0.0395	Duplicate sample collected
MW-7 (Duplicate)	03/13/18	0.169	<0.0010	0.0813	0.0366	
MW-7	09/17/18	0.0852	<0.0010	0.122	0.0462	Duplicate sample collected
MW-7 (Duplicate)	09/17/18	0.0803	<0.0010	0.111	0.0422	
MW-7	03/20/19	0.0326	<0.0010	0.0374	0.0192	Duplicate sample collected
MW-7 (Duplicate)	03/20/19	0.0327	<0.0010	0.0367	0.0189	
MW-7	09/19/19	0.0173	<0.0010	0.0206	0.00775	Duplicate sample collected
MW-7 (Duplicate)	09/19/19	0.0169	<0.0010	0.0197	0.00716	
MW-7	06/22/20	0.0444	<0.0010	0.0518	0.0253	Duplicate sample collected
MW-7 (Duplicate)	06/22/20	0.0437	<0.0010	0.0509	0.0251	
MW-7	09/17/20	0.0147	<0.00100	0.00837	0.00225 J	Duplicate sample collected
MW-7 (Duplicate)	09/17/20	0.0150	<0.00100	0.00880	0.00238 J	
MW-7	03/26/21	0.00208	<0.00100	0.000288 J	<0.00300	Duplicate sample collected
MW-7 (Duplicate)	03/26/21	0.00209	<0.00100	0.000273 J	<0.00300	
MW-7	09/28/21	0.0378	<0.00100	0.0135	0.00508	Duplicate sample collected
MW-7 (Duplicate)	09/28/21	0.0383	<0.00100	0.01380	0.00528	
MW-7	03/25/22	0.000546 J	<0.00100	<0.00100	<0.00300	Duplicate sample collected
MW-7 (Duplicate)	03/25/22	0.000561 J	<0.00100	<0.00100	<0.00300	
MW-7	12/09/22	0.0185	<0.00100	0.00553	0.00127 J	
MW-7	06/27/23	0.00214	<0.00100	0.000555 J	0.000402 J	
MW-7	12/12/23	0.00118	<0.00100	0.000376 J	0.000289 J	
Trip Blank	02/26/14	<0.001	<0.001	<0.001	<0.001	
Trip Blank	09/24/14	<0.001	<0.001	<0.001	<0.003	
Trip Blank	02/24/15	<0.001	<0.001	<0.001	<0.003	
Trip Blank	09/01/15	<0.001	<0.001	<0.001	<0.003	
Trip Blank	03/21/16	<0.001	<0.001	<0.001	<0.003	
Trip Blank	09/26/16	<0.001	<0.001	<0.001	<0.003	
Trip Blank	03/07/17	<0.001	<0.001	<0.001	<0.001	
Trip Blank	09/25/17	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	09/18/18	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	03/20/19	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	09/19/19	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	06/22/20	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	09/17/20	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	03/26/21	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	09/28/21	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	03/25/22	0.000155 J	0.000402 J	<0.00100	<0.00300	
Trip Blank	12/09/22	<0.00100	0.000338 J	<0.00100	<0.00300	
Trip Blank	06/27/23	<0.00100	<0.00100	<0.00100	<0.00300	
Trip Blank	12/12/23	<0.00100	<0.00100	<0.00100	<0.00300	

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 = Estimated Value

NS = Not Sampled

mg/L = milligrams per liter

*Groundwater and surface water protection regulations for toluene were amended and became effective on December 21, 2018.

J = A qualifier indicating an estimated value of a concentration above the laboratory's Method Detection Limit (MDL) but below the Reporting Limit (RL).

Appendix B

Laboratory Analytical Report

- Pace Laboratories Job #: L1630521
- Pace Laboratories Job #: L1687719



ANALYTICAL REPORT

July 07, 2023

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

DCP Midstream - Tasman

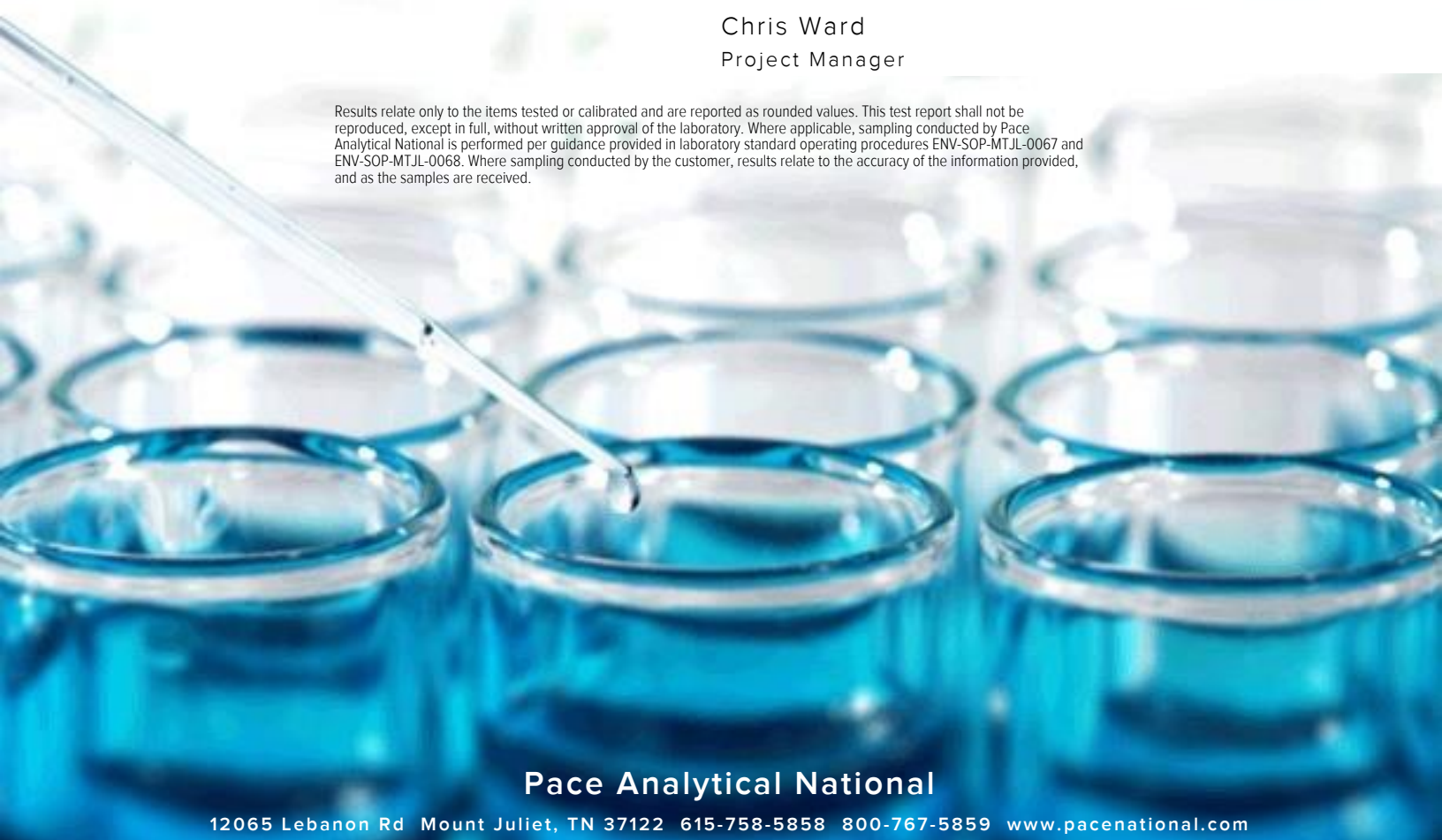
Sample Delivery Group: L1630521
 Samples Received: 06/28/2023
 Project Number: 400128008
 Description: Monument Booster Station

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

Entire Report Reviewed By:

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

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Tc: Table of Contents 2

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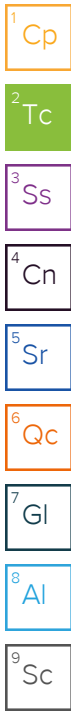
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Volatile Organic Compounds (GC/MS) by Method 8260B 13

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MW-1D L1630521-01 GW

Collected by Chris Flores
 Collected date/time 06/27/23 10:35
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089127	1	07/04/23 19:59	07/04/23 19:59	DYW	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

MW-2 L1630521-02 GW

Collected by Chris Flores
 Collected date/time 06/27/23 10:17
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089127	1	07/04/23 20:18	07/04/23 20:18	DYW	Mt. Juliet, TN

MW-3 L1630521-03 GW

Collected by Chris Flores
 Collected date/time 06/27/23 09:52
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089139	1	07/04/23 18:35	07/04/23 18:35	TJJ	Mt. Juliet, TN

MW-4 L1630521-04 GW

Collected by Chris Flores
 Collected date/time 06/27/23 09:19
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089139	1	07/04/23 18:56	07/04/23 18:56	TJJ	Mt. Juliet, TN

MW-5 L1630521-05 GW

Collected by Chris Flores
 Collected date/time 06/27/23 11:06
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089139	1	07/04/23 19:18	07/04/23 19:18	TJJ	Mt. Juliet, TN

MW-7 L1630521-06 GW

Collected by Chris Flores
 Collected date/time 06/27/23 11:28
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089139	1	07/04/23 19:39	07/04/23 19:39	TJJ	Mt. Juliet, TN

DUPLICATE L1630521-07 GW

Collected by Chris Flores
 Collected date/time 06/27/23 00:00
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2090614	1	07/07/23 02:16	07/07/23 02:16	KSD	Mt. Juliet, TN

TRIP BLANK L1630521-08 GW

Collected by Chris Flores
 Collected date/time 06/27/23 00:00
 Received date/time 06/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2090614	1	07/07/23 01:55	07/07/23 01:55	KSD	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

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

Collected date/time: 06/27/23 10:35

L1630521

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	0.000348	J	0.0000941	0.00100	1	07/04/2023 19:59	WG2089127
Toluene	U		0.000278	0.00100	1	07/04/2023 19:59	WG2089127
Ethylbenzene	U		0.000137	0.00100	1	07/04/2023 19:59	WG2089127
Total Xylenes	U		0.000174	0.00300	1	07/04/2023 19:59	WG2089127
(S) Toluene-d8	106			80.0-120		07/04/2023 19:59	WG2089127
(S) 4-Bromofluorobenzene	98.9			77.0-126		07/04/2023 19:59	WG2089127
(S) 1,2-Dichloroethane-d4	102			70.0-130		07/04/2023 19:59	WG2089127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 06/27/23 10:17

L1630521

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	0.0000971	J	0.0000941	0.00100	1	07/04/2023 20:18	WG2089127
Toluene	U		0.000278	0.00100	1	07/04/2023 20:18	WG2089127
Ethylbenzene	U		0.000137	0.00100	1	07/04/2023 20:18	WG2089127
Total Xylenes	U		0.000174	0.00300	1	07/04/2023 20:18	WG2089127
(S) Toluene-d8	106			80.0-120		07/04/2023 20:18	WG2089127
(S) 4-Bromofluorobenzene	98.5			77.0-126		07/04/2023 20:18	WG2089127
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		07/04/2023 20:18	WG2089127

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

Collected date/time: 06/27/23 09:52

L1630521

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	07/04/2023 18:35	WG2089139
Toluene	U		0.000278	0.00100	1	07/04/2023 18:35	WG2089139
Ethylbenzene	U		0.000137	0.00100	1	07/04/2023 18:35	WG2089139
Total Xylenes	U		0.000174	0.00300	1	07/04/2023 18:35	WG2089139
(S) Toluene-d8	107			80.0-120		07/04/2023 18:35	WG2089139
(S) 4-Bromofluorobenzene	97.2			77.0-126		07/04/2023 18:35	WG2089139
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		07/04/2023 18:35	WG2089139

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 06/27/23 09:19

L1630521

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	07/04/2023 18:56	WG2089139
Toluene	U		0.000278	0.00100	1	07/04/2023 18:56	WG2089139
Ethylbenzene	U		0.000137	0.00100	1	07/04/2023 18:56	WG2089139
Total Xylenes	U		0.000174	0.00300	1	07/04/2023 18:56	WG2089139
(S) Toluene-d8	108			80.0-120		07/04/2023 18:56	WG2089139
(S) 4-Bromofluorobenzene	95.0			77.0-126		07/04/2023 18:56	WG2089139
(S) 1,2-Dichloroethane-d4	94.5			70.0-130		07/04/2023 18:56	WG2089139

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

Collected date/time: 06/27/23 11:06

L1630521

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	0.0120		0.0000941	0.00100	1	07/04/2023 19:18	WG2089139
Toluene	0.000436	J	0.000278	0.00100	1	07/04/2023 19:18	WG2089139
Ethylbenzene	0.00849		0.000137	0.00100	1	07/04/2023 19:18	WG2089139
Total Xylenes	0.000520	J	0.000174	0.00300	1	07/04/2023 19:18	WG2089139
(S) Toluene-d8	111			80.0-120		07/04/2023 19:18	WG2089139
(S) 4-Bromofluorobenzene	115			77.0-126		07/04/2023 19:18	WG2089139
(S) 1,2-Dichloroethane-d4	96.4			70.0-130		07/04/2023 19:18	WG2089139

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

Collected date/time: 06/27/23 11:28

L1630521

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	0.00214		0.0000941	0.00100	1	07/04/2023 19:39	WG2089139
Toluene	U		0.000278	0.00100	1	07/04/2023 19:39	WG2089139
Ethylbenzene	0.000555	J	0.000137	0.00100	1	07/04/2023 19:39	WG2089139
Total Xylenes	0.000402	J	0.000174	0.00300	1	07/04/2023 19:39	WG2089139
(S) Toluene-d8	105			80.0-120		07/04/2023 19:39	WG2089139
(S) 4-Bromofluorobenzene	93.3			77.0-126		07/04/2023 19:39	WG2089139
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		07/04/2023 19:39	WG2089139

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

Collected date/time: 06/27/23 00:00

L1630521

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	0.0119		0.0000941	0.00100	1	07/07/2023 02:16	WG2090614
Toluene	0.000343	J	0.000278	0.00100	1	07/07/2023 02:16	WG2090614
Ethylbenzene	0.00791		0.000137	0.00100	1	07/07/2023 02:16	WG2090614
Total Xylenes	0.000709	J	0.000174	0.00300	1	07/07/2023 02:16	WG2090614
(S) Toluene-d8	94.7			80.0-120		07/07/2023 02:16	WG2090614
(S) 4-Bromofluorobenzene	106			77.0-126		07/07/2023 02:16	WG2090614
(S) 1,2-Dichloroethane-d4	100			70.0-130		07/07/2023 02:16	WG2090614

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

Collected date/time: 06/27/23 00:00

L1630521

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	07/07/2023 01:55	WG2090614
Toluene	U		0.000278	0.00100	1	07/07/2023 01:55	WG2090614
Ethylbenzene	U		0.000137	0.00100	1	07/07/2023 01:55	WG2090614
Total Xylenes	U		0.000174	0.00300	1	07/07/2023 01:55	WG2090614
(S) Toluene-d8	105			80.0-120		07/07/2023 01:55	WG2090614
(S) 4-Bromofluorobenzene	90.8			77.0-126		07/07/2023 01:55	WG2090614
(S) 1,2-Dichloroethane-d4	112			70.0-130		07/07/2023 01:55	WG2090614

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

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

[L1630521-01,02](#)

Method Blank (MB)

(MB) R3945466-3 07/04/23 14:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	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	104			80.0-120
(S) 4-Bromofluorobenzene	98.8			77.0-126
(S) 1,2-Dichloroethane-d4	98.1			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

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

(LCS) R3945466-1 07/04/23 13:56 • (LCSD) R3945466-2 07/04/23 14:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.00500	0.00507	0.00503	101	101	70.0-123			0.792	20
Toluene	0.00500	0.00509	0.00490	102	98.0	79.0-120			3.80	20
Ethylbenzene	0.00500	0.00481	0.00474	96.2	94.8	79.0-123			1.47	20
Total Xylenes	0.0150	0.0145	0.0147	96.7	98.0	79.0-123			1.37	20
(S) Toluene-d8				106	103	80.0-120				
(S) 4-Bromofluorobenzene				95.5	100	77.0-126				
(S) 1,2-Dichloroethane-d4				100	99.8	70.0-130				

⁷ Gl

⁸ Al

⁹ Sc

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

[L1630521-03,04,05,06](#)

Method Blank (MB)

(MB) R3945033-3 07/04/23 14:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	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	107			80.0-120
(S) 4-Bromofluorobenzene	96.2			77.0-126
(S) 1,2-Dichloroethane-d4	103			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

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

(LCS) R3945033-1 07/04/23 13:12 • (LCSD) R3945033-2 07/04/23 13:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.00500	0.00515	0.00490	103	98.0	70.0-123			4.98	20
Toluene	0.00500	0.00562	0.00552	112	110	79.0-120			1.80	20
Ethylbenzene	0.00500	0.00554	0.00548	111	110	79.0-123			1.09	20
Total Xylenes	0.0150	0.0162	0.0162	108	108	79.0-123			0.000	20
(S) Toluene-d8				108	110	80.0-120				
(S) 4-Bromofluorobenzene				91.3	91.6	77.0-126				
(S) 1,2-Dichloroethane-d4				102	104	70.0-130				

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

[L1630521-07.08](#)

Method Blank (MB)

(MB) R3945713-2 07/07/23 00:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	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	106			80.0-120
(S) 4-Bromofluorobenzene	95.4			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

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

(LCS) R3945713-1 07/06/23 23:34 • (LCSD) R3945713-3 07/07/23 01:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.00500	0.00486	0.00526	97.2	105	70.0-123			7.91	20
Toluene	0.00500	0.00476	0.00565	95.2	113	79.0-120			17.1	20
Ethylbenzene	0.00500	0.00502	0.00545	100	109	79.0-123			8.21	20
Total Xylenes	0.0150	0.0148	0.0175	98.7	117	79.0-123			16.7	20
(S) Toluene-d8				100	112	80.0-120				
(S) 4-Bromofluorobenzene				100	110	77.0-126				
(S) 1,2-Dichloroethane-d4				111	107	70.0-130				

⁷ Gl

⁸ Al

⁹ Sc

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.

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

Qualifier Description

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122


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

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

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

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



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		Analysis / Container / Preservative		Chain of Custody Page ___ of ___			
Report to: Kyle Norman		Email To: knorman@tasman-geo.com;swweathers@dcpmidstream.com;jwat		V8260BTEX 40mlAmb-HCI		 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			
Project Description: Monument Booster Station		City/State Collected:						Please Circle: PT MT CT ET	
Phone: 720-218-4003		Client Project #						Lab Project # DCPTASMAN-MONUMENT	
Collected by (print): <i>Chris Flores</i>		Site/Facility ID #						P.O. # 0000662157	
Collected by (signature): <i>Chris Flores</i>		Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day		Quote #		SDG # L1630521 E107 Acctnum: DCPTASMAN Template: T127836 Prelogin: P1004425 PM: 824 - Chris Ward PB:			
Immediately Packed on Ice N ___ Y X		Date Results Needed		No. of Cntrs		Shipped Via: FedEX Ground Remarks Sample # (lab only)			
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time				
MW-1		GW		6.27.23					
MW-1D		GW		6.27.23	10:35	3	X		
MW-2		GW			10:17	3	X		
MW-3		GW			09:52	3	X		
MW-4		GW			09:19	3	X		
MW-5		GW			11:06	3	X		
MW-7		GW			11:28	3	X		
DUPLICATE		GW				3	X		
TRIP BLANK		GW							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <input type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headpace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
Relinquished by: (Signature) <i>Chris Flores</i>		Date: 6.27.23 Time: 12:00		Received by: (Signature) <i>Gi</i>		Trip Blank Received: <input checked="" type="checkbox"/> Yes / No <input checked="" type="checkbox"/> HCl / MeOH <input checked="" type="checkbox"/> TBR			
Relinquished by: (Signature)		Date:		Received by: (Signature)		Temp: °C Bottles Received: 2.310=2.3 21			
Relinquished by: (Signature)		Date:		Received for lab by: (Signature) <i>Gi</i>		Date: Time: Hold: 6-28-23 900			



ANALYTICAL REPORT

December 20, 2023

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

DCP Midstream - Tasman

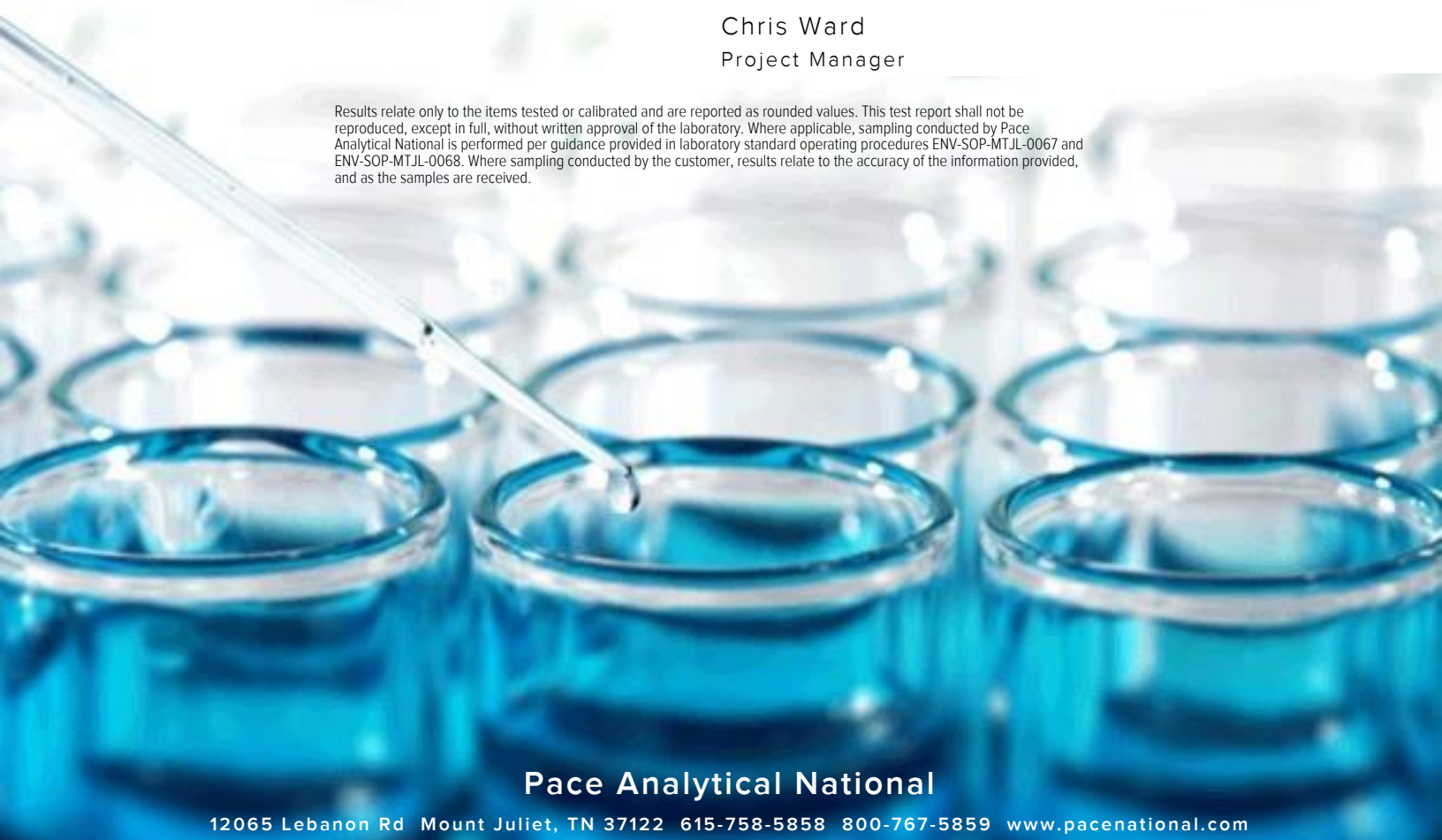
Sample Delivery Group: L1687719
 Samples Received: 12/13/2023
 Project Number: 400128008
 Description: Monument Booster Station

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

Entire Report Reviewed By:

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

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Cn: Case Narrative 4

Sr: Sample Results 5

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MW-2 L1687719-02 6

MW-3 L1687719-03 7

MW-4 L1687719-04 8

MW-5 L1687719-05 9

MW-7 L1687719-06 10

DUPLICATE L1687719-07 11

TRIP BLANK L1687719-08 12

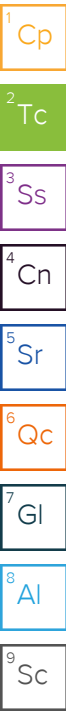
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MW-1D L1687719-01 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 12:28
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2190845	1	12/16/23 19:56	12/16/23 19:56	JCP	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

MW-2 L1687719-02 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 11:18
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191724	1	12/18/23 20:48	12/18/23 20:48	DYW	Mt. Juliet, TN

4 Cn

5 Sr

MW-3 L1687719-03 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 10:56
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2190845	1	12/16/23 20:38	12/16/23 20:38	JCP	Mt. Juliet, TN

6 Qc

7 Gl

MW-4 L1687719-04 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 10:34
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2190845	1	12/16/23 21:00	12/16/23 21:00	JCP	Mt. Juliet, TN

8 Al

9 Sc

MW-5 L1687719-05 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 11:31
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191724	5	12/18/23 21:07	12/18/23 21:07	DYW	Mt. Juliet, TN

MW-7 L1687719-06 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 12:15
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2190845	1	12/16/23 21:42	12/16/23 21:42	JCP	Mt. Juliet, TN

DUPLICATE L1687719-07 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 00:00
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2190845	1	12/16/23 22:03	12/16/23 22:03	JCP	Mt. Juliet, TN

TRIP BLANK L1687719-08 GW

Collected by Kendon Stark
 Collected date/time 12/12/23 12:53
 Received date/time 12/13/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2190845	1	12/16/23 16:23	12/16/23 16:23	JCP	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

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

Collected date/time: 12/12/23 12:28

L1687719

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	0.000800	<u>J</u>	0.0000941	0.00100	1	12/16/2023 19:56	WG2190845
Toluene	U		0.000278	0.00100	1	12/16/2023 19:56	WG2190845
Ethylbenzene	U		0.000137	0.00100	1	12/16/2023 19:56	WG2190845
Total Xylenes	U		0.000174	0.00300	1	12/16/2023 19:56	WG2190845
<i>(S) Toluene-d8</i>	106			80.0-120		12/16/2023 19:56	WG2190845
<i>(S) 4-Bromofluorobenzene</i>	109			77.0-126		12/16/2023 19:56	WG2190845
<i>(S) 1,2-Dichloroethane-d4</i>	151	<u>J1</u>		70.0-130		12/16/2023 19:56	WG2190845

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/12/23 11:18

L1687719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/18/2023 20:48	WG2191724
Toluene	U		0.000278	0.00100	1	12/18/2023 20:48	WG2191724
Ethylbenzene	U		0.000137	0.00100	1	12/18/2023 20:48	WG2191724
Total Xylenes	U		0.000174	0.00300	1	12/18/2023 20:48	WG2191724
(S) Toluene-d8	84.9			80.0-120		12/18/2023 20:48	WG2191724
(S) 4-Bromofluorobenzene	93.1			77.0-126		12/18/2023 20:48	WG2191724
(S) 1,2-Dichloroethane-d4	78.8			70.0-130		12/18/2023 20:48	WG2191724

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/12/23 10:56

L1687719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Benzene	U		0.0000941	0.00100	1	12/16/2023 20:38	WG2190845
Toluene	U		0.000278	0.00100	1	12/16/2023 20:38	WG2190845
Ethylbenzene	U		0.000137	0.00100	1	12/16/2023 20:38	WG2190845
Total Xylenes	U		0.000174	0.00300	1	12/16/2023 20:38	WG2190845
(S) Toluene-d8	106			80.0-120		12/16/2023 20:38	WG2190845
(S) 4-Bromofluorobenzene	107			77.0-126		12/16/2023 20:38	WG2190845
(S) 1,2-Dichloroethane-d4	111			70.0-130		12/16/2023 20:38	WG2190845

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

Collected date/time: 12/12/23 10:34

L1687719

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	12/16/2023 21:00	WG2190845
Toluene	U		0.000278	0.00100	1	12/16/2023 21:00	WG2190845
Ethylbenzene	U		0.000137	0.00100	1	12/16/2023 21:00	WG2190845
Total Xylenes	U		0.000174	0.00300	1	12/16/2023 21:00	WG2190845
(S) Toluene-d8	102			80.0-120		12/16/2023 21:00	WG2190845
(S) 4-Bromofluorobenzene	105			77.0-126		12/16/2023 21:00	WG2190845
(S) 1,2-Dichloroethane-d4	102			70.0-130		12/16/2023 21:00	WG2190845

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

Collected date/time: 12/12/23 11:31

L1687719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Benzene	0.0116		0.000471	0.00500	5	12/18/2023 21:07	WG2191724
Toluene	U		0.00139	0.00500	5	12/18/2023 21:07	WG2191724
Ethylbenzene	0.00573		0.000685	0.00500	5	12/18/2023 21:07	WG2191724
Total Xylenes	U		0.000870	0.0150	5	12/18/2023 21:07	WG2191724
(S) Toluene-d8	83.4			80.0-120		12/18/2023 21:07	WG2191724
(S) 4-Bromofluorobenzene	95.6			77.0-126		12/18/2023 21:07	WG2191724
(S) 1,2-Dichloroethane-d4	76.1			70.0-130		12/18/2023 21:07	WG2191724

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

Sample Narrative:

L1687719-05 WG2191724: Lowest possible dilution due to sample matrix.

Collected date/time: 12/12/23 12:15

L1687719

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	0.00118		0.0000941	0.00100	1	12/16/2023 21:42	WG2190845
Toluene	U		0.000278	0.00100	1	12/16/2023 21:42	WG2190845
Ethylbenzene	0.000376	J	0.000137	0.00100	1	12/16/2023 21:42	WG2190845
Total Xylenes	0.000289	J	0.000174	0.00300	1	12/16/2023 21:42	WG2190845
(S) Toluene-d8	104			80.0-120		12/16/2023 21:42	WG2190845
(S) 4-Bromofluorobenzene	103			77.0-126		12/16/2023 21:42	WG2190845
(S) 1,2-Dichloroethane-d4	110			70.0-130		12/16/2023 21:42	WG2190845

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/12/23 00:00

L1687719

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	0.0122		0.0000941	0.00100	1	12/16/2023 22:03	WG2190845
Toluene	0.000326	J	0.000278	0.00100	1	12/16/2023 22:03	WG2190845
Ethylbenzene	0.00564		0.000137	0.00100	1	12/16/2023 22:03	WG2190845
Total Xylenes	0.000224	J	0.000174	0.00300	1	12/16/2023 22:03	WG2190845
(S) Toluene-d8	112			80.0-120		12/16/2023 22:03	WG2190845
(S) 4-Bromofluorobenzene	117			77.0-126		12/16/2023 22:03	WG2190845
(S) 1,2-Dichloroethane-d4	103			70.0-130		12/16/2023 22:03	WG2190845

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

Collected date/time: 12/12/23 12:53

L1687719

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Benzene	U		0.0000941	0.00100	1	12/16/2023 16:23	WG2190845
Toluene	U		0.000278	0.00100	1	12/16/2023 16:23	WG2190845
Ethylbenzene	U		0.000137	0.00100	1	12/16/2023 16:23	WG2190845
Total Xylenes	U		0.000174	0.00300	1	12/16/2023 16:23	WG2190845
(S) Toluene-d8	107			80.0-120		12/16/2023 16:23	WG2190845
(S) 4-Bromofluorobenzene	100			77.0-126		12/16/2023 16:23	WG2190845
(S) 1,2-Dichloroethane-d4	169	J1		70.0-130		12/16/2023 16:23	WG2190845

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

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

[L1687719-01,03,04,06,07,08](#)

Method Blank (MB)

(MB) R4013985-3 12/16/23 15:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	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	108			80.0-120
(S) 4-Bromofluorobenzene	112			77.0-126
(S) 1,2-Dichloroethane-d4	108			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

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

(LCS) R4013985-1 12/16/23 13:59 • (LCSD) R4013985-2 12/16/23 14:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.00500	0.00502	0.00534	100	107	70.0-123			6.18	20
Toluene	0.00500	0.00455	0.00463	91.0	92.6	79.0-120			1.74	20
Ethylbenzene	0.00500	0.00432	0.00420	86.4	84.0	79.0-123			2.82	20
Total Xylenes	0.0150	0.0131	0.0125	87.3	83.3	79.0-123			4.69	20
(S) Toluene-d8				100	99.0	80.0-120				
(S) 4-Bromofluorobenzene				103	105	77.0-126				
(S) 1,2-Dichloroethane-d4				108	109	70.0-130				

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4014451-3 12/18/23 19:55

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	83.3			80.0-120
(S) 4-Bromofluorobenzene	92.7			77.0-126
(S) 1,2-Dichloroethane-d4	78.0			70.0-130

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

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

(LCS) R4014451-1 12/18/23 17:08 • (LCSD) R4014451-2 12/18/23 19:36

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	0.00488	0.00558	97.6	112	70.0-123			13.4	20
Toluene	0.00500	0.00491	0.00516	98.2	103	79.0-120			4.97	20
Ethylbenzene	0.00500	0.00468	0.00486	93.6	97.2	79.0-123			3.77	20
Total Xylenes	0.0150	0.0141	0.0146	94.0	97.3	79.0-123			3.48	20
(S) Toluene-d8				87.5	86.6	80.0-120				
(S) 4-Bromofluorobenzene				93.2	87.1	77.0-126				
(S) 1,2-Dichloroethane-d4				74.6	77.4	70.0-130				

6 Qc

7 Gl

8 Al

9 Sc

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn


⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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				Analysis / Container / Preservative				Chain of Custody Page ___ of ___	
Report to: Brett Dennis				Email To: knorman@tasman-geo.com; Stephen.Weathers@p66.com; bdennis@p66.com				Pres Chk V8260BTEX 40mlAmb-HCI V8260BTEX 40mlAmb-HCI-BIK				 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf	
Project Description: Monument Booster Station		City/State Collected:		Please Circle: PT MT CT ET		SDG # L1687719 F130							
Phone: 720-218-4003		Client Project #		Lab Project # DCPTASMAN-MONUMENT		Acctnum: DCPTASMAN		Template: T127836		Prelogin: P1038885			
Collected by (print): <i>Kendon Stark</i>		Site/Facility ID #		P.O. # 0000662157		Quote #		PM: 824 - Chris Ward		PB: <i>KP 11/22/23</i>			
Collected by (signature): <i>Kendon Stark</i>		Rush? (Lab MUST Be Notified)		Date Results Needed		No. of Cntrs		Shipped Via: FedEX Ground		Remarks Sample # (lab only)			
Immediately Packed on Ice N ___ Y ___		___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day											
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs							
MW-1		GW				3	X						
MW-1D	Grab	GW	NA	12/12/23	12:28	3	X				- 01		
MW-2		GW			11:18	3	X				- 02		
MW-3		GW			10:56	3	X				- 03		
MW-4		GW			10:34	3	X				- 04		
MW-5		GW			11:31	3	X				- 05		
MW-7		GW			12:15	3	X				- 06		
DUPLICATE \		GW				3	X				- 07		
TRIP BLANK		GW			12:53	3		X			- 08		
		GW				3	X						
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks:				pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ___ NP <input checked="" type="checkbox"/> Y ___ N COC Signed/Accurate: <input checked="" type="checkbox"/> Y ___ N Bottles arrive intact: <input checked="" type="checkbox"/> Y ___ N Correct bottles used: <input checked="" type="checkbox"/> Y ___ N Sufficient volume sent: <input checked="" type="checkbox"/> Y ___ N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y ___ N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y ___ N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y ___ N					
Samples returned via: ___ UPS ___ FedEx ___ Courier _____		Tracking # 7074 8795 3288											
Relinquished by: (Signature) <i>Kendon Stark</i>		Date: 12/12/23	Time: 13:00	Received by: (Signature)		Trip Blank Received: Yes/No 3 <input checked="" type="checkbox"/> HCl / MeOH TBR		Bottles Received: 21					
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: MSA °C 0.1 to 20.1		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i> (14)		Date: 12/12/23 Time: 900		Hold:		Condition: NCF / OK			

Appendix C
NMOCD Sampling Notifications

From: [Weathers, Stephen](#)
To: "Velez, Nelson, EMNRD"; mike.bratcher@state.nm.us
Subject: Notification of DCP 2nd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects
Attachments: [image001.png](#)
[image002.jpg](#)
[image004.png](#)
[image003.jpg](#)

Nelson/Mike

This email is to serve as notification that Tasman will be conducting the 2nd Quarter 2023 groundwater sampling event during June at several DCP Midstream remediation sites.

Below is the estimated sampling schedule

2nd Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Field Activities
Monday, June 19-20, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	Sampling/O&M
Wednesday, June 21-22, 2023	8:00 AM	Lee Gas Plant	Lea	O	30	17S	35E	Sampling/O&M
Friday, June 23, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	Sampling
Monday, June 26, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	Sampling
Tuesday, June 27, 2023	8:00 AM	Monument Booster	Lea	B	33	19S	37E	Sampling
Wednesday, June 28, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	Sampling/EFR
Wednesday, June 28, 2023	12:00 PM	PCA Junction	Eddy	E and L	11	20S	30E	Sampling

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

Thanks

Steve

PLEASE NOTE: My email has changed to Stephen.Weathers@P66.com effective April 29, 2023. Please update my email in your contacts and address list.



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: [Weathers, Stephen](#)
To: [Velez, Nelson, EMNRD](#); [Bratcher, Michael, EMNRD](#)
Cc: [Kyle Norman](#); [Brett Dennis](#)
Subject: Notification of DCP 4th Quarter 2023 Groundwater Monitoring for SENM Remediation Projects
Date: Monday, November 27, 2023 8:21:23 AM
Attachments: [image002.png](#)
[image004.png](#)
[image005.tif](#)
[image006.tiff](#)
[image001.png](#)

Nelson/Mike

This email is to serve as notification that Tasman will be conducting the 4th Quarter 2023 groundwater sampling event during December at several DCP remediation sites.

Below is the estimated sampling schedule.

4th Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Comments/NMOCD Case Number
Monday, December 4 – 5, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	AP-114/Sampling
Wednesday, December 6-7, 2023	8:00 AM	Lee Gas Plant	Lea	O	30	17S	35E	GW-002/Sampling
Friday, December 8, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	AP-122/Sampling
Monday, December 11, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	AP-55/Sampling
Tuesday, December 12, 2023	8:00 AM	Monument Booster	Lea	B	33	19S	37E	1RP-156-0/Sampling
Wednesday, December 13, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	2RP-799/Sampling
Wednesday, December 13, 2023	12:00 PM	PCA Junction	Eddy	E and L	11	20S	30E	2RP-43/Sampling

Let me know if you have any questions.

Thanks
 Steve



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

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District IV
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 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 322177

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 322177
	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 for the Monument Booster Station: Content Satisfactory 1. Continue semi-annual groundwater monitoring events for constituents of concern. 2. Continue to conduct EFR events at MW-1, MW-5, and MW-7 as necessary. 3. Submit the 2024 Annual Report to OCD by--or before--April 1, 2025.	6/18/2024