Review of Second Half 2022 Semi-Annual Groundwater Monitoring Summary Report:
**Content satisfactory**

1. Continue with the recommendations presented in this report.
2. Reporting frequency changed from semi-annually to annually. Submit next report to OCD no later than April 1, 2024.

# Second Half 2022 Semi-Annual Groundwater Monitoring Summary Report

## Monument Booster Station
## Lea County, New Mexico
## 1RP-156-0
## Incident # nAUTOfAB000403

Prepared for:

dcp Midstream

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

***Prepared by:***

TASMAN

6855 W. 119th Ave.
Broomfield, CO 80020

**February 28, 2023**

# Table of Contents



**Tables**



**Figures**



**Appendices**

# 1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the second half 2022 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 December 9, 2022. 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 the second half 2022 semi-annual monitoring event on December 9, 2022. 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 monitor well MW-1 in the March and December sampling events. LNAPL was not observed in monitor well MW-5 during the March 2022 sampling event, however, LNAPL was observed in monitor well MW-5 during the December 2022 event with a measured LNAPL thickness of 0.04 feet.

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.

A second half 2022 groundwater elevation map, included as Figure 3, indicates that groundwater flow at the Site trends to the southeast. Groundwater elevations decreased during the monitoring period compared to the first half 2022 by an average of 0.16 feet. Groundwater elevations 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**

| | Second Half 2022 (12/9/2022) |
|---|---|
| Maximum Elevation (Well ID) | 3,564.75 feet (MW-2) |
| Minimum Elevation (Well ID) | 3,558.57 feet (MW-3) |
| Average Change from Previous Monitoring Event (ft) – All Wells | -0.16 feet |
| Hydraulic Gradient (ft/ft) / (Well IDs) | 0.0067 (MW-2 to MW-3) |

## 3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements, groundwater samples were collected from the seven 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.

Monitoring wells MW-1 and MW-5 were purged and sampled, despite exhibiting measurable amounts of LNAPL, to assess BTEX concentrations following the hiatus of remedial activities. Remedial activities are discussed in Section 4.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the reporting period. Historical analytical results up to and including the December 9, 2022 event are presented in Appendix A, and the laboratory analytical report for the second half 2022 event is included in Appendix B. Analytical results are also displayed on Figure 4.

Analytical results/observations are summarized below:

- LNAPL was observed in monitoring wells MW-1 and MW-5 with a measurable thickness of 0.94 feet and 0.04 feet, respectively.
- Benzene was detected at concentrations greater than the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.005 milligrams per liter (mg/L) in monitoring wells MW-1 (0.0646 mg/L), MW-5 and its associated duplicate (0.0173 mg/L and 0.0174, respectively), and MW-7 (0.0185 mg/L).
- Toluene, ethylbenzene, and total xylenes were not detected above NMWQCC standards and/or the laboratory reported detection limit (RDL) 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 the sampling event. The data were reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed and indicate that samples were received at the proper temperature with no headspace. All data were reported using the correct method number and reporting units. QA/QC items of note for the second half 2022 include the following:

- Toluene was detected in the trip blank below the RDL but above the method detection limit (MDL); and
- The duplicate sample collected at monitor well MW-5 had a calculated relative percentage difference (RPD) of 0.57% for benzene, which is within the target control range of 20%.

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

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 first half 2022 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.

EFR was performed during the second half 2022. On October 25, 2022, EFR was applied to monitor well MW-1 for an approximate 8-hour period at a constant pressure of 30 pounds per square inch (psi), which produced approximately 30 barrels (bbls) of groundwater. The recovered groundwater was transported for disposal at the Cooper Disposal Facility in Hobbs, New Mexico.

# 5. Conclusions

Data and observations collected during the second half 2022 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 sample collected at monitor well MW-5 indicate that remaining source material in the vicinity is highly degraded and does not contribute significantly to dissolved phase impacts. Monitor Well MW-2 continued to exhibit benzene concentrations below NMWQCC standards during the December 9, 2022, event, following a one-time exceedance of the NMWQCC standard for benzene reported during the September 20, 2019 event.
- Monitor wells MW-3 and MW-4 have not had any BTEX constituents detected since May 1995.
- LNAPL thickness decreased at monitor well MW-1 from 1.09 feet in the first half 2022 to 0.94 feet in the second half 2022. The detected concentration of benzene (0.0646 mg/L) decreased since the first half 2021 (0.185 mg/L), the last event that monitor well MW-1 was sampled. Monitor well MW-1 is not intended to become part of the regular sampling schedule unless LNPAL is not observed.
- The overall decrease in historical LNAPL thickness at the Site, the relatively low dissolved phase benzene concentrations at monitoring wells MW-1, MW1-D, MW-5, and MW-7, and the continued non-detect results at downgradient monitoring wells indicate continued mitigation of Site impacts through active and passive remediation efforts.
- Monitor well MW-6 was inadvertently sampled despite it being removed from the Site sampling plan in the first half 2017 due to health and safety concerns. Benzene was not detected above the laboratory RDL and has not been detected since 2010. Monitor well MW-6 is not intended to return to a regular sampling frequency as these safety concerns are still present at the site.

# 6. Recommendations

Based on evaluation of second half 2022 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.
- Conduct quarterly EFR events at monitor wells MW-1 and MW-5 during 2023.

Tables

**TABLE 1**
**SECOND HALF 2022 SEMI-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 | 3/25/2022 | 29.43 | 28.34 | 1.09 | 41.66 | 3591.15 | 3562.54 | -0.42 |
| MW-1 | 12/9/2022 | 29.39 | 28.45 | 0.94 | 41.19 | 3591.15 | 3562.47 | -0.07 |
| MW-1D | 3/25/2022 | 28.47 | | | 36.34 | 3591.31 | 3562.84 | -0.37 |
| MW-1D | 12/9/2022 | 28.57 | | | 36.29 | 3591.31 | 3562.74 | -0.10 |
| MW-2 | 3/25/2022 | 31.33 | | | 43.90 | 3596.30 | 3564.97 | -0.39 |
| MW-2 | 12/9/2022 | 31.55 | | | 43.24 | 3596.30 | 3564.75 | -0.22 |
| MW-3 | 3/25/2022 | 24.72 | | | 35.65 | 3583.60 | 3558.88 | -0.38 |
| MW-3 | 12/9/2022 | 25.03 | | | 35.75 | 3583.60 | 3558.57 | -0.31 |
| MW-4 | 3/25/2022 | 28.11 | | | 39.65 | 3588.77 | 3560.66 | -0.37 |
| MW-4 | 12/9/2022 | 28.34 | | | 39.09 | 3588.77 | 3560.43 | -0.23 |
| MW-5 | 3/25/2022 | 30.04 | | | 38.19 | 3592.16 | 3562.12 | -0.33 |
| MW-5 | 12/9/2022 | 30.16 | 30.12 | 0.04 | 38.47 | 3592.16 | 3562.03 | -0.09 |
| MW-6 | 3/25/2022 | NM | | | NM | 3587.93 | NM | NM |
| MW-6 | 12/9/2022 | 27.07 | | | 39.36 | 3587.93 | 3560.86 | NM |
| MW-7 | 3/25/2022 | 27.93 | | | 35.02 | 3589.40 | 3561.47 | -0.33 |
| MW-7 | 12/9/2022 | 28.06 | | | 38.03 | 3589.40 | 3561.34 | -0.13 |
| | | | | | | | Average change in groundwater elevation (3/25/2022 to 12/9/2022) | -0.16 |

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) |

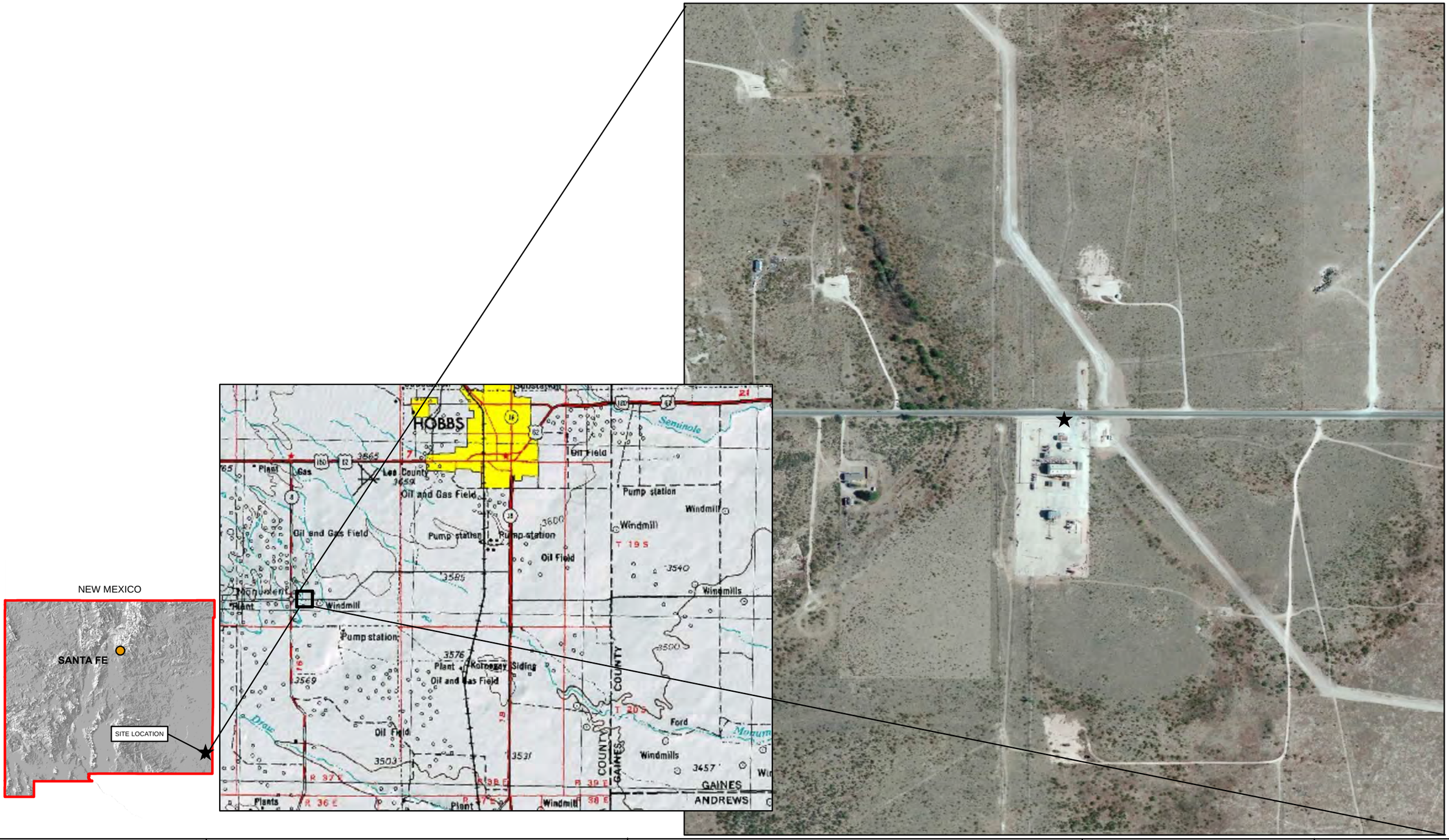
NM = Not Measured

# TABLE 2
# SECOND HALF 2022 SEMI-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)** | | **0.005** | **1.00** | **0.70** | **0.62** | |
| MW-1 | 12/09/22 | **0.0646** | <0.0100 | 0.226 | 0.0146 J | 0.94 ft LNAPL |
| MW-1D | 12/09/22 | 0.000589 J | <0.00100 | <0.00100 | <0.00300 | |
| MW-2 | 12/09/22 | 0.00468 | 0.000418 J | <0.00100 | <0.00300 | |
| MW-3 | 12/09/22 | <0.00100 | <0.00100 | <0.00100 | <0.00300 | |
| MW-4 | 12/09/22 | <0.00100 | <0.00100 | <0.00100 | <0.00300 | |
| MW-5 | 12/09/22 | **0.0173** | 0.000614 J | 0.00605 | 0.000642 J | Duplicate sample collected; 0.04 ft LNAPL |
| MW-5 (Duplicate) | 12/09/22 | **0.0174** | 0.000511 J | 0.00560 | 0.000654 J | |
| MW-6 | 12/09/22 | <0.00100 | <0.00100 | <0.00100 | <0.00300 | |
| MW-7 | 12/09/22 | **0.0185** | <0.00100 | 0.00553 | 0.00127 J | |
| Trip Blank | 12/09/22 | <0.00100 | 0.000338 J | <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).

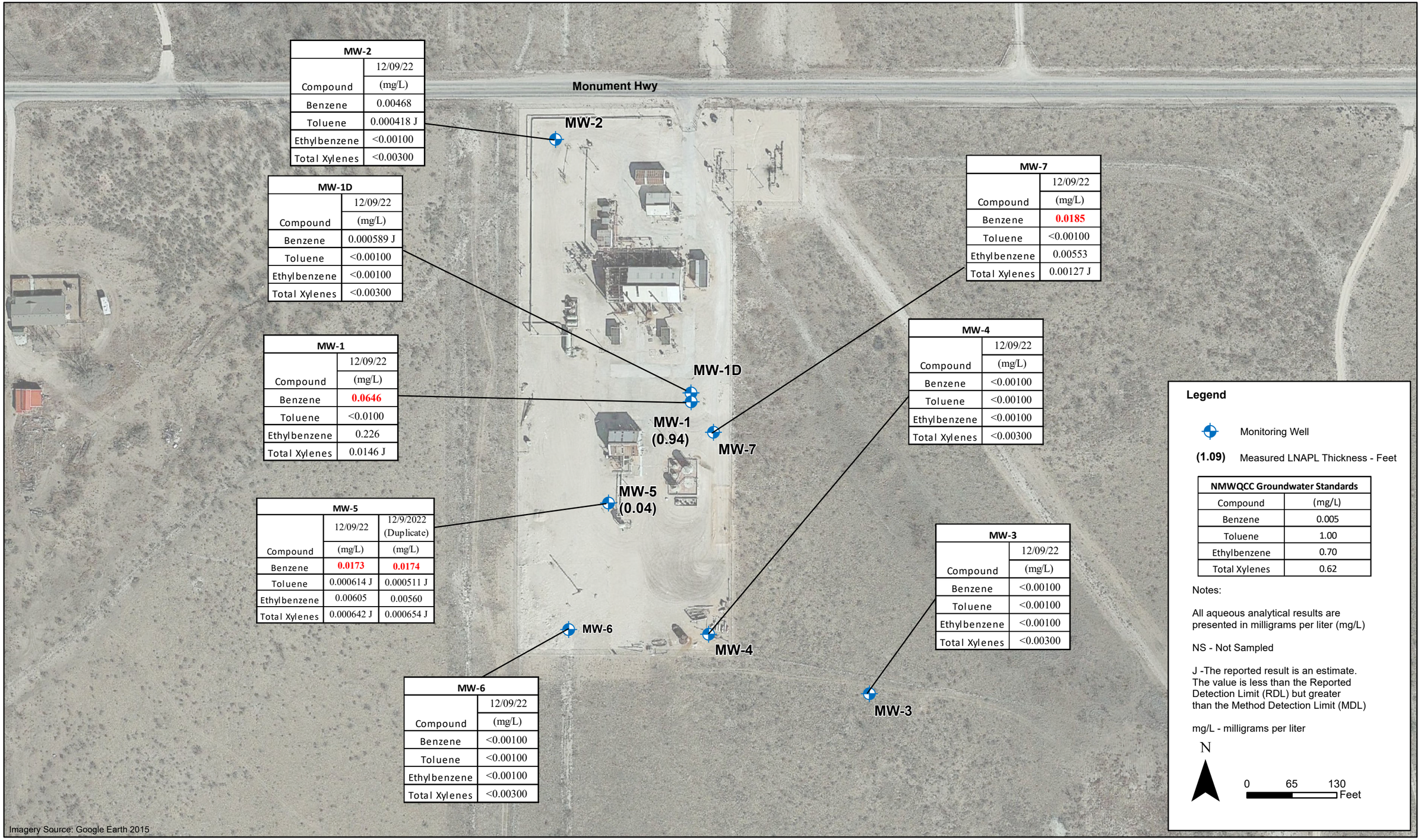
Figures




| | | | |
|---|---|---|---|
| DATE: May 2015<br>DESIGNED BY: T. Johansen<br>DRAWN BY: D. Arnold | TASMAN<br>**Tasman, Inc.**<br>**6855 W. 119th Avenue**<br>**Broomfield, Colorado 80020** | **DCP Midstream**<br>**Monument Booster Station**<br>Unit B, Section 33, Township 19 South, Range 37 East<br>Lea County, New Mexico | Site Location Map | Figure 1 |


| | | | |
|---|---|---|---|
| DATE: November 2021<br>DESIGNED BY: B. Humphrey<br>DRAWN BY: C. Ambler | TASMAN<br>**Tasman Geosciences, Inc.**<br>**6855 W. 119th Avenue**<br>**Broomfield, Colorado 80020** | **DCP Midstream**<br>**Monument Booster Station**<br>Second Half 2022 Semi-Annual<br>Groundwater Monitoring Summary Report | Site Map with<br>Monitoring Well Locations | Figure<br>2 |


| | | | | |
|---|---|---|---|---|
| DATE: February 2023<br>DESIGNED BY: B. Humphrey<br>DRAWN BY: M. Kaczmarek | TASMAN<br>Tasman, Inc.<br>6855 W. 119th Avenue<br>Broomfield, Colorado 80020 | **DCP Midstream**<br>**Monument Booster Station**<br>Second Half 2022 Semi-Annual Groundwater Monitoring Summary Report | Groundwater Elevation Contour Map (December 9, 2022) | Figure 3 |




| MW-2 | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | 0.00468 |
| Toluene | 0.000418 J |
| Ethylbenzene | <0.00100 |
| Total Xylenes | <0.00300 |

| MW-1D | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | 0.000589 J |
| Toluene | <0.00100 |
| Ethylbenzene | <0.00100 |
| Total Xylenes | <0.00300 |

| MW-1 | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | **0.0646** |
| Toluene | <0.0100 |
| Ethylbenzene | 0.226 |
| Total Xylenes | 0.0146 J |

| MW-7 | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | **0.0185** |
| Toluene | <0.00100 |
| Ethylbenzene | 0.00553 |
| Total Xylenes | 0.00127 J |

| MW-4 | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | <0.00100 |
| Toluene | <0.00100 |
| Ethylbenzene | <0.00100 |
| Total Xylenes | <0.00300 |

| MW-5 | | |
|---|---|---|
| | 12/09/22 | 12/9/2022 (Duplicate) |
| Compound | (mg/L) | (mg/L) |
| Benzene | **0.0173** | **0.0174** |
| Toluene | 0.000614 J | 0.000511 J |
| Ethylbenzene | 0.00605 | 0.00560 |
| Total Xylenes | 0.000642 J | 0.000654 J |

| MW-3 | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | <0.00100 |
| Toluene | <0.00100 |
| Ethylbenzene | <0.00100 |
| Total Xylenes | <0.00300 |

| MW-6 | |
|---|---|
| | 12/09/22 |
| Compound | (mg/L) |
| Benzene | <0.00100 |
| Toluene | <0.00100 |
| Ethylbenzene | <0.00100 |
| Total Xylenes | <0.00300 |

**Legend**

Monitoring Well

**(1.09)** Measured LNAPL Thickness - Feet

| NMWQCC Groundwater Standards | |
|---|---|
| Compound | (mg/L) |
| Benzene | 0.005 |
| Toluene | 1.00 |
| Ethylbenzene | 0.70 |
| Total Xylenes | 0.62 |

Notes:

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

NS - Not Sampled

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

mg/L - milligrams per liter

N

0 65 130 Feet

DATE: January 2023
DESIGNED BY: J. Watts
DRAWN BY: L. Reed

TASMAN

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

**DCP Midstream**
**Monument Booster Station**
Second Half 2022 Semi-Annual Groundwater Monitoring Summary Report

Analytical Results Map
(December 9, 2022)

Figure
4

# 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-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 | |
| MW-1D | 09/24/14 | <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-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-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 | |
| 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 | |

# 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 | 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-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 | |
| 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 | |

# 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-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-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 | |
| 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-5 | 09/15/11 | LNAPL | LNAPL | LNAPL | LNAPL | |

# 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-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-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 | |
| 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 | |

# 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 | 09/26/16 | <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 | |
| 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 | |
| MW-7 | 02/21/13 | 0.0059 | <0.001 | 0.0049 | <0.003 | |
| MW-7 | 09/11/13 | 0.0024 | <0.001 | 0.0013 | <0.001 | |
| MW-7 | 02/26/14 | 0.003 | <0.001 | <0.001 | <0.001 | |
| 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 | |
| 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 |

# 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 (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 | |
| | | | | | | |
| 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 | |

**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 Analytical Report #: L1566489

# ANALYTICAL REPORT

December 19, 2022



## DCP Midstream - Tasman

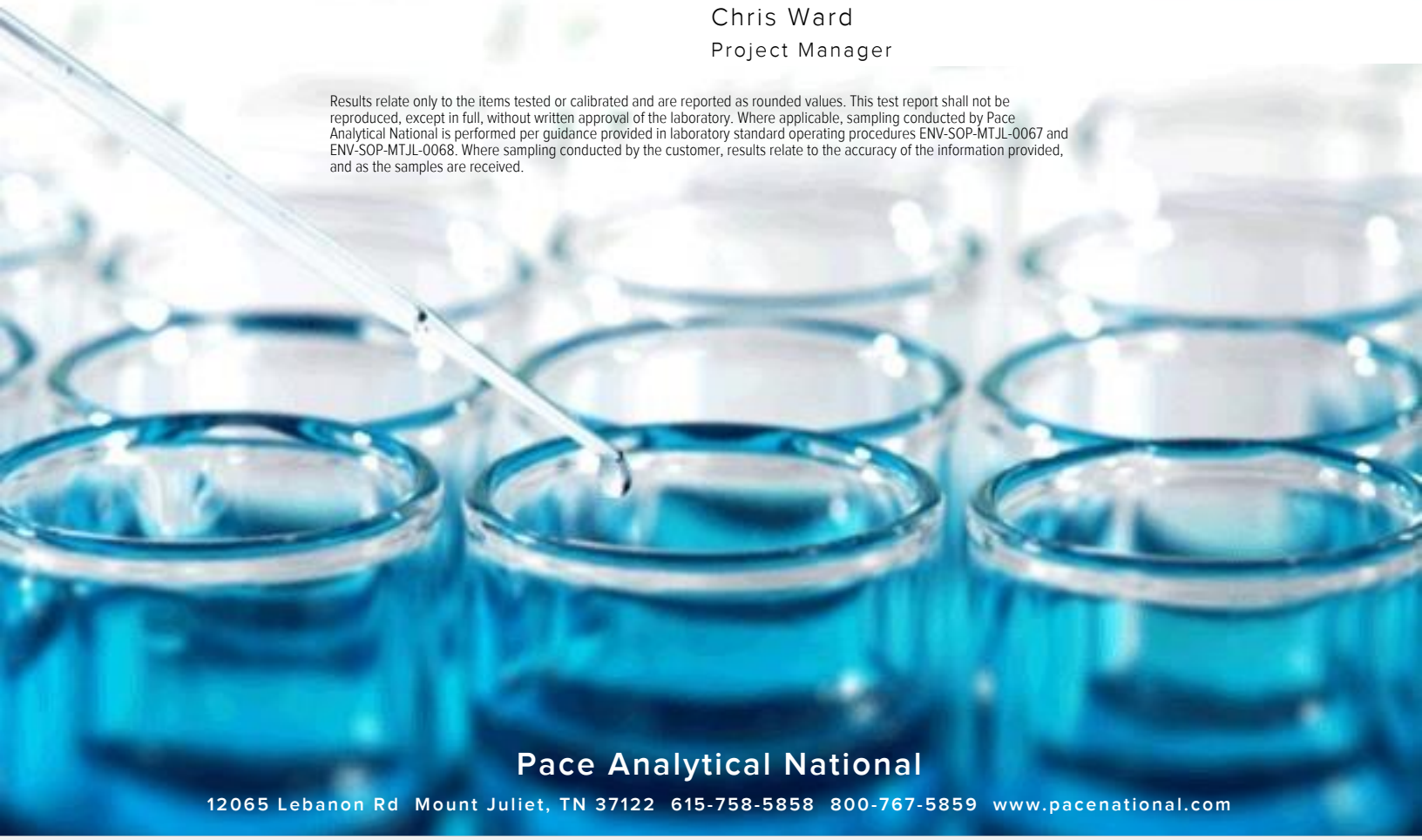
| | |
|---|---|
| Sample Delivery Group: | L1566489 |
| Samples Received: | 12/10/2022 |
| Project Number: | |
| Description: | Monument Booster Station |

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

Entire Report Reviewed By:

Chris Ward
Project Manager





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

# TABLE OF CONTENTS

## MW-1 L1566489-01 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 12:00 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 10 | 12/16/22 06:28 | 12/16/22 06:28 | JHH | Mt. Juliet, TN |

## MW-1D L1566489-02 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 11:17 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 03:43 | 12/16/22 03:43 | JHH | Mt. Juliet, TN |

## MW-2 L1566489-03 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 10:54 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 04:04 | 12/16/22 04:04 | JHH | Mt. Juliet, TN |

## MW-3 L1566489-04 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 09:09 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 04:24 | 12/16/22 04:24 | JHH | Mt. Juliet, TN |

## MW-4 L1566489-05 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 10:30 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 04:45 | 12/16/22 04:45 | JHH | Mt. Juliet, TN |

## MW-5 L1566489-06 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 12:26 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 05:05 | 12/16/22 05:05 | JHH | Mt. Juliet, TN |

## MW-7 L1566489-07 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 11:34 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 05:26 | 12/16/22 05:26 | JHH | Mt. Juliet, TN |

## DUPLICATE L1566489-08 GW

Collected by: Chris Flores | Collected date/time: 12/09/22 00:00 | Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 05:47 | 12/16/22 05:47 | JHH | Mt. Juliet, TN |

## TRIP BLANK L1566489-09 GW

Collected by: Chris Flores
Collected date/time: 12/09/22 00:00
Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 00:19 | 12/16/22 00:19 | JHH | Mt. Juliet, TN |

## MW-6 L1566489-10 GW

Collected by: Chris Flores
Collected date/time: 12/09/22 10:15
Received date/time: 12/10/22 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1975380 | 1 | 12/16/22 06:07 | 12/16/22 06:07 | JHH | Mt. Juliet, TN |

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

Chris Ward
Project Manager

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.0646 | | 0.000941 | 0.0100 | 10 | 12/16/2022 06:28 | WG1975380 |
| Toluene | U | | 0.00278 | 0.0100 | 10 | 12/16/2022 06:28 | WG1975380 |
| Ethylbenzene | 0.226 | | 0.00137 | 0.0100 | 10 | 12/16/2022 06:28 | WG1975380 |
| Total Xylenes | 0.0146 | J | 0.00174 | 0.0300 | 10 | 12/16/2022 06:28 | WG1975380 |
| *(S) Toluene-d8* | *99.3* | | | *80.0-120* | | *12/16/2022 06:28* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *116* | | | *77.0-126* | | *12/16/2022 06:28* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *94.9* | | | *70.0-130* | | *12/16/2022 06:28* | WG1975380 |

## 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 | 0.000589 | J | 0.0000941 | 0.00100 | 1 | 12/16/2022 03:43 | WG1975380 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 12/16/2022 03:43 | WG1975380 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 12/16/2022 03:43 | WG1975380 |
| Total Xylenes | U | | 0.000174 | 0.00300 | 1 | 12/16/2022 03:43 | WG1975380 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* | | *12/16/2022 03:43* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *100* | | | *77.0-126* | | *12/16/2022 03:43* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *90.6* | | | *70.0-130* | | *12/16/2022 03:43* | WG1975380 |

MW-2
Collected date/time: 12/09/22 10:54
L1566489

## 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 | 0.00468 | | 0.0000941 | 0.00100 | 1 | 12/16/2022 04:04 | WG1975380 |
| Toluene | 0.000418 | J | 0.000278 | 0.00100 | 1 | 12/16/2022 04:04 | WG1975380 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 12/16/2022 04:04 | WG1975380 |
| Total Xylenes | U | | 0.000174 | 0.00300 | 1 | 12/16/2022 04:04 | WG1975380 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *12/16/2022 04:04* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *12/16/2022 04:04* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *93.9* | | | *70.0-130* | | *12/16/2022 04:04* | WG1975380 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 12/16/2022 04:24 | WG1975380 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 12/16/2022 04:24 | WG1975380 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 12/16/2022 04:24 | WG1975380 |
| Total Xylenes | U | | 0.000174 | 0.00300 | 1 | 12/16/2022 04:24 | WG1975380 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* | | *12/16/2022 04:24* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *101* | | | *77.0-126* | | *12/16/2022 04:24* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *90.4* | | | *70.0-130* | | *12/16/2022 04:24* | WG1975380 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 12/16/2022 04:45 | WG1975380 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 12/16/2022 04:45 | WG1975380 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 12/16/2022 04:45 | WG1975380 |
| Total Xylenes | U | | 0.000174 | 0.00300 | 1 | 12/16/2022 04:45 | WG1975380 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *12/16/2022 04:45* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *12/16/2022 04:45* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *94.8* | | | *70.0-130* | | *12/16/2022 04:45* | WG1975380 |

## 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 | 0.0173 | | 0.0000941 | 0.00100 | 1 | 12/16/2022 05:05 | WG1975380 |
| Toluene | 0.000614 | J | 0.000278 | 0.00100 | 1 | 12/16/2022 05:05 | WG1975380 |
| Ethylbenzene | 0.00605 | | 0.000137 | 0.00100 | 1 | 12/16/2022 05:05 | WG1975380 |
| Total Xylenes | 0.000642 | J | 0.000174 | 0.00300 | 1 | 12/16/2022 05:05 | WG1975380 |
| *(S) Toluene-d8* | *109* | | | *80.0-120* | | *12/16/2022 05:05* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *142* | J1 | | *77.0-126* | | *12/16/2022 05:05* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *92.8* | | | *70.0-130* | | *12/16/2022 05:05* | WG1975380 |

## 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 | 0.0185 | | 0.0000941 | 0.00100 | 1 | 12/16/2022 05:26 | WG1975380 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 12/16/2022 05:26 | WG1975380 |
| Ethylbenzene | 0.00553 | | 0.000137 | 0.00100 | 1 | 12/16/2022 05:26 | WG1975380 |
| Total Xylenes | 0.00127 | J | 0.000174 | 0.00300 | 1 | 12/16/2022 05:26 | WG1975380 |
| *(S) Toluene-d8* | *103* | | | *80.0-120* | | *12/16/2022 05:26* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *12/16/2022 05:26* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *91.6* | | | *70.0-130* | | *12/16/2022 05:26* | WG1975380 |

## 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 | 0.0174 | | 0.0000941 | 0.00100 | 1 | 12/16/2022 05:47 | WG1975380 |
| Toluene | 0.000511 | J | 0.000278 | 0.00100 | 1 | 12/16/2022 05:47 | WG1975380 |
| Ethylbenzene | 0.00560 | | 0.000137 | 0.00100 | 1 | 12/16/2022 05:47 | WG1975380 |
| Total Xylenes | 0.000654 | J | 0.000174 | 0.00300 | 1 | 12/16/2022 05:47 | WG1975380 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* | | *12/16/2022 05:47* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *122* | | | *77.0-126* | | *12/16/2022 05:47* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *90.6* | | | *70.0-130* | | *12/16/2022 05:47* | WG1975380 |

TRIP BLANK
Collected date/time: 12/09/22 00:00
L1566489

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 12/16/2022 00:19 | WG1975380 |
| Toluene | 0.000338 | J | 0.000278 | 0.00100 | 1 | 12/16/2022 00:19 | WG1975380 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 12/16/2022 00:19 | WG1975380 |
| Total Xylenes | U | | 0.000174 | 0.00300 | 1 | 12/16/2022 00:19 | WG1975380 |
| *(S) Toluene-d8* | *102* | | | *80.0-120* | | *12/16/2022 00:19* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *96.6* | | | *77.0-126* | | *12/16/2022 00:19* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *90.3* | | | *70.0-130* | | *12/16/2022 00:19* | WG1975380 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | U | | 0.0000941 | 0.00100 | 1 | 12/16/2022 06:07 | WG1975380 |
| Toluene | U | | 0.000278 | 0.00100 | 1 | 12/16/2022 06:07 | WG1975380 |
| Ethylbenzene | U | | 0.000137 | 0.00100 | 1 | 12/16/2022 06:07 | WG1975380 |
| Total Xylenes | U | | 0.000174 | 0.00300 | 1 | 12/16/2022 06:07 | WG1975380 |
| *(S) Toluene-d8* | *101* | | | *80.0-120* | | *12/16/2022 06:07* | WG1975380 |
| *(S) 4-Bromofluorobenzene* | *101* | | | *77.0-126* | | *12/16/2022 06:07* | WG1975380 |
| *(S) 1,2-Dichloroethane-d4* | *93.9* | | | *70.0-130* | | *12/16/2022 06:07* | WG1975380 |

## Method Blank (MB)

(MB) R3873285-3 12/15/22 23:27

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | U | | 0.0000941 | 0.00100 |
| Toluene | U | | 0.000278 | 0.00100 |
| Ethylbenzene | U | | 0.000137 | 0.00100 |
| Xylenes, Total | U | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *99.9* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *89.1* | | | *70.0-130* |

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

(LCS) R3873285-1 12/15/22 22:25 • (LCSD) R3873285-2 12/15/22 22:46

| 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 | 0.00461 | 0.00487 | 92.2 | 97.4 | 70.0-123 | | | 5.49 | 20 |
| Toluene | 0.00500 | 0.00472 | 0.00482 | 94.4 | 96.4 | 79.0-120 | | | 2.10 | 20 |
| Ethylbenzene | 0.00500 | 0.00486 | 0.00510 | 97.2 | 102 | 79.0-123 | | | 4.82 | 20 |
| Xylenes, Total | 0.0150 | 0.0146 | 0.0147 | 97.3 | 98.0 | 79.0-123 | | | 0.683 | 20 |
| *(S) Toluene-d8* | | | | *101* | *102* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *98.6* | *100* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *91.7* | *92.8* | *70.0-130* | | | | |

## L1566427-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1566427-08 12/16/22 03:23 • (MS) R3873285-4 12/16/22 06:48 • (MSD) R3873285-5 12/16/22 07:09

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | U | 0.00418 | 0.00375 | 83.6 | 75.0 | 1 | 17.0-158 | | | 10.8 | 27 |
| Toluene | 0.00500 | U | 0.00437 | 0.00401 | 87.4 | 80.2 | 1 | 26.0-154 | | | 8.59 | 28 |
| Ethylbenzene | 0.00500 | U | 0.00484 | 0.00419 | 96.8 | 83.8 | 1 | 30.0-155 | | | 14.4 | 27 |
| Xylenes, Total | 0.0150 | U | 0.0140 | 0.0133 | 93.3 | 88.7 | 1 | 29.0-154 | | | 5.13 | 28 |
| *(S) Toluene-d8* | | | | | *103* | *103* | | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | | *102* | *101* | | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | | *95.8* | *94.8* | | *70.0-130* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

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

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

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

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

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

Pres Chk

Report to: **Kyle Norman**

Email To: **knorman@tasman-geo.com;swweathers@dcpmidstream.com;jwat**

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): Chris Flores

Site/Facility ID #

P.O. # **0000524231**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

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

SDG # 1566489
J209

Acctnum: **DCPTASMAN**
Template: **T127836**
Prelogin: **P966740**
PM: **824 - Chris Ward**
PB:
Shipped Via: **FedEX Ground**

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | V8260BTEX 40ml Amb-HCl | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | | GW | | 12/9/22 | 12:00 | 3 | X | | -01 |
| MW-1D | | GW | | | 11:17 | 3 | X | | -02 |
| MW-2 | | GW | | | 10:54 | 3 | X | | -03 |
| MW-3 | | GW | | | 9:09 | 3 | X | | -04 |
| MW-4 | | GW | | | 10:30 | 3 | X | | -05 |
| MW-5 | | GW | | | 12:26 | 3 | X | | -06 |
| MW-7 | | GW | | | 11:34 | 3 | X | | -07 |
| DUPLICATE | | GW | | | — | 3 | X | | -08 |
| TRIP BLANK | | GW | | | — | 1 | X | | -09 |
| MW-6 | | GW | | 12/9/22 | 10:15 | 3 | X | | -10 |

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

**Remarks:**

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 0221 5829 6697 4970

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

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR |
|---|---|---|---|---|
| | 12/9/22 | 14:08 | | 1 |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: |
| | | | | 3.0+0=3.0 27 |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: Time: |
| | | | | 12/10/22 1000 |

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

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

CONDITIONS

Action 193369

## CONDITIONS

| Operator: | OGRID: |
|---|---|
| DCP OPERATING COMPANY, LP<br>6900 E. Layton Ave<br>Denver, CO 80237 | 36785 |
| | Action Number:<br>193369 |
| | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| nvelez | Review of Second Half 2022 Semi-Annual Groundwater Monitoring Summary Report: Content satisfactory 1. Continue with the recommendations presented in this report. 2. Reporting frequency changed from semi-annually to annually. Submit next report to OCD no later than April 1, 2024. | 3/27/2023 |