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May 12, 2023

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By PSTB at 2:08 pm, May 12, 2023

Project #22104-0002

Mr. Corey Jarrett, Project Manager New
Mexico Environment Department
Petroleum Storage Tank Bureau
121 Tijeras Ave NE, Suite 1000
Albuquerque, New Mexico 87102

Phone: (505) 372-8335
Email: corey.jarrett@env.nm.gov

**RE: 2023 FIRST QUARTERLY GROUNDWATER MONITORING REPORT**
**BARELA'S BRIDGE**
**800 Bridge Boulevard SW**
**ALBUQUERQUE, NEW MEXICO 87107**

**FACILITY #2985 RID #54**

Dear Mr. Jarrett:

Enclosed please find the report entitled *2023 First Quarterly Groundwater Monitoring Report* for the Barela's Bridge located at 800 Bridge Boulevard SW, Albuquerque, New Mexico. This report includes the monitoring and sampling results for five (5) of the six (6) monitor wells sampled on April 10th, 2023. One (1) well MW-4 was not sampled or monitored due to the well being dry. As stated in the approved workplan a credit of
$259.00 per well will be deducted from the actual claim amount. The reduced claim amount will be $8,517.23

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
**ENVIROTECH, INC.**

Greg Crabtree
Environmental Manager
gcrabtree@envirotech-inc.com

Enclosure: 2023 First Quarterly Groundwater Monitoring Report

Cc: NMED PSTBInbox
Client File Number 22104

# 2023 Quarterly Groundwater Monitoring and Sampling Report



## Barela's Bridge

FID #2985 RID #54
800 Bridge Boulevard SW
Albuquerque, New Mexico 87107

May 12, 2023
Envirotech Project #22104-0002
Contract ID No. 22 667 3200 0015

**Submitted To:**

Mr. Corey Jarrett, NMED-PSTB
121 Tijeras Ave. NE, Ste. 1000
Albuquerque, New Mexico 87102
Phone: (505) 372-8335
E-mail: corey.jarrett@env.nm.gov
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**Practical Solutions for a Better Tomorrow**
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# 2023 1ST QUARTER GROUNDWATER MONITORING REPORT

**FOR:**

**BARELA'S BRIDGE**
**800 BRIDGE BOULEVARD SW**
**ALBUQUERQUE, NEW MEXICO**
**FID #2958 RID#54**

**SUBMITTED TO:**

MR. COREY JARRETT, PROJECT MANAGER
NEW MEXICO ENVIRONMENT DEPARTMENT
PETROLEUM STORAGE TANK BUREAU
121 TIJERAS AVE. NE, SUITE 1000
ALBUQUERQUE, NEW MEXICO 87102
(505) 372-8335

**SUBMITTED BY:**

ENVIROTECH, INC.
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615

## PROJECT NO. 22104-0002

## MAY 2023

**2023 QUARTERLY GROUNDWATER MONITORING REPORT**
**BARELA'S BRIDGE**
**ALBUQUERQUE, NEW MEXICO**

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## INTRODUCTION

Envirotech, Inc. (Envirotech) presents this report to the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) to summarize groundwater monitoring activities and analytical results for the subject property Barela's Bridge located at 800 Bridge boulevard in Albuquerque, New Mexico. This report is presented in accordance with the New Mexico Petroleum Storage Tank Regulations (PSTRs), Title 20, Chapter 5, Part 12 New Mexico Administrative Code (20.5.12.1223 NMAC) and the requirements of the Workplan approved on February 24th, 2023. This is the 2023 1st quarterly groundwater monitoring event under the current approved Workplan. ***Figure 1, Vicinity Map*** illustrates the topography in the surrounding area of the Site.

## BACKGROUND

In 1989 after the initial release was reported, contaminated soil from the former UST (underground storage tank) pit was excavated and removed along with the southern site boundary. In 2012, the current USTs were installed. From 1989 to 1990, initial hydrogeological investigations were performed and in 1992 a soil vapor extraction system was installed. Ground water technology (GT) introduced five (5) soil borings in 1992 to act as multi-purpose wells and assistance with air sparge/soil vapor extraction. Upon results showing that an AS/SVE system could effectively remediate the source zone, GT proposed and introduced a full-scale system. By 1995 GT installed one monitor well (MW-9) and a total of seven (7) paired AS/SVE wells. Western Technologies performed ground water monitoring events between 2000 and 2003 and in May of 2003 WT decommissioned inactive AS/SVE systems and installed four (4) 10-foot-deep confirmation bores. Intera Geoscience and Engineering Solutions conducted eight (8) ground water monitoring events between 2014 and 2018. From 2018 to 2021 Western technologies conducted four (4) more ground water monitoring events.

## METHODOLOGY

The groundwater monitoring wells were provided sufficient time for the static water level to stabilize/equilibrate once each well is exposed to atmospheric conditions, prior to collecting a measurement. Depth-to-water was recorded from the top-of-casing (TOC) and utilized to calculate groundwater elevations and the volume of water in the well. The oil-water interface probe and groundwater-exposed measurement tape were decontaminated with an Alconox/tap water solution followed by a tap water rinse between each water level measurement to prevent cross-contamination.

All groundwater samples were analyzed for volatile organic compounds (VOCs) per EPA Method 8260B including BTEX, MTBE, and total naphthalene's. All ground water samples were analyzed for nitrate and sulfate (first event for analytes) per EPA Method 300.0. Monitoring well VP-2 was analyzed for total dissolved solids per EPA Method SM2540C.

Samples were collected using a new polyvinyl chloride (PVC) disposable bailer. Temperature, specific conductance (SpC), dissolved oxygen (DO), oxidation-reduction potential (ORP) and pH were measured and recorded following stabilization using a YSI ProDDS. Groundwater samples were collected into laboratory supplied 40-milliliter (mL) hydrochloric acid preserved (HCl) glass volatile organic analysis (VOA) vials and capped headspace free with Teflon$^{TM}$ seals and 250-mL nitric acid ($HNO_3$) preserved polyethylene containers. The groundwater samples were equipped with labels identifying sample location, date/time of sample collection, requested analysis, preservative, and sampler name. Samples were then placed on ice for hand delivery to a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory (Envirotech Laboratory).

## RESULTS

### *Groundwater Potentiometric Data*

During the 2023 1$^{st}$ quarter Groundwater Monitor Event, the groundwater gradient was calculated to be 0.002 feet with an approximate South flow direction. MW-9 was not used during groundwater gradient calculations due to an unusual change in water elevation from previous events. This change in water elevation (3.14 ft in elevation) could be the result of a potential water leak, or even a field measurement error. During future events Envirotech personnel will consciously observe the water elevation in MW-9 and its changes. Groundwater elevations are summarized in ***Table 1, Groundwater Elevation*** and depicted on ***Figure 3, Potentiometric Map.***

### *Groundwater Parameters*

Temperature readings ranged from 16.6 degrees Celsius (°C) in MW-8 to 19.2°C in VP-2. SpC readings ranged from 503 milli siemens (µS) in MW-9 to 771 (µS) in VP-5. DO readings ranged from 1.14 milligrams per liter (mg/L) in VP-5 to 1.74 mg/L in MW-7. PH readings ranged from 7.11 standard units in VP-5 to 7.56 standard units in MW-8. ORP readings ranged from -245.7 millivolts (mV) in MW-8 to -108.8 mV in VP-2. Full field notes can be found in ***Appendix A, Field Notes.***

### *Groundwater Analytical Results*

The laboratory analytical report is included as ***Appendix B, Laboratory Analytical***

***Report***, summarized in ***Table 2, Groundwater Analytical Results***, and depicted on ***Figure 4, Naphthalene Concentration Map.***

- Laboratory analytical results were below NMWQCC standard regulations in all wells for Benzene, Toluene, Ethylbenzene, Total Xylenes, MTBE, EDB, and EDC.
- Total naphthalene levels were above NMWQCC standard regulations in monitor wells VP-5 at 120 (ug/l) and MW-8 at 45.7 (ug/L). All other wells resulted in total naphthalene being below standard regulations.
- Nitrate levels were below NMWQCC standard regulations for all wells.
- Sulfate levels were below NMWQCC standard regulations in all wells.
- For the 1st quarter groundwater monitoring and sampling event, Total Dissolved Solids (TDS) were analyzed for monitor well VP-2 only. TDS levels in VP-2 were below NMWQCC regulations.

## DISCUSSION

MW-4 was not sampled due to insufficient water in the monitoring well. Western technologies reports on June 2021 that water parameters were unable to be recorded in MW-4 due to tree root blockage at the water table. Envirotech recommends the maintenance of MW-4 prior to future monitoring and sampling events.

Dissolved-phase contaminants-of-concern (COC) appear to include Naphthalene concentrations in two wells (VP-5) and (MW-8). All other VOCs were below NMWQCC regulatory standards.

Groundwater samples were analyzed for Sulfate and Nitrate during the 2023 1st Quarter Groundwater Monitoring Event. All monitoring wells have Sulfate and Nitrate levels below standard regulations.

At this point Naphthalene contamination is not contained and Envirotech recommends further testing. Based on groundwater gradient (south flow direction), elevated levels of naphthalene in VP-5 could mean that contamination could potentially be from an offsite source. A closer review of lithology logs and analytical results from the installation of VP-5 would help determine if naphthalene concentrations are coming from on-site or

offsite.

## CONCLUSION

On April 10th, 2023, six (6) groundwater monitor wells (MW-4, MW-7, MW-8, MW-9, VP-2 and VP-5) were monitored, and groundwater samples were collected for laboratory analysis. The groundwater monitor well (MW-4) was unable to be monitored and sampled due to insufficient water in the well. Water levels, temperature, SpC, DO, ORP, and pH were measured prior to sample collection. Groundwater samples were analyzed by Envirotech Analytical Laboratory of Farmington, New Mexico, for VOCs per EPA Method 8260B and Nitrate and Sulfate per EPA 300.0. Total Dissolved Solids per EPA SM2540C were recorded from monitoring well VP-2 only. Groundwater samples collected from wells VP-5 and MW-8 exhibited concentrations that exceed the 20.6.2.3103 NMAC standard for Naphthalene's.

Envirotech recommends the continued groundwater monitoring of all monitoring wells to gather additional information and determine if natural attenuation is occurring. Groundwater sample collection is recommended until laboratory analytical results indicate concentrations are in-compliance with 20.6.2.3103 NMQCC standards for eight (8) consecutive quarterly monitoring events.

Envirotech appreciates the opportunity to provide environmental consulting services on behalf of NMED. Please contact our office at (505) 632-0615 should you have any questions or require additional information.

Respectfully Submitted,
ENVIROTECH, INC.

Diego Aragon
Environmental Staff Scientist
daragon@envirotech-inc.com

Reviewed by:

Greg Crabtree, PE
Environmental Project Manager
gcrabtree@envirotech-inc.com

# Figures

**Figure 1, Vicinity Map**
**Figure 2, Site Map**
**Figure 3, Groundwater Elevation Map**
**Figure 4, Naphthalene Concentration Map**

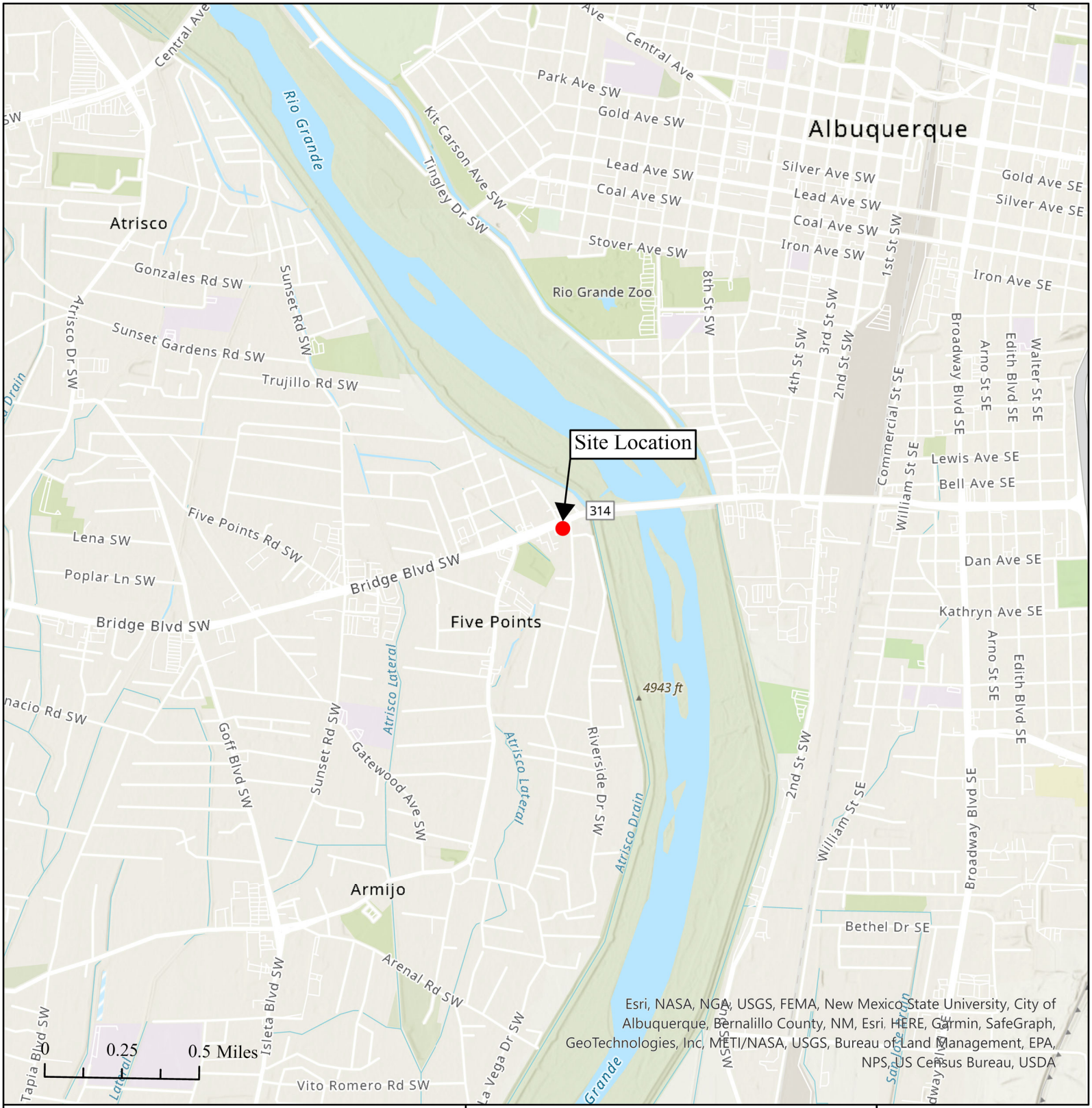


Figure 1, Vicinity Map

NMED PSTB
Barelas Bridge
Section 30 Township 10 North, Range 3 East
800 Bridge Blvd SW
Albuquerque, New Mexico
Facility ID #: 29854 Release ID #: 54
Project #22104-0002

envirotech

Environmental Scientists and Engineers
5796 U.S. Highway 64
Farmington, New Mexico 87401
505.632.0615

Date Drawn: 11/09/2022
Drawn by: P. Mesa

N


## Legend

- Plug and Abandoned
- Monitoring Well Locations
- Former Site Features

100 0 100 ft

Figure 2 Site Map

NMED PSTB
Barelas Bridge
Section 30 Township 10 North, Range 3 East
800 Bridge Blvd SW
Albuquerque, New Mexico
Facility ID #: 29854 Release ID #: 54
Project #22104-0002

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5796 U.S. Highway 64
Farmington, New MExico 87401
505.632.0615

Date Drawn: 11/09/2022
Drawn by: P. Mesa

N

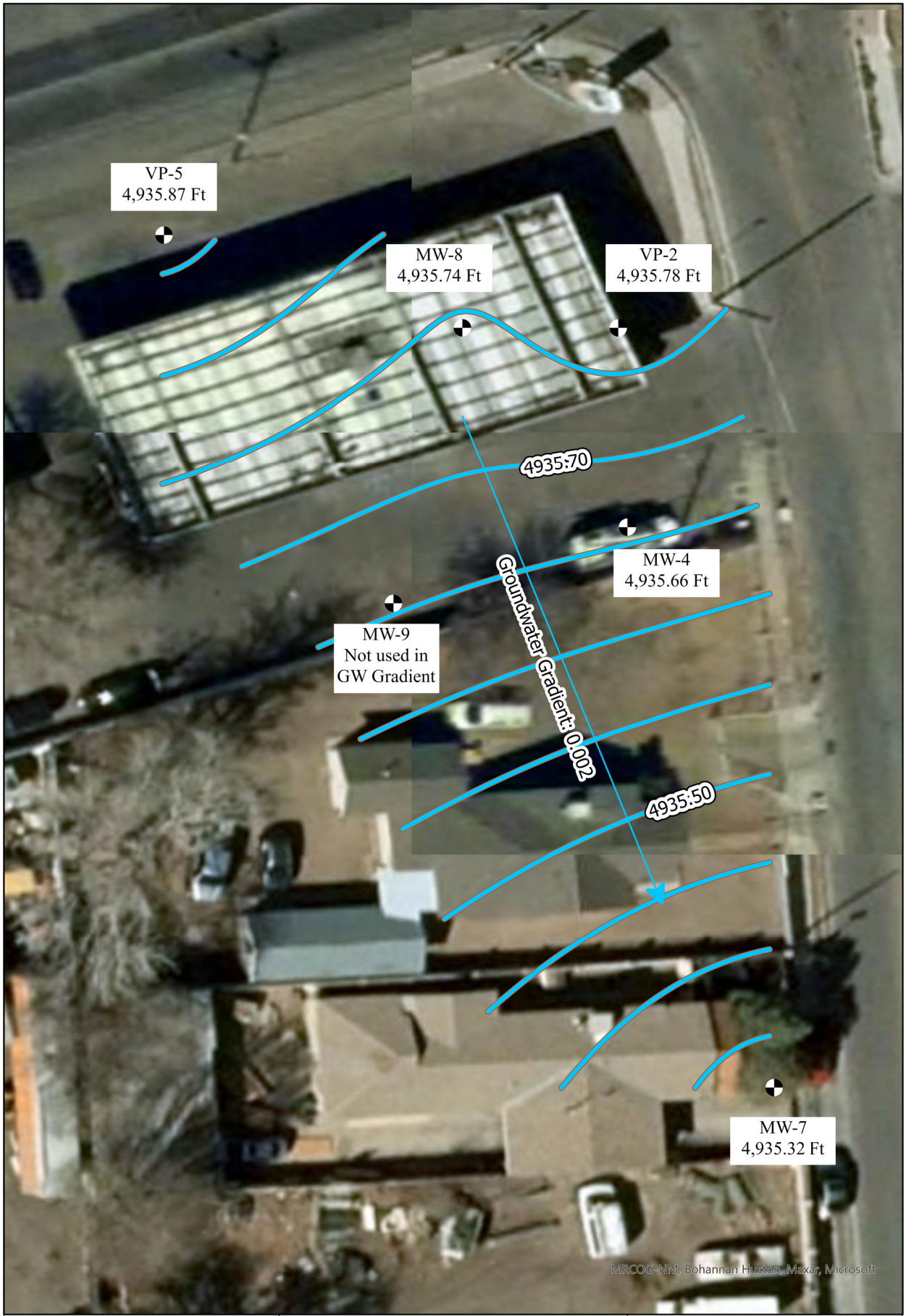


Figure #3, Potentiometric Map

NMED PSTB
Barela's Bridge
800 Bridge Blvd SW
Albuquerque, New Mexico
FID#29854 RID#54
Project #22104-0002

Legend

Groundwater Contour Lines

Monitoring Wells

N

0 10 20 40 Feet

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Environmental Scientists and Engineers
5796 U.S Highway 64
Farmington, New Mexico 87401
505.632.0615
Date Drawn: 05/08/2023
Drawn by: D. Aragon

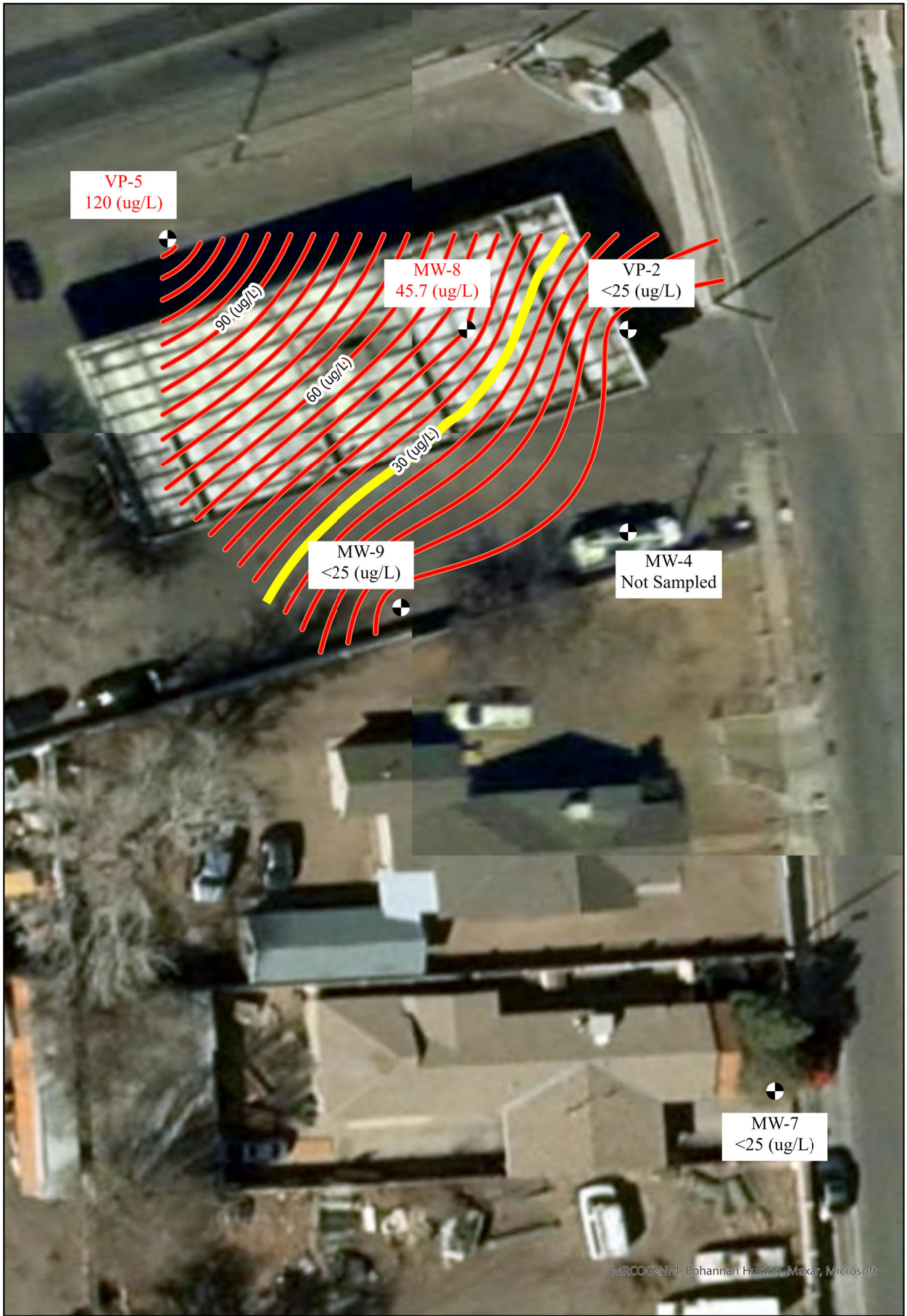


Figure #4 Naphthalene Concentration Map

NMED PSTB
Barela's Bridge
800 Bridge Blvd SW
Albuquerque, New Mexico
FID#29854 RID#54
Project #22104-0002

Legend

Naphthalene Concentration

Naphthalene Regulation Limit

Monitoring Wells

0 10 20 40 Feet

N

envirotech
Environmental Scientists and Engineers
5796 U.S Highway 64
Farmington, New Mexico 87401
505.632.0615
Date Drawn: 05/08/2023
Drawn by: D. Aragon

# Tables

## Table 1, Groundwater Elevation

## Table 2, Groundwater Analytical Results

**Table 2**

Groundwater Analytical Results
Barelas Bridge
Albuquerque, New Mexico
Project # 22104-0002
FID # 29854

| 20.6.2.3103 NMAC Standards | | 5 (µg/L) | 1000 (µg/L) | 700 (µg/L) | 620 (µg/L) | 100 (µg/L) | 0.05 (µg/L) | 5 (µg/L) | | | | 30 (µg/L) | 10 (mg/L) | 600 (mg/L) | 1000 (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Groundwater Monitoring Well** | **Sample Date** | **Benzene** | **Toluene** | **Ethylbenzene** | **Total Xylenes** | **MTBE** | **EDB** | **EDC** | **Naphthalene** | **1-Methyl** | **2-Methyl** | **Total Napthalenes** | **Nitrate** | **Sulfate** | **Total Dissolved Solids (VP-2)** |
| | | **EPA Method 8260B** | | | | | | | | | | | **EPA Method 300.0** | | |
| **MW-4** | 4/10/2023 | NS-Well Dry | | | | | | | | | | | | | |
| | 12/14/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.00 | | | |
| | 6/22/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.00 | | | |
| | 9/23/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.00 | | | |
| | 3/26/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.00 | | | |
| | 3/6/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.00 | | | |
| | 1/12/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 8.1 | <4.00 | <4.00 | 8.1 | | | |
| | 5/19/2015 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 2.1 | <4.00 | <4.00 | 2.1 | | | |
| | 12/2/2014 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.00 | | | |
| **MW-7** | 4/10/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <10.0 | <10.0 | <25 | <0.250 | 50.4 | |
| | 12/14/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| | 6/22/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 2.3 | <4.0 | <4.0 | 2.3 | | | |
| | 9/23/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| | 3/26/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| | 3/6/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| | 1/12/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| | 5/19/2015 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| | 12/2/2014 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.0 | <4.0 | <4.0 | <10.00 | | | |
| **MW-8** | 4/10/2023 | <1.00 | <1.00 | 9.56 | <1.00 | <1.00 | <1.00 | <1.00 | 18.8 | 11.6 | 15.3 | **45.7** | <0.250 | 17.7 | |
| | 12/14/2021 | <1.00 | <1.00 | 7.9 | 1.8 | <1.00 | <1.00 | <1.00 | 22 | 15 | 22 | **59** | | | |
| | 6/22/2021 | <1.00 | <1.00 | 10 | 2.7 | <1.00 | <1.00 | <1.00 | 27 | 14 | 27 | **68** | | | |
| | 9/23/2019 | <1.00 | <1.00 | 8.8 | 2.5 | <1.00 | <1.00 | <1.00 | 25 | 15 | 19 | **59** | | | |
| | 3/26/2019 | <1.00 | <1.00 | 9.7 | 2.4 | <1.00 | <1.00 | <1.00 | 25 | 15 | 17 | **57** | | | |
| | 3/6/2018 | <1.00 | <1.00 | 6.4 | 1.8 | <1.00 | <1.00 | <1.00 | 19 | 12 | 14 | **45** | | | |
| | 1/12/2018 | <1.00 | <1.00 | 7.9 | 2.4 | <1.00 | <1.00 | <1.00 | 25 | 13 | 18 | **56** | | | |
| | 5/19/2015 | <1.00 | <1.00 | 22 | 4.4 | <1.00 | <1.00 | <1.00 | 37 | 17 | 28 | **82** | | | |
| | 12/2/2014 | <1.00 | <1.00 | 17 | 7.5 | <1.00 | <1.00 | <1.00 | 33 | 20 | 29 | **62** | | | |
| **MW-9** | 4/10/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <10.0 | <10.0 | <25 | <0.250 | 56.4 | |
| | 12/14/2021 | <1.00 | <1.00 | 7.2 | 11 | <1.00 | <1.00 | <1.00 | 4.8 | <4.00 | 4.4 | 9.2 | | | |
| | 6/22/2021 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | 24 | 6.1 | 9.7 | 39.8 | | | |
| | 9/23/2019 | <1.00 | <1.00 | 9.0 | 32.0 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.0 | <10.00 | | | |
| | 3/26/2019 | 4.7 | <1.00 | 2.1 | 3.8 | <1.00 | <1.00 | <1.00 | 11 | 7 | 7.9 | 25.9 | | | |
| | 3/6/2018 | <1.00 | <1.00 | 11.0 | 3.8 | <1.00 | <1.00 | <1.00 | 11 | 7 | 7.9 | 25.9 | | | |
| | 1/12/2018 | 4 | 1.4 | 18.0 | 11.0 | <1.00 | <1.00 | <1.00 | 44 | 10 | 14 | 68 | | | |
| | 5/19/2015 | 21 | 3 | 14 | 18 | <1.00 | <1.00 | <1.00 | 2.7 | <4.00 | <4.00 | 2.7 | | | |
| | 12/2/2014 | 6.4 | <1.00 | 72 | 5.5 | <1.00 | <1.00 | <1.00 | 2.3 | <4.00 | <4.00 | 2.3 | | | |
| **VP-2** | 4/10/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <10.0 | <10.00 | <25 | <0.250 | 81.2 | 140 |
| | 12/14/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.0 | | | |
| | 6/22/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 2 | <4.00 | <4.00 | 2 | | | |
| | 9/23/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 3 | <4.00 | <4.00 | 3 | | | |
| | 3/26/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 8.7 | <4.00 | <4.00 | 8.7 | | | |
| | 3/6/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.0 | | | |
| | 1/12/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.0 | | | |
| | 5/19/2015 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | <10.0 | | | |
| | 12/2/2014 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | <4.00 | <4.00 | 3.6 | | | |
| **VP-5** | 4/10/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | 45.1 | 74.9 | **120** | <0.250 | 33.1 | |
| | 12/14/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | 53 | 97 | **150** | | | |
| | 6/22/2021 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | <2.00 | 30 | 54 | **84** | | | |
| | 9/23/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 2.1 | 56 | 78 | **136** | | | |
| | 3/26/2019 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 3.5 | 70 | 93 | **166.5** | | | |
| | 3/6/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 4.1 | 58 | 84 | **146.1** | | | |
| | 1/12/2018 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 4 | 40 | 55 | **95** | | | |
| | 5/19/2015 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 17 | 66 | 120 | **203** | | | |
| | 12/2/2014 | <1.00 | <1.00 | <1.00 | <1.5 | <1.00 | <1.00 | <1.00 | 20 | 99 | 780 | **279** | | | |

**Bold & Red** - indicates the concentration exceeded the applicable Title 20, Chapter 6, Part 2 New Mexico Administrative Code standard
20.6.2.3103 NMAC - Title 20, Chapter 6, Part 2 New Mexico Administrative Code
< - below the laboratory reporting limit
µg/L - micrograms per liter
EDC - 1,2-Dichloroethane
EPA - United States Environmental Protection Agency
NS - not sampled
MTBE - methyl tert-butyl ether
Total Naphthalenes - the summation of the results for naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene

| | |
|---|---|
| **Site Name:** | Barelas Bridge |
| **Facility#:** | 29854 |
| **Date:** | 4/19/2023 |
| **Project#:** | 22104-0002 |

# Table 1

Water Level Measurements

| Well No. | Date of Measurement | Top of Casing Elevation (ft) | Depth to Water (ft) | Water Elevation (ft) | Change from Previous Event (ft) |
|---|---|---|---|---|---|
| **MW-4** | 4/10/2023 | 4,943.23 | Well Dry | | |
| | 6/22/2021 | | 7.57 | 4,935.66 | 0.02 |
| | 9/23/2019 | | 7.59 | 4,935.64 | 0.14 |
| | 3/26/2019 | | 7.73 | 4,935.50 | -0.16 |
| | 3/6/2018 | | 7.57 | 4,935.66 | |
| | | | | | |
| **MW-7** | 4/10/2023 | 4,942.94 | 7.62 | 4,935.32 | 0.09 |
| | 6/22/2021 | | 7.71 | 4,935.23 | -0.01 |
| | 9/23/2019 | | 7.70 | 4,935.24 | 0.09 |
| | 3/26/2019 | | 7.79 | 4,935.15 | -0.16 |
| | 3/6/2018 | | 7.63 | 4,935.31 | |
| | | | | | |
| **MW-8** | 4 /10/ 2023 | 4,944.59 | 8.85 | 4,935.74 | 0.12 |
| | 6/22/2021 | | 8.97 | 4,935.62 | -0.06 |
| | 9/23/2019 | | 8.91 | 4,935.68 | 0.12 |
| | 3/26/2019 | | 9.03 | 4,935.56 | -0.13 |
| | 3/6/2018 | | 8.90 | 4,935.69 | |
| | | | | | |
| **MW-9** | 4/10/2023 | 4,943.98 | 5.32 | 4,938.66 | 3.14 |
| | 6/22/2021 | | 8.46 | 4,935.52 | -0.33 |
| | 9/23/2019 | | 8.43 | 4,935.55 | 0.05 |
| | 3/26/2019 | | 8.48 | 4,935.50 | -0.08 |
| | 3/6/2018 | | 8.40 | 4,935.58 | |
| | | | | | |
| **VP-2** | 4/10/2023 | 4,943.73 | 7.95 | 4,935.78 | 0.11 |
| | 6/22/2021 | | 8.06 | 4,935.67 | 0.54 |
| | 9/23/2019 | | 8.60 | 4,935.13 | -0.48 |
| | 3/26/2019 | | 8.12 | 4,935.61 | 0.00 |
| | 3/6/2018 | | 8.12 | 4935.61 | |
| | | | | | |
| **VP-5** | 4/10/2023 | 4,943.52 | 7.65 | 4,935.87 | 0.18 |
| | 6/22/2021 | | 7.83 | 4,935.69 | -0.06 |
| | 9/23/2019 | | 7.77 | 4,935.75 | 0.07 |
| | 3/26/2019 | | 7.84 | 4,935.68 | -0.07 |
| | 3/6/2018 | | 7.77 | 4,935.75 | |
| | | | | | |

# Appendix A

Field Notes

# MONITORING WELL DATA FORM

**WELL ID:** MW-4

**Location:** Barelas Bridge
**Project:** 1st Qtr, GW Monitoring
**Sampling Technician:** R. Garcia

**Project No.:** 22104-0002
**Date:** 4/10/2023
**Start/End Time:**
**Air Temp:** 70°

**Purge Device:** Bailer
**Well Diameter (in):** 2"
**Total Well Depth (ft):** 19.1'
**Water Column (ft):** 13.78

**Initial D.T.W. (ft):** 5.32' **Time:** 11:38 *(taken at initial gauging of all wells)*
**Final D.T.W. (ft):** **Time:** *(taken after sample collection)*
**If NAPL Present:** D.T.P.: D.T.W.: Thickness: Time:

## Water Quality Parameters - Recorded During Well Purging

| Time | Static Water Level | Temp (deg C) | Conductivity (µS/cm) | DO (mg/L) | pH s.u. | ORP (mV) | Purged Volume (see reverse for calc.) | Observations (sheen, odor, organic etc.) |
|---|---|---|---|---|---|---|---|---|
| *Stabilization Parameters* | | *2°C* | *3%* | *10%* | *1 s.u.* | *10 mV* | | |
| *See reverse for notes on purging and stabilization procedures* | | | | | | | | |
| 11:55 | 5.32' | 19.0 | 503 | 1.31 | 7.54 | -119.0 | 6.75 gal | Clear, no odor |
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**Disposal of Purged Water:** Evaporation ☐ Containerized ☐
**Collected Samples Stored on Ice in Cooler:** Yes ☐ No ☐
**Chain of Custody Record Complete:** Yes ☐ No ☐
**Analytical Laboratory:**
**Equipment Used During Sampling:**

**Notes/Comments** ***(use this area to document well condition and/or other site maitenance issues):***

**Water quality parameters are consider stable when two (2) consecutive measurements meet the following: temperature is within 2°C; pH is within one (1) standard unit; specific conductance/conductivity is within 3%; dissolved oxygen (DO) is within 10%; and oxidation reduction potential (ORP) is within 10 mV.**

**The parameters should be recorded approximately every well volume when using a bailer and every 2 minutes when using a pump.**

---

**If it is necessary to calculate the volume of the monitoring well to determine what volume of groundwater will need to be purged from the well prior to collecting the samples, use the following equation:**

Well Volume = (h)(cf)

where:

h = height of water column (feet)
cf = gallons/foot based on well diameter shown below

The gallons/foot for common size monitoring wells are as follows:

| Well Diameter (inches) | 2" | 3" | 4" | 6" |
|---|---|---|---|---|
| Volume (gallons/foot) | 0.1632 | 0.3672 | 0.6528 | 1.4688 |

**The well volume is typically tripled to determine the volume to be purged.**

Show purge volume calculation below:

h = Total Well Depth - Depth To Water = _____ - _____ =

Well Volume = (h)(cf) = ( 13.78 )(0.1632) = 2.24

Total Purge Volume = 3(Well Volume) = 6.75

# MONITORING WELL DATA FORM

**WELL ID:** MW-4

**Location:** Barelas Bridge
**Project:** 1st Qtr GW Monitoring
**Sampling Technician:** R. Garcia

**Project No.:** 22104-0002
**Date:** 4/10/2023
**Start/End Time:** 12:15
**Air Temp:** 70°

**Purge Device:** Bailer
**Total Well Depth (ft):** 7.45'

**Well Diameter (in):** 2"
**Water Column (ft):**

**Initial D.T.W. (ft):** _____ **Time:** _____ *(taken at initial gauging of all wells)*

**Final D.T.W. (ft):** _____ **Time:** _____ *(taken after sample collection)*

**If NAPL Present:** D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

## Water Quality Parameters - Recorded During Well Purging

| Time | Static Water Level | Temp (deg C) | Conductivity (µS/cm) | DO (mg/L) | pH s.u. | ORP (mV) | Purged Volume (see reverse for calc.) | Observations (sheen, odor, organic etc.) |
|---|---|---|---|---|---|---|---|---|
| *Stabilzation Parameters* | | *2°C* | *3%* | *10%* | *1 s.u.* | *10 mV* | | |
| *See reverse for notes on purging and stabilization procedures* | | | | | | | | |
| | | | | | | | | Well is Dry (no water) |
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**Disposal of Purged Water:** Evaporation ☐ Containerized ☐

**Collected Samples Stored on Ice in Cooler:** Yes ☐ No ☐

**Chain of Custody Record Complete:** Yes ☐ No ☐

**Analytical Laboratory:** _____

**Equipment Used During Sampling:** _____

**Notes/Comments** ***(use this area to document well condition and/or other site maitenance issues):***

**Water quality parameters are consider stable when two (2) consecutive measurements meet the following: temperature is within 2°C; pH is within one (1) standard unit; specific conductance/conductivity is within 3%; dissolved oxygen (DO) is within 10%; and oxidation reduction potential (ORP) is within 10 mV.**

**The parameters should be recorded approximately every well volume when using a bailer and every 2 minutes when using a pump.**

---

**If it is necessary to calculate the volume of the monitoring well to determine what volume of groundwater will need to be purged from the well prior to collecting the samples, use the following equation:**

Well Volume = (h)(cf)

where:

h = height of water column (feet)
cf = gallons/foot based on well diameter shown below

The gallons/foot for common size monitoring wells are as follows:

| Well Diameter (inches) | 2" | 3" | 4" | 6" |
|---|---|---|---|---|
| Volume (gallons/foot) | 0.1632 | 0.3672 | 0.6528 | 1.4688 |

**The well volume is typically tripled to determine the volume to be purged.**

Show purge volume calculation below:

h = Total Well Depth - Depth To Water = _____ - _____ =

Well Volume = (h)(cf) = (  )(0.1632) =

Total Purge Volume = 3(Well Volume) = _____

# MONITORING WELL DATA FORM

**WELL ID:** VP-2

**Location:** Barelas Bridge
**Project:** 1st Qtr GW Monitoring
**Sampling Technician:** T. Garcia

**Project No.:** 22104-0002
**Date:** 4/10/2023
**Start/End Time:** 12:25
**Air Temp:** 72°

**Purge Device:** Bailer
**Well Diameter (in):** 2"
**Total Well Depth (ft):** 12.55
**Water Column (ft):** 4.6'

**Initial D.T.W. (ft):** 7.95 **Time:** 12:25 *(taken at initial gauging of all wells)*
**Final D.T.W. (ft):** 8.0 **Time:** 12:45 *(taken after sample collection)*
**If NAPL Present:** D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

## Water Quality Parameters - Recorded During Well Purging

| Time | Static Water Level | Temp (deg C) | Conductivity (µS/cm) | DO (mg/L) | pH s.u. | ORP (mV) | Purged Volume (see reverse for calc.) | Observations (sheen, odor, organic etc.) |
|---|---|---|---|---|---|---|---|---|
| *Stabilzation Parameters* | | *2°C* | *3%* | *10%* | *1 s.u.* | *10 mV* | | |
| *See reverse for notes on purging and stabilization procedures* | | | | | | | | |
| 12:35 | 8.0' | 19.2 | 623 | 1.64 | 7.25 | -108.8 | 2.25 gal | Slightly murky / slight odor |
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**Disposal of Purged Water:** Evaporation ☐ Containerized ☐
**Collected Samples Stored on Ice in Cooler:** Yes ☐ No ☐
**Chain of Custody Record Complete:** Yes ☐ No ☐
**Analytical Laboratory:** _____
**Equipment Used During Sampling:** _____

**Notes/Comments** ***(use this area to document well condition and/or other site maitenance issues):***

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**Water quality parameters are consider stable when two (2) consecutive measurements meet the following: temperature is within 2°C; pH is within one (1) standard unit; specific conductance/conductivity is within 3%; dissolved oxygen (DO) is within 10%; and oxidation reduction potential (ORP) is within 10 mV.**

**The parameters should be recorded approximately every well volume when using a bailer and every 2 minutes when using a pump.**

---

**If it is necessary to calculate the volume of the monitoring well to determine what volume of groundwater will need to be purged from the well prior to collecting the samples, use the following equation:**

Well Volume = (h)(cf)

where:

h = height of water column (feet)
cf = gallons/foot based on well diameter shown below

The gallons/foot for common size monitoring wells are as follows:

| Well Diameter (inches) | 2" | 3" | 4" | 6" |
|---|---|---|---|---|
| Volume (gallons/foot) | 0.1632 | 0.3672 | 0.6528 | 1.4688 |

**The well volume is typically tripled to determine the volume to be purged.**

Show purge volume calculation below:

h = Total Well Depth - Depth To Water = 12.55 - 7.95 = 4.6

Well Volume = (h)(cf) = ( 4.6 )(0.1632) = .75

Total Purge Volume = 3(Well Volume) = 2.25

# MONITORING WELL DATA FORM

**WELL ID:** VP-5

**Location:** Barclas Bridge
**Project:** 1st Qtr GW Monitoring
**Sampling Technician:** R. Garcia

**Project No.:** 22104-0002
**Date:** 4/10/2023
**Start/End Time:** 13:03
**Air Temp:** 78°

**Purge Device:** Bailer
**Well Diameter (in):** 2'
**Total Well Depth (ft):** 12.1
**Water Column (ft):** 4.45

**Initial D.T.W. (ft):** 7.65' **Time:** 13:06 *(taken at initial gauging of all wells)*
**Final D.T.W. (ft):** 7.65 **Time:** 13:25 *(taken after sample collection)*
**If NAPL Present:** D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

## Water Quality Parameters - Recorded During Well Purging

| Time | Static Water Level | Temp (deg C) | Conductivity (µS/cm) | DO (mg/L) | pH s.u. | ORP (mV) | Purged Volume (see reverse for calc.) | Observations (sheen, odor, organic etc.) |
|---|---|---|---|---|---|---|---|---|
| *Stabilzation Parameters* | | *2°C* | *3%* | *10%* | *1 s.u.* | *10 mV* | | |
| *See reverse for notes on purging and stabilization procedures* | | | | | | | | |
| 13:19 | 7.65 | 17.7 | 771 | 1.14 | 7.11 | -168.4 | 2.18 gal | Slightly murky / Slight odor |
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**Disposal of Purged Water:** Evaporation ☐ Containerized ☐
**Collected Samples Stored on Ice in Cooler:** Yes ☐ No ☐
**Chain of Custody Record Complete:** Yes ☐ No ☐
**Analytical Laboratory:**
**Equipment Used During Sampling:**

**Notes/Comments** *(use this area to document well condition and/or other site maitenance issues):*

Well vault was full of water above top of monitor well casing had to bail out water to open well.

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**Water quality parameters are consider stable when two (2) consecutive measurements meet the following: temperature is within 2°C; pH is within one (1) standard unit; specific conductance/conductivity is within 3%; dissolved oxygen (DO) is within 10%; and oxidation reduction potential (ORP) is within 10 mV.**

**The parameters should be recorded approximately every well volume when using a bailer and every 2 minutes when using a pump.**

---

**If it is necessary to calculate the volume of the monitoring well to determine what volume of groundwater will need to be purged from the well prior to collecting the samples, use the following equation:**

Well Volume = (h)(cf)

where:

h = height of water column (feet)
cf = gallons/foot based on well diameter shown below

The gallons/foot for common size monitoring wells are as follows:

| Well Diameter (inches) | 2" | 3" | 4" | 6" |
|---|---|---|---|---|
| Volume (gallons/foot) | 0.1632 | 0.3672 | 0.6528 | 1.4688 |

**The well volume is typically tripled to determine the volume to be purged.**

Show purge volume calculation below:

h = Total Well Depth - Depth To Water = 12.1 - 7.65 =

Well Volume = (h)(cf) = ( ~~4.6~~ 4.45 gal )(0.1632) = ~~0.75 gal~~ .73

Total Purge Volume = 3(Well Volume) = ~~2.25 gal~~ 2.18

# MONITORING WELL DATA FORM

**WELL ID:** MW-8

**Location:** Barelas Bridge
**Project:** 1st Qtr GW Monitoring
**Sampling Technician:** E. Garcia

**Project No.:** 22104-0002
**Date:** 4/10/2023
**Start/End Time:** 13:44
**Air Temp:** 78°

**Purge Device:** Bailer
**Well Diameter (in):** 2"
**Total Well Depth (ft):** 13.02
**Water Column (ft):** 4.17'

**Initial D.T.W. (ft):** 8.85' **Time:** 13:44 *(taken at initial gauging of all wells)*
**Final D.T.W. (ft):** 8.85' **Time:** 14:02 *(taken after sample collection)*
**If NAPL Present:** D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

## Water Quality Parameters - Recorded During Well Purging

| Time | Static Water Level | Temp (deg C) | Conductivity (µS/cm) | DO (mg/L) | pH s.u. | ORP (mV) | Purged Volume (see reverse for calc.) | Observations (sheen, odor, organic etc.) |
|---|---|---|---|---|---|---|---|---|
| *Stabilization Parameters* | | *2°C* | *3%* | *10%* | *1 s.u.* | *10 mV* | | |
| *See reverse for notes on purging and stabilization procedures* | | | | | | | | |
| 13:56 | 8.85 | 16.6 | 617 | 1.62 | 7.56 | -245.7 | 2.04 | |
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**Disposal of Purged Water:** Evaporation ☐ Containerized ☐
**Collected Samples Stored on Ice in Cooler:** Yes ☐ No ☐
**Chain of Custody Record Complete:** Yes ☐ No ☐
**Analytical Laboratory:**
**Equipment Used During Sampling:**

**Notes/Comments** ***(use this area to document well condition and/or other site maitenance issues):***

**Water quality parameters are consider stable when two (2) consecutive measurements meet the following: temperature is within 2°C; pH is within one (1) standard unit; specific conductance/conductivity is within 3%; dissolved oxygen (DO) is within 10%; and oxidation reduction potential (ORP) is within 10 mV.**

**The parameters should be recorded approximately every well volume when using a bailer and every 2 minutes when using a pump.**

---

**If it is necessary to calculate the volume of the monitoring well to determine what volume of groundwater will need to be purged from the well prior to collecting the samples, use the following equation:**

Well Volume = (h)(cf)

where:

h = height of water column (feet)
cf = gallons/foot based on well diameter shown below

The gallons/foot for common size monitoring wells are as follows:

| Well Diameter (inches) | 2" | 3" | 4" | 6" |
|---|---|---|---|---|
| Volume (gallons/foot) | 0.1632 | 0.3672 | 0.6528 | 1.4688 |

**The well volume is typically tripled to determine the volume to be purged.**

Show purge volume calculation below:

h = Total Well Depth - Depth To Water = 13.02 - 8.85 = 4.17

Well Volume = (h)(cf) = ( 4.17 )(0.1632) = .68

Total Purge Volume = 3(Well Volume) = 2.04

# MONITORING WELL DATA FORM

**WELL ID:** MW-7

**Location:** Barelas Bridge
**Project:** 1st Qtr GW Monitoring
**Sampling Technician:** R. Garcia

**Project No.:** 22104-0002
**Date:** 4/10/2023
**Start/End Time:** 14:11
**Air Temp:** 78°

**Purge Device:** Bailer
**Total Well Depth (ft):** 21.3'

**Well Diameter (in):** 2"
**Water Column (ft):** 13.68

**Initial D.T.W. (ft):** 7.62 **Time:** 14:11 *(taken at initial gauging of all wells)*
**Final D.T.W. (ft):** 7.65 **Time:** 14:31 *(taken after sample collection)*
**If NAPL Present:** D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

## Water Quality Parameters - Recorded During Well Purging

| Time | Static Water Level | Temp (deg C) | Conductivity (µS/cm) | DO (mg/L) | pH s.u. | ORP (mV) | Purged Volume (see reverse for calc.) | Observations (sheen, odor, organic etc.) |
|---|---|---|---|---|---|---|---|---|
| *Stabilization Parameters* | | *2°C* | *3%* | *10%* | *1 s.u.* | *10 mV* | | |
| *See reverse for notes on purging and stabilization procedures* | | | | | | | | |
| 14:29 | 7.65 | 16.8 | 572 | 1.74 | 7.38 | -16.3 | 6.70 | Clear / no odor |
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**Disposal of Purged Water:** Evaporation ☐ Containerized ☐
**Collected Samples Stored on Ice in Cooler:** Yes ☐ No ☐
**Chain of Custody Record Complete:** Yes ☐ No ☐
**Analytical Laboratory:** _____
**Equipment Used During Sampling:** _____

**Notes/Comments** *(use this area to document well condition and/or other site maitenance issues):*

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**Water quality parameters are consider stable when two (2) consecutive measurements meet the following: temperature is within 2°C; pH is within one (1) standard unit; specific conductance/conductivity is within 3%; dissolved oxygen (DO) is within 10%; and oxidation reduction potential (ORP) is within 10 mV.**

**The parameters should be recorded approximately every well volume when using a bailer and every 2 minutes when using a pump.**

---

**If it is necessary to calculate the volume of the monitoring well to determine what volume of groundwater will need to be purged from the well prior to collecting the samples, use the following equation:**

Well Volume = (h)(cf)

where:

h = height of water column (feet)
cf = gallons/foot based on well diameter shown below

The gallons/foot for common size monitoring wells are as follows:

| Well Diameter (inches) | 2" | 3" | 4" | 6" |
|---|---|---|---|---|
| Volume (gallons/foot) | 0.1632 | 0.3672 | 0.6528 | 1.4688 |

**The well volume is typically tripled to determine the volume to be purged.**

Show purge volume calculation below:

h = Total Well Depth - Depth To Water = 21.3 - 7.62 =

Well Volume = (h)(cf) = ( 13.68 )(0.1632) = 2.23

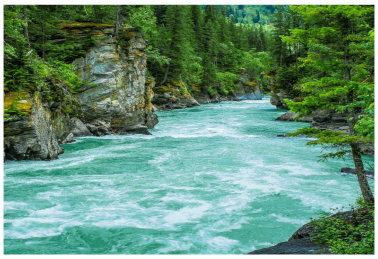
Total Purge Volume = 3(Well Volume) = 6.70

# Appendix B

## Laboratory Analytical Results

Report to:

Greg Crabtree



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

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## Analytical Report

NMED

| | |
|---|---|
| Project Name: | BARELAS BRIDGE |
| Work Order: | E304036 |
| Job Number: | 22104-0002 |
| Received: | 4/11/2023 |

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/18/23

Date Reported: 4/18/23

Greg Crabtree
3400 2nd Street NW
Albuquerque, NM -

Project Name: BARELAS BRIDGE
Workorder: E304036
Date Received: 4/11/2023 7:15:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/11/2023 7:15:00AM, under the Project Name: BARELAS BRIDGE.

The analytical test results summarized in this report with the Project Name: BARELAS BRIDGE apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
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**Rayny Hagan**
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | **Reported:** |
| 3400 2nd Street NW | Project Number: | 22104-0002 | |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 04/18/23 14:19 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| VP-2 | E304036-01A | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-01B | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-01C | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-01D | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-01E | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| VP-5 | E304036-02A | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-02B | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-02C | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-02D | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-02E | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| MW-7 | E304036-03A | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-03B | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-03C | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-03D | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-03E | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| MW-8 | E304036-04A | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-04B | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-04C | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-04D | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-04E | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| MW-9 | E304036-05A | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-05B | Aqueous | 04/10/23 | 04/11/23 | Poly 500mL |
| | E304036-05C | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-05D | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-05E | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| Trip Blank | E304036-06A | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |
| | E304036-06B | Aqueous | 04/10/23 | 04/11/23 | VOA Vial, 40mL; HCl |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**VP-2**

**E304036-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| Acetone | ND | 40.0 | 1 | 04/17/23 | 04/17/23 | |
| Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromodichloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromoform | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromomethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Butyl Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| sec-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Carbon Tetrachloride | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroform | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloromethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromoethane (EDB) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromomethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Diisopropyl Ether (DIPE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Hexachlorobutadiene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Hexanone | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Isopropylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Isopropyltoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Butanone (MEK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methylene Chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**VP-2**

**E304036-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| 1-Methylnaphthalene | ND | 10.0 | 1 | 04/17/23 | 04/17/23 | |
| 2-Methylnaphthalene | ND | 10.0 | 1 | 04/17/23 | 04/17/23 | |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Naphthalene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Propyl Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Styrene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Tetrachloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichloropropane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trimethylbenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Toluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Vinyl chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| o-Xylene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| p,m-Xylene | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Total Xylenes | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| *Surrogate: Bromofluorobenzene* | | *94.9 %* | *70-130* | *04/17/23* | *04/17/23* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.0 %* | *70-130* | *04/17/23* | *04/17/23* | |
| *Surrogate: Toluene-d8* | | *101 %* | *70-130* | *04/17/23* | *04/17/23* | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**VP-2**

**E304036-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Wet Chem/Gravimetric by SM2540C** | mg/L | mg/L | Analyst: KF | | | Batch: 2315009 |
| Total Dissolved Solids | **140** | 10.0 | 1 | 04/11/23 | 04/12/23 | |
| **Anions by EPA 300.0/9056A** | mg/L | mg/L | Analyst: BA | | | Batch: 2315029 |
| Nitrate-N | ND | 0.250 | 1 | 04/11/23 10:00 | 04/11/23 15:28 | |
| Sulfate | **81.2** | 2.00 | 1 | 04/11/23 | 04/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## VP-5

**E304036-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| Acetone | ND | 40.0 | 1 | 04/18/23 | 04/18/23 | |
| Benzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Bromobenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Bromochloromethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Bromodichloromethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Bromoform | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Bromomethane | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| n-Butyl Benzene | **10.1** | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| sec-Butylbenzene | **6.30** | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| tert-Butylbenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Carbon Tetrachloride | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Chlorobenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Chloroethane | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| Chloroform | **7.25** | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| Chloromethane | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| 2-Chlorotoluene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 4-Chlorotoluene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Dibromochloromethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2-Dibromoethane (EDB) | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| Dibromomethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1-Dichloroethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2-Dichloroethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1-Dichloroethene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| trans-1,2-Dichloroethene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2-Dichloropropane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,3-Dichloropropane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 2,2-Dichloropropane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1-Dichloropropene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| trans-1,3-Dichloropropene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Diisopropyl Ether (DIPE) | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Ethylbenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Hexachlorobutadiene | ND | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| 2-Hexanone | ND | 20.0 | 1 | 04/18/23 | 04/18/23 | |
| Isopropylbenzene | **11.2** | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 4-Isopropyltoluene | **1.13** | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 2-Butanone (MEK) | ND | 20.0 | 1 | 04/18/23 | 04/18/23 | |
| Methylene Chloride | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| 1-Methylnaphthalene | **45.1** | 10.0 | 1 | 04/18/23 | 04/18/23 | |
| 2-Methylnaphthalene | **74.9** | 10.0 | 1 | 04/18/23 | 04/18/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## VP-5

**E304036-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 1 | 04/18/23 | 04/18/23 | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Naphthalene | ND | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| n-Propyl Benzene | **36.2** | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Styrene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Tetrachloroethene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2,3-Trichlorobenzene | ND | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2,4-Trichlorobenzene | ND | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1,1-Trichloroethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,1,2-Trichloroethane | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Trichloroethene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2,3-Trichloropropane | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,2,4-Trimethylbenzene | ND | 5.00 | 1 | 04/18/23 | 04/18/23 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Toluene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| Vinyl chloride | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| o-Xylene | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| p,m-Xylene | ND | 2.00 | 1 | 04/18/23 | 04/18/23 | |
| Total Xylenes | ND | 1.00 | 1 | 04/18/23 | 04/18/23 | |
| *Surrogate: Bromofluorobenzene* | *95.5 %* | *70-130* | | *04/18/23* | *04/18/23* | |
| *Surrogate: 1,2-Dichloroethane-d4* | *101 %* | *70-130* | | *04/18/23* | *04/18/23* | |
| *Surrogate: Toluene-d8* | *102 %* | *70-130* | | *04/18/23* | *04/18/23* | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**VP-5**

**E304036-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/L | mg/L | Analyst: BA | | | Batch: 2315029 |
| Nitrate-N | ND | 0.250 | 1 | 04/11/23 10:00 | 04/11/23 15:51 | |
| Sulfate | **33.1** | 2.00 | 1 | 04/11/23 | 04/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**MW-7**

**E304036-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| Acetone | ND | 40.0 | 1 | 04/17/23 | 04/17/23 | |
| Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromodichloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromoform | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromomethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Butyl Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| sec-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Carbon Tetrachloride | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroform | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloromethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromoethane (EDB) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromomethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Diisopropyl Ether (DIPE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Hexachlorobutadiene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Hexanone | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Isopropylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Isopropyltoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Butanone (MEK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methylene Chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1-Methylnaphthalene | ND | 10.0 | 1 | 04/17/23 | 04/17/23 | |
| 2-Methylnaphthalene | ND | 10.0 | 1 | 04/17/23 | 04/17/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**MW-7**

**E304036-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Naphthalene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Propyl Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Styrene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Tetrachloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichloropropane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trimethylbenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Toluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Vinyl chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| o-Xylene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| p,m-Xylene | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Total Xylenes | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| *Surrogate: Bromofluorobenzene* | | *90.5 %* | *70-130* | *04/17/23* | *04/17/23* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *94.4 %* | *70-130* | *04/17/23* | *04/17/23* | |
| *Surrogate: Toluene-d8* | | *105 %* | *70-130* | *04/17/23* | *04/17/23* | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**MW-7**

**E304036-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/L | mg/L | Analyst: BA | | | Batch: 2315029 |
| Nitrate-N | ND | 0.250 | 1 | 04/11/23 10:00 | 04/11/23 16:13 | |
| Sulfate | **50.4** | 2.00 | 1 | 04/11/23 | 04/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## MW-8

**E304036-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| Acetone | ND | 40.0 | 1 | 04/17/23 | 04/17/23 | |
| Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromodichloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromoform | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromomethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Butyl Benzene | **4.58** | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| sec-Butylbenzene | **2.73** | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Carbon Tetrachloride | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroform | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloromethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromoethane (EDB) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromomethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Diisopropyl Ether (DIPE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethylbenzene | **9.56** | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Hexachlorobutadiene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Hexanone | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Isopropylbenzene | **11.4** | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Isopropyltoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Butanone (MEK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methylene Chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1-Methylnaphthalene | **11.6** | 10.0 | 1 | 04/17/23 | 04/17/23 | |
| 2-Methylnaphthalene | **15.3** | 10.0 | 1 | 04/17/23 | 04/17/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## MW-8

**E304036-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Naphthalene | **18.8** | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Propyl Benzene | **19.2** | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Styrene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Tetrachloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichloropropane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trimethylbenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Toluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Vinyl chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| o-Xylene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| p,m-Xylene | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Total Xylenes | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| *Surrogate: Bromofluorobenzene* | *101 %* | *70-130* | | *04/17/23* | *04/17/23* | |
| *Surrogate: 1,2-Dichloroethane-d4* | *92.3 %* | *70-130* | | *04/17/23* | *04/17/23* | |
| *Surrogate: Toluene-d8* | *106 %* | *70-130* | | *04/17/23* | *04/17/23* | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## MW-8

**E304036-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/L | mg/L | Analyst: BA | | | Batch: 2315029 |
| Nitrate-N | ND | 0.250 | 1 | 04/11/23 10:00 | 04/11/23 16:36 | |
| Sulfate | **17.7** | 2.00 | 1 | 04/11/23 | 04/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**MW-9**

**E304036-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| Acetone | ND | 40.0 | 1 | 04/17/23 | 04/17/23 | |
| Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromodichloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromoform | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Bromomethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Butyl Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| sec-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Butylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Carbon Tetrachloride | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloroform | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| Chloromethane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Chlorotoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromochloromethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dibromoethane (EDB) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Dibromomethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,2-Dichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2,2-Dichloropropane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| trans-1,3-Dichloropropene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Diisopropyl Ether (DIPE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Hexachlorobutadiene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Hexanone | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Isopropylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 4-Isopropyltoluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 2-Butanone (MEK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methylene Chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1-Methylnaphthalene | ND | 10.0 | 1 | 04/17/23 | 04/17/23 | |
| 2-Methylnaphthalene | ND | 10.0 | 1 | 04/17/23 | 04/17/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**MW-9**

**E304036-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 1 | 04/17/23 | 04/17/23 | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Naphthalene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| n-Propyl Benzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Styrene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Tetrachloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trichlorobenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,1-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,1,2-Trichloroethane | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichloroethene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,3-Trichloropropane | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,2,4-Trimethylbenzene | ND | 5.00 | 1 | 04/17/23 | 04/17/23 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Toluene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| Vinyl chloride | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| o-Xylene | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| p,m-Xylene | ND | 2.00 | 1 | 04/17/23 | 04/17/23 | |
| Total Xylenes | ND | 1.00 | 1 | 04/17/23 | 04/17/23 | |
| *Surrogate: Bromofluorobenzene* | | *89.2 %* | *70-130* | *04/17/23* | *04/17/23* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *95.1 %* | *70-130* | *04/17/23* | *04/17/23* | |
| *Surrogate: Toluene-d8* | | *102 %* | *70-130* | *04/17/23* | *04/17/23* | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

**MW-9**

**E304036-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Anions by EPA 300.0/9056A** | mg/L | mg/L | Analyst: BA | | | Batch: 2315029 |
| Nitrate-N | ND | 0.250 | 1 | 04/11/23 10:00 | 04/11/23 16:58 | |
| Sulfate | **56.4** | 2.00 | 1 | 04/11/23 | 04/11/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Trip Blank

**E304036-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| Acetone | ND | 40.0 | 1 | 04/14/23 | 04/14/23 | |
| Benzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Bromobenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Bromochloromethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Bromodichloromethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Bromoform | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Bromomethane | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| n-Butyl Benzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| sec-Butylbenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| tert-Butylbenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Carbon Tetrachloride | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Chlorobenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Chloroethane | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| Chloroform | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| Chloromethane | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| 2-Chlorotoluene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 4-Chlorotoluene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Dibromochloromethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2-Dibromoethane (EDB) | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| Dibromomethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1-Dichloroethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2-Dichloroethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1-Dichloroethene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| trans-1,2-Dichloroethene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2-Dichloropropane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,3-Dichloropropane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 2,2-Dichloropropane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1-Dichloropropene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| trans-1,3-Dichloropropene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Diisopropyl Ether (DIPE) | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Ethylbenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Hexachlorobutadiene | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| 2-Hexanone | ND | 20.0 | 1 | 04/14/23 | 04/14/23 | |
| Isopropylbenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 4-Isopropyltoluene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 2-Butanone (MEK) | ND | 20.0 | 1 | 04/14/23 | 04/14/23 | |
| Methylene Chloride | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| 1-Methylnaphthalene | ND | 10.0 | 1 | 04/14/23 | 04/14/23 | |
| 2-Methylnaphthalene | ND | 10.0 | 1 | 04/14/23 | 04/14/23 | |

# Sample Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Trip Blank

**E304036-06**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | ug/L | ug/L | Analyst: IY | | | Batch: 2315085 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 | 1 | 04/14/23 | 04/14/23 | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Naphthalene | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| n-Propyl Benzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Styrene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Tetrachloroethene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2,3-Trichlorobenzene | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2,4-Trichlorobenzene | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1,1-Trichloroethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,1,2-Trichloroethane | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Trichloroethene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2,3-Trichloropropane | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,2,4-Trimethylbenzene | ND | 5.00 | 1 | 04/14/23 | 04/14/23 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Toluene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| Vinyl chloride | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| o-Xylene | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| p,m-Xylene | ND | 2.00 | 1 | 04/14/23 | 04/14/23 | |
| Total Xylenes | ND | 1.00 | 1 | 04/14/23 | 04/14/23 | |
| *Surrogate: Bromofluorobenzene* | | *88.5 %* | *70-130* | *04/14/23* | *04/14/23* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.8 %* | *70-130* | *04/14/23* | *04/14/23* | |
| *Surrogate: Toluene-d8* | | *102 %* | *70-130* | *04/14/23* | *04/14/23* | |

# QC Summary Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | **Reported:** |
| 3400 2nd Street NW | Project Number: | 22104-0002 | |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | ug/L | ug/L | ug/L | ug/L | % | % | % | % | |

**Blank (2315085-BLK1)** Prepared: 04/14/23 Analyzed: 04/14/23

| | | |
|---|---|---|
| Acetone | ND | 40.0 |
| Benzene | ND | 1.00 |
| Bromobenzene | ND | 1.00 |
| Bromochloromethane | ND | 1.00 |
| Bromodichloromethane | ND | 1.00 |
| Bromoform | ND | 1.00 |
| Bromomethane | ND | 2.00 |
| n-Butyl Benzene | ND | 1.00 |
| sec-Butylbenzene | ND | 1.00 |
| tert-Butylbenzene | ND | 1.00 |
| Carbon Tetrachloride | ND | 1.00 |
| Chlorobenzene | ND | 1.00 |
| Chloroethane | ND | 2.00 |
| Chloroform | ND | 5.00 |
| Chloromethane | ND | 2.00 |
| 2-Chlorotoluene | ND | 1.00 |
| 4-Chlorotoluene | ND | 1.00 |
| Dibromochloromethane | ND | 1.00 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 5.00 |
| 1,2-Dibromoethane (EDB) | ND | 2.00 |
| Dibromomethane | ND | 1.00 |
| 1,2-Dichlorobenzene | ND | 1.00 |
| 1,3-Dichlorobenzene | ND | 1.00 |
| 1,4-Dichlorobenzene | ND | 1.00 |
| Dichlorodifluoromethane (Freon-12) | ND | 2.00 |
| 1,1-Dichloroethane | ND | 1.00 |
| 1,2-Dichloroethane | ND | 1.00 |
| 1,1-Dichloroethene | ND | 1.00 |
| cis-1,2-Dichloroethene | ND | 1.00 |
| trans-1,2-Dichloroethene | ND | 1.00 |
| 1,2-Dichloropropane | ND | 1.00 |
| 1,3-Dichloropropane | ND | 1.00 |
| 2,2-Dichloropropane | ND | 1.00 |
| 1,1-Dichloropropene | ND | 1.00 |
| cis-1,3-Dichloropropene | ND | 1.00 |
| trans-1,3-Dichloropropene | ND | 1.00 |
| Diisopropyl Ether (DIPE) | ND | 1.00 |
| Ethylbenzene | ND | 1.00 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.00 |
| Hexachlorobutadiene | ND | 5.00 |
| 2-Hexanone | ND | 20.0 |
| Isopropylbenzene | ND | 1.00 |
| 4-Isopropyltoluene | ND | 1.00 |
| 2-Butanone (MEK) | ND | 20.0 |
| Methylene Chloride | ND | 2.00 |
| 1-Methylnaphthalene | ND | 10.0 |
| 2-Methylnaphthalene | ND | 10.0 |
| 4-Methyl-2-pentanone (MIBK) | ND | 20.0 |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.00 |
| Naphthalene | ND | 5.00 |
| n-Propyl Benzene | ND | 1.00 |
| Styrene | ND | 1.00 |
| tert-Amyl Methyl ether (TAME) | ND | 1.00 |
| 1,1,1,2-Tetrachloroethane | ND | 1.00 |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 |
| Tetrachloroethene | ND | 1.00 |
| 1,2,3-Trichlorobenzene | ND | 5.00 |
| 1,2,4-Trichlorobenzene | ND | 5.00 |
| 1,1,1-Trichloroethane | ND | 1.00 |
| 1,1,2-Trichloroethane | ND | 1.00 |
| Trichloroethene | ND | 1.00 |
| Trichlorofluoromethane (Freon-11) | ND | 2.00 |
| 1,2,3-Trichloropropane | ND | 2.00 |
| 1,2,4-Trimethylbenzene | ND | 5.00 |

# QC Summary Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | **Reported:** |
| 3400 2nd Street NW | Project Number: | 22104-0002 | |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | ug/L | ug/L | ug/L | ug/L | % | % | % | % | |
| **Blank (2315085-BLK1)** | | | | | | | | | Prepared: 04/14/23 Analyzed: 04/14/23 |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | | | | | | |
| Toluene | ND | 1.00 | | | | | | | |
| Vinyl chloride | ND | 2.00 | | | | | | | |
| o-Xylene | ND | 1.00 | | | | | | | |
| p,m-Xylene | ND | 2.00 | | | | | | | |
| Total Xylenes | ND | 1.00 | | | | | | | |
| *Surrogate: Bromofluorobenzene* | *9.31* | | *10.0* | | *93.1* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *9.78* | | *10.0* | | *97.8* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *10.2* | | *10.0* | | *102* | *70-130* | | | |
| **LCS (2315085-BS1)** | | | | | | | | | Prepared: 04/14/23 Analyzed: 04/14/23 |
| Acetone | 70.1 | 40.0 | 100 | | 70.1 | 20-185 | | | |
| Benzene | 48.0 | 1.00 | 50.0 | | 96.0 | 70-130 | | | |
| Bromoform | 36.3 | 1.00 | 50.0 | | 72.6 | 70-131 | | | |
| Bromomethane | 54.9 | 2.00 | 50.0 | | 110 | 22-187 | | | |
| sec-Butylbenzene | 36.8 | 1.00 | 50.0 | | 73.7 | 70-130 | | | |
| Carbon Tetrachloride | 46.9 | 1.00 | 50.0 | | 93.8 | 70-130 | | | |
| Chlorobenzene | 47.5 | 1.00 | 50.0 | | 95.1 | 70-130 | | | |
| 2-Chlorotoluene | 44.9 | 1.00 | 50.0 | | 89.8 | 70-130 | | | |
| Dibromochloromethane | 40.5 | 1.00 | 50.0 | | 81.1 | 70-130 | | | |
| 1,2-Dichlorobenzene | 46.3 | 1.00 | 50.0 | | 92.6 | 70-130 | | | |
| Dichlorodifluoromethane (Freon-12) | 107 | 2.00 | 50.0 | | 215 | 50-180 | | | L2 |
| 1,1-Dichloroethane | 49.6 | 1.00 | 50.0 | | 99.2 | 70-130 | | | |
| 1,1-Dichloroethene | 48.7 | 1.00 | 50.0 | | 97.5 | 80-120 | | | |
| 2,2-Dichloropropane | 57.0 | 1.00 | 50.0 | | 114 | 50-160 | | | |
| cis-1,3-Dichloropropene | 45.7 | 1.00 | 50.0 | | 91.3 | 70-130 | | | |
| Ethylbenzene | 44.7 | 1.00 | 50.0 | | 89.4 | 80-120 | | | |
| Isopropylbenzene | 39.6 | 1.00 | 50.0 | | 79.2 | 70-130 | | | |
| Methyl tert-Butyl Ether (MTBE) | 90.1 | 1.00 | 100 | | 90.0 | 70-130 | | | |
| Naphthalene | 43.4 | 5.00 | 50.0 | | 86.7 | 70-140 | | | |
| tert-Amyl Methyl ether (TAME) | 41.6 | 1.00 | 50.0 | | 83.1 | 70-130 | | | |
| Trichloroethene | 42.9 | 1.00 | 50.0 | | 85.8 | 70-130 | | | |
| Toluene | 44.3 | 1.00 | 50.0 | | 88.6 | 80-120 | | | |
| o-Xylene | 44.0 | 1.00 | 50.0 | | 87.9 | 70-130 | | | |
| p,m-Xylene | 88.5 | 2.00 | 100 | | 88.4 | 70-130 | | | |
| Total Xylenes | 132 | 1.00 | 150 | | 88.3 | 70-130 | | | |
| *Surrogate: Bromofluorobenzene* | *9.88* | | *10.0* | | *98.8* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *10.7* | | *10.0* | | *107* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *10.3* | | *10.0* | | *103* | *70-130* | | | |
| **Matrix Spike (2315085-MS1)** | | | | **Source: E304069-01** | | | | | Prepared: 04/17/23 Analyzed: 04/17/23 |
| Acetone | 369 | 200 | 500 | ND | 73.8 | 10-190 | | | |
| Benzene | 244 | 5.00 | 250 | ND | 97.6 | 59-133 | | | |
| Bromoform | 208 | 5.00 | 250 | ND | 83.1 | 66-140 | | | |
| Bromomethane | 302 | 10.0 | 250 | ND | 121 | 17-190 | | | |
| sec-Butylbenzene | 222 | 5.00 | 250 | ND | 88.6 | 66-139 | | | |
| Carbon Tetrachloride | 236 | 5.00 | 250 | ND | 94.6 | 61-139 | | | |
| Chlorobenzene | 259 | 5.00 | 250 | ND | 104 | 70-130 | | | |
| 2-Chlorotoluene | 237 | 5.00 | 250 | ND | 95.0 | 67-134 | | | |
| Dibromochloromethane | 225 | 5.00 | 250 | ND | 90.0 | 70-132 | | | |
| 1,2-Dichlorobenzene | 234 | 5.00 | 250 | ND | 93.8 | 70-130 | | | |
| Dichlorodifluoromethane (Freon-12) | 534 | 10.0 | 250 | ND | 214 | 50-180 | | | M7 |
| 1,1-Dichloroethane | 252 | 5.00 | 250 | ND | 101 | 64-134 | | | |
| 1,1-Dichloroethene | 248 | 5.00 | 250 | ND | 99.3 | 49-144 | | | |
| 2,2-Dichloropropane | 287 | 5.00 | 250 | ND | 115 | 45-165 | | | |
| cis-1,3-Dichloropropene | 244 | 5.00 | 250 | ND | 97.5 | 70-130 | | | |
| Ethylbenzene | 237 | 5.00 | 250 | ND | 94.9 | 62-136 | | | |
| Isopropylbenzene | 213 | 5.00 | 250 | ND | 85.3 | 67-136 | | | |
| Methyl tert-Butyl Ether (MTBE) | 472 | 5.00 | 500 | ND | 94.3 | 61-136 | | | |
| Naphthalene | 223 | 25.0 | 250 | ND | 89.2 | 60-160 | | | |
| tert-Amyl Methyl ether (TAME) | 213 | 5.00 | 250 | ND | 85.0 | 65-135 | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | **Reported:** |
| 3400 2nd Street NW | Project Number: | 22104-0002 | |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | ug/L | ug/L | ug/L | ug/L | % | % | % | % | |
| **Matrix Spike (2315085-MS1)** | | | | **Source: E304069-01** | | Prepared: 04/17/23 Analyzed: 04/17/23 | | | |
| Trichloroethene | 235 | 5.00 | 250 | ND | 94.0 | 49-148 | | | |
| Toluene | 240 | 5.00 | 250 | ND | 95.9 | 67-130 | | | |
| o-Xylene | 238 | 5.00 | 250 | ND | 95.4 | 70-130 | | | |
| p,m-Xylene | 480 | 10.0 | 500 | ND | 95.9 | 65-135 | | | |
| Total Xylenes | 718 | 5.00 | 750 | ND | 95.8 | 65-135 | | | |
| *Surrogate: Bromofluorobenzene* | *47.9* | | *50.0* | | *95.7* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.5* | | *50.0* | | *101* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *51.2* | | *50.0* | | *102* | *70-130* | | | |
| **Matrix Spike Dup (2315085-MSD1)** | | | | **Source: E304069-01** | | Prepared: 04/17/23 Analyzed: 04/17/23 | | | |
| Acetone | 366 | 200 | 500 | ND | 73.2 | 10-190 | 0.816 | 30 | |
| Benzene | 244 | 5.00 | 250 | ND | 97.7 | 59-133 | 0.102 | 20 | |
| Bromoform | 205 | 5.00 | 250 | ND | 82.1 | 66-140 | 1.21 | 20 | |
| Bromomethane | 294 | 10.0 | 250 | ND | 118 | 17-190 | 2.58 | 20 | |
| sec-Butylbenzene | 216 | 5.00 | 250 | ND | 86.5 | 66-139 | 2.42 | 20 | |
| Carbon Tetrachloride | 238 | 5.00 | 250 | ND | 95.1 | 61-139 | 0.506 | 20 | |
| Chlorobenzene | 257 | 5.00 | 250 | ND | 103 | 70-130 | 0.834 | 20 | |
| 2-Chlorotoluene | 230 | 5.00 | 250 | ND | 92.2 | 67-134 | 2.99 | 20 | |
| Dibromochloromethane | 224 | 5.00 | 250 | ND | 89.7 | 70-132 | 0.289 | 20 | |
| 1,2-Dichlorobenzene | 239 | 5.00 | 250 | ND | 95.7 | 70-130 | 2.05 | 20 | |
| Dichlorodifluoromethane (Freon-12) | 571 | 10.0 | 250 | ND | 228 | 50-180 | 6.70 | 20 | M7 |
| 1,1-Dichloroethane | 259 | 5.00 | 250 | ND | 103 | 64-134 | 2.45 | 20 | |
| 1,1-Dichloroethene | 255 | 5.00 | 250 | ND | 102 | 49-144 | 2.58 | 20 | |
| 2,2-Dichloropropane | 288 | 5.00 | 250 | ND | 115 | 45-165 | 0.279 | 20 | |
| cis-1,3-Dichloropropene | 246 | 5.00 | 250 | ND | 98.6 | 70-130 | 1.04 | 20 | |
| Ethylbenzene | 237 | 5.00 | 250 | ND | 94.6 | 62-136 | 0.295 | 20 | |
| Isopropylbenzene | 211 | 5.00 | 250 | ND | 84.3 | 67-136 | 1.11 | 20 | |
| Methyl tert-Butyl Ether (MTBE) | 481 | 5.00 | 500 | ND | 96.2 | 61-136 | 1.98 | 20 | |
| Naphthalene | 215 | 25.0 | 250 | ND | 85.9 | 60-160 | 3.79 | 20 | |
| tert-Amyl Methyl ether (TAME) | 212 | 5.00 | 250 | ND | 84.6 | 65-135 | 0.424 | 20 | |
| Trichloroethene | 238 | 5.00 | 250 | ND | 95.3 | 49-148 | 1.46 | 20 | |
| Toluene | 240 | 5.00 | 250 | ND | 95.8 | 67-130 | 0.0626 | 20 | |
| o-Xylene | 236 | 5.00 | 250 | ND | 94.4 | 70-130 | 0.990 | 20 | |
| p,m-Xylene | 474 | 10.0 | 500 | ND | 94.7 | 65-135 | 1.29 | 20 | |
| Total Xylenes | 710 | 5.00 | 750 | ND | 94.6 | 65-135 | 1.19 | 20 | |
| *Surrogate: Bromofluorobenzene* | *48.2* | | *50.0* | | *96.4* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *50.2* | | *50.0* | | *100* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *51.5* | | *50.0* | | *103* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | **Reported:** |
| 3400 2nd Street NW | Project Number: | 22104-0002 | |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Wet Chem/Gravimetric by SM2540C

Analyst: KF

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | % | % | % | % | |
| **Blank (2315009-BLK1)** | | | | | | | | | Prepared: 04/10/23 Analyzed: 04/11/23 |
| Total Dissolved Solids | ND | 10.0 | | | | | | | |
| **LCS (2315009-BS1)** | | | | | | | | | Prepared: 04/10/23 Analyzed: 04/11/23 |
| Total Dissolved Solids | 105 | 10.0 | 100 | | 105 | 55-134 | | | |
| **Duplicate (2315009-DUP1)** | | | | **Source: E304031-02** | | | | | Prepared: 04/10/23 Analyzed: 04/11/23 |
| Total Dissolved Solids | 147000 | 500 | | 153000 | | | 3.94 | 5 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | **Reported:** |
| 3400 2nd Street NW | Project Number: | 22104-0002 | |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 4/18/2023 2:19:46PM |

## Anions by EPA 300.0/9056A

Analyst: BA

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/L | mg/L | mg/L | mg/L | % | % | % | % | |
| **Blank (2315029-BLK1)** | | | | | | | | | Prepared: 04/11/23 Analyzed: 04/11/23 |
| Nitrate-N | ND | 0.250 | | | | | | | |
| Sulfate | ND | 2.00 | | | | | | | |
| **LCS (2315029-BS1)** | | | | | | | | | Prepared: 04/11/23 Analyzed: 04/11/23 |
| Nitrate-N | 2.56 | 0.250 | 2.50 | | 103 | 90-110 | | | |
| Sulfate | 25.2 | 2.00 | 25.0 | | 101 | 90-110 | | | |
| **LCS Dup (2315029-BSD1)** | | | | | | | | | Prepared: 04/11/23 Analyzed: 04/11/23 |
| Nitrate-N | 2.58 | 0.250 | 2.50 | | 103 | 90-110 | 0.777 | 20 | |
| Sulfate | 25.2 | 2.00 | 25.0 | | 101 | 90-110 | 0.161 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| NMED | Project Name: | BARELAS BRIDGE | |
| 3400 2nd Street NW | Project Number: | 22104-0002 | **Reported:** |
| Albuquerque NM, - | Project Manager: | Greg Crabtree | 04/18/23 14:19 |

| | |
|---|---|
| L2 | The LCS spike recovery was above acceptance limits. This analyte was not detected in the sample. |
| M7 | Matrix Spike was outside the acceptance limits. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

| | | |
|---|---|---|
| Client: NMED-PSTB<br>Project: BARELAS BRIDGE<br>Project Manager: Greg Crabtree<br>Address:<br>City, State, Zip<br>Phone:<br>Email:All Enviro<br>Report due by: | **Bill To**<br>Attention:<br>Address:<br>City, State, Zip<br>Phone:<br>Email: | Lab Use Only: Lab WO# E304036 / Job Number 22104-0002<br>TAT: 1D 2D 3D Standard: X<br>EPA Program: CWA / SDWA / RCRA: X<br>State: NM: X |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | VOC's By 8260 | Sulfate and Nitrate By 300.0 | Total Dissolved Solids | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 12:41 | 4/10/2023 | A | 5 | VP-2 | 1 | X | X | X | |
| 13:22 | 4/10/2023 | A | 5 | VP-5 | 2 | X | X | | |
| 14:33 | 4/10/2023 | A | 5 | MW-7 | 3 | X | X | | |
| 13:59 | 4/10/2023 | A | 5 | MW-8 | 4 | X | X | | |
| 11:59 | 4/10/2023 | A | 5 | MW-9 | 5 | X | X | | |
| 11:59 | 4/10/2023 | A | 1 | Trip Blank | 6 | X | X | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: ISAAC GARCIA

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 4/10/2023 | 18:21 | | 4/11/23 | 7:15 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

# Envirotech Analytical Laboratory

Printed: 4/11/2023 1:19:17PM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | NMED | Date Received: | 04/11/23 07:15 | Work Order ID: | E304036 |
| Phone: | (505) 372-8334 | Date Logged In: | 04/11/23 07:25 | Logged In By: | Alexa Michaels |
| Email: | gcrabtree@envirotech-inc.com | Due Date: | 04/18/23 17:00 (5 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: Isaac Garcia |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

| | | |
|---|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes | |

**Sample Cooler**

| | | |
|---|---|---|
| 7. Was a sample cooler received? | Yes | |
| 8. If yes, was cooler received in good condition? | Yes | |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes | |
| 10. Were custody/security seals present? | No | |
| 11. If yes, were custody/security seals intact? | NA | |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes | |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | | |

**Sample Container**

| | | |
|---|---|---|
| 14. Are aqueous VOC samples present? | Yes | |
| 15. Are VOC samples collected in VOA Vials? | Yes | |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | Yes | |
| 17. Was a trip blank (TB) included for VOC analyses? | Yes | |
| 18. Are non-VOC samples collected in the correct containers? | Yes | |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes | |

**Field Label**

| | | |
|---|---|---|
| 20. Were field sample labels filled out with the minimum information: | | |
| Sample ID? | Yes | |
| Date/Time Collected? | Yes | |
| Collectors name? | Yes | |

**Sample Preservation**

| | | |
|---|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | Yes | |
| 22. Are sample(s) correctly preserved? | Yes | |
| 24. Is lab filteration required and/or requested for dissolved metals? | No | |

**Multiphase Sample Matrix**

| | | |
|---|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA | |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: NA |

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.