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By PSTB at 8:50 am, Aug 01, 2023

July 31, 2023 Project #22104-0002

Mr. Corey Jarrett, Project Manager New
Mexico Environment Department
Petroleum Storage Tank Bureau
121 Tijeras Ave NE, Suite 1000 Phone: (505) 372-8335
Albuquerque, New Mexico 87102 Email: corey.jarrett@env.nm.gov

RE: 2023 SECOND 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 Second 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 June 29th, 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 $6,129.50

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 2nd Quarterly Groundwater Monitoring and Sampling Report



Barela's Bridge

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

July 31, 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.jarret@env.nm.gov
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2023 2ND 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

JULY 2023

2023 2ND 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 2nd 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. On April 10th Envirotech Inc Conducted the 1st quarterly Groundwater sampling and monitoring event for 2023.

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 2nd 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 (2.49 ft in elevation) could be the result of a potential water leak. 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-7 to 20°C in VP-5. SpC readings ranged from 436.9 milli siemens (µS) in MW-7 to 6373 (µS) in VP-5. DO readings ranged from 1.06 milligrams per liter (mg/L) in VP-5 to 2.09 mg/L in MW-8. PH readings ranged from 6.8 standard units in VP-5 to 7.58 standard units in MW-7. ORP readings ranged from -219.4 millivolts (mV) in MW-8 to 162.1 mV in VP-5. 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 well VP-5 at 165.8 (ug/l). All other wells resulted in total naphthalene being below standard 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 one well (VP-5). All other VOCs were below NMWQCC regulatory standards.

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 June 29th, 2023, five (5) of the six (6) groundwater monitor wells (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. Groundwater samples collected from monitor well VP-5 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
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Reviewed by:

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

Figures

Figure 1, Vicinity Map
Figure 2, Site Map
Figure 3, Potentiometric Map
Figure 4, Naphthalene Concentration Map

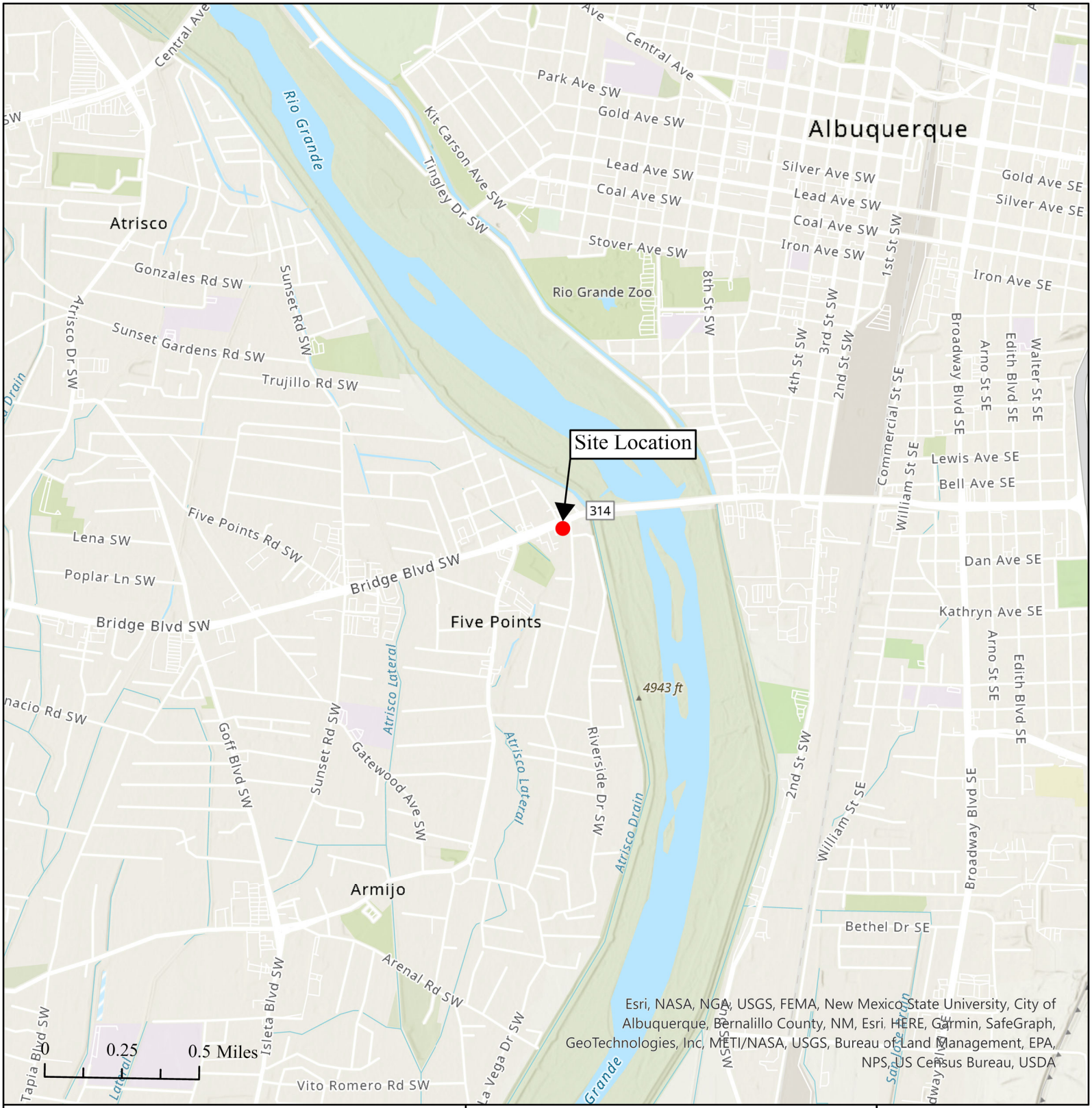

Figure 1, Vicinity Map

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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Drawn by: P. Mesa

N

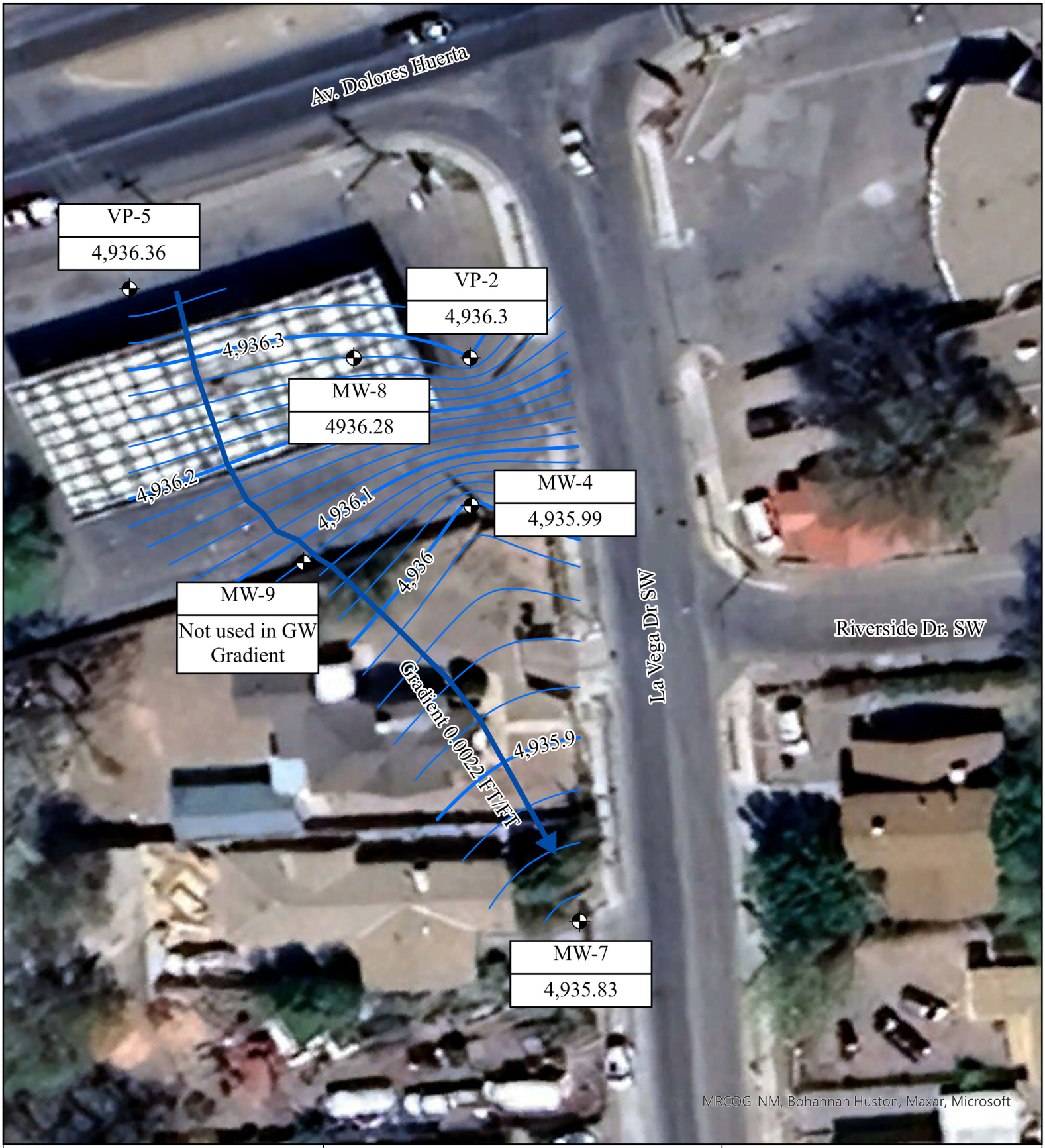

Figure 3, Potentiometric Map

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

Legend

- Monitoring Wells
- Groundwater Contours
- Hydraulic Gradient

N
W E
S

1:500

0 25.5 51 102 Feet

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Date Drawn: 06/30/2023
Drawn by: P. Mesa

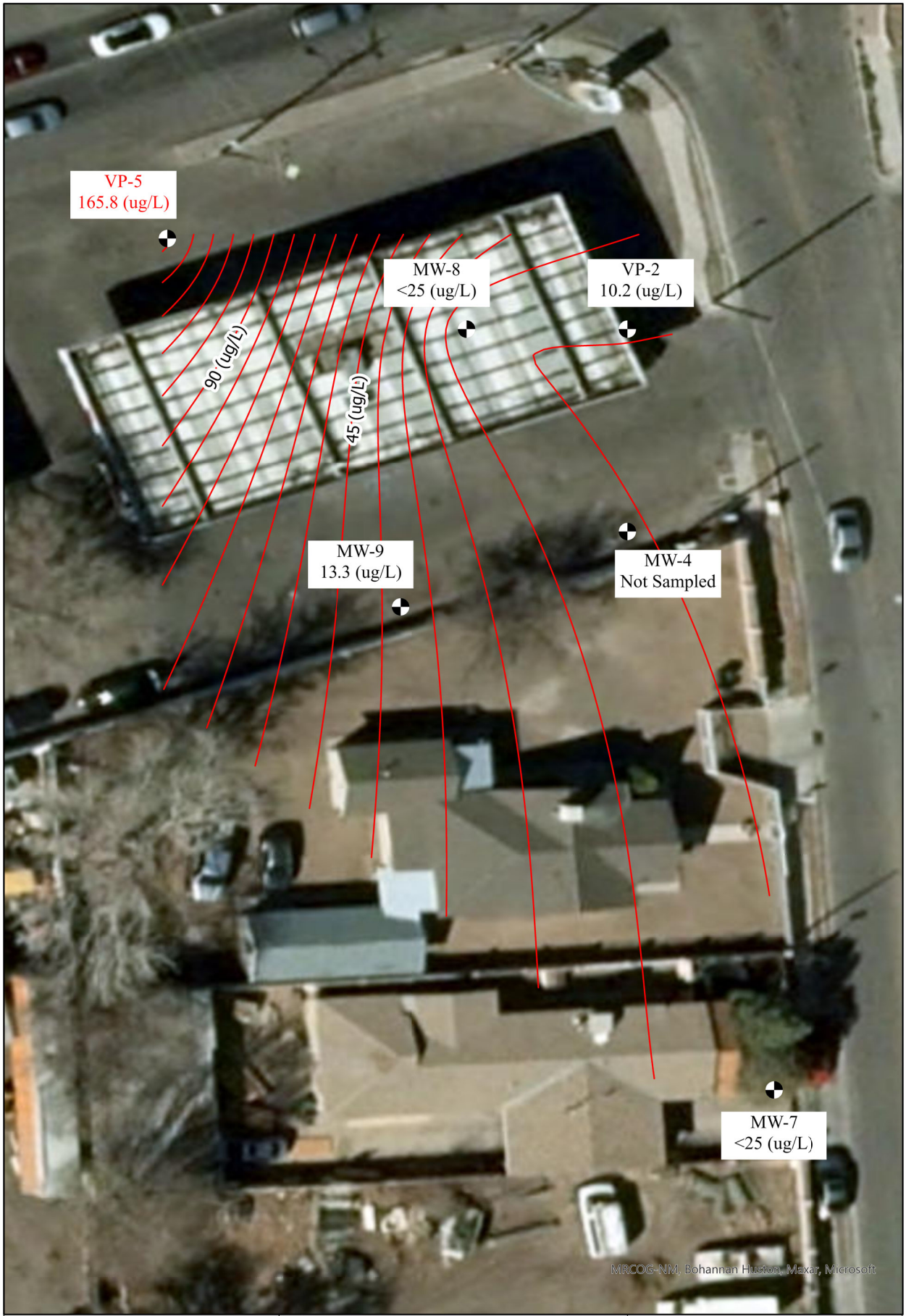

Figure #4 Naphthalene Concentration Map

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

Legend

Naphthalene Concentration

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: 07/11/2023
Drawn by: D. Aragon

Tables

Table 1, Groundwater Elevation

Table 2, Groundwater Analytical Results

Site Name:	Barelas Bridge
Facility#:	29854
Date:	6/29/2023
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	6/29/2023	4,943.23	Well Dry		
	4/10/2023		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	6/29/2023	4,942.94	7.11	4,935.83	0.51
	4/10/2023		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	6/29/2023	4,944.59	8.31	4,936.28	0.54
	4 /10/ 2023		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	6/29/2023	4,943.98	7.81	4,936.17	-2.49
	4/10/2023		5.32	4,938.66	3.14
	6/22/2021		8.46	4,935.52	-0.03
	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	6/29/2023	4,943.73	7.43	4,936.30	0.52
	4/10/2023		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	6/29/2023	4,943.52	7.16	4,936.36	0.49
	4/10/2023		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	

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	6/29/2023	NS-Well Dry													
	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	6/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<5.00	<10.0	<10.00	<25.00			
	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	6/29/2023	<1.00	<1.00	7.25	<1.00	<1.00	<2.00	<1.00	12.8	<10.0	11.6	24.4			
	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	6/29/2023	<1.00	<1.00	6.3	10.3	<1.00	<2.00	<1.00	13.3	<10.0	<10.0	13.3			
	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	6/29/2023	<1.00	<1.00	1.09	<1.00	<1.00	<2.00	<1.00	10.3	<10.0	<10.0	10.3			
	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	6/29/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<5.00	64.8	101	**165.8**			
	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

Appendix A

Field Notes

MONITORING WELL DATA FORM

WELL ID: MW-4

Location: Barela's Bridge

Project: UMED PStB

Sampling Technician: Mesa

Project No.: 22104-0002

Date: 6/29/23

Start/End Time: 9:30

Air Temp:

Purge Device: Bailer

Well Diameter (in): 2"

Total Well Depth (ft): 7.24

Water Column (ft): 0.21

Initial D.T.W. (ft): 7.03 Time: 9:31 *(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								

Could Not Sample

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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Practical Solutions for a Better Tomorrow

MONITORING WELL DATA FORM

WELL ID: MW-9

Location: Bacelas Bridge
Project: NMED PSTB
Sampling Technician: P Mesa

Project No.: 22104-0002
Date: 6/29/23
Start/End Time: 9:38
Air Temp:

Purge Device: Bailer
Well Diameter (in): 2
Total Well Depth (ft): 19.19
Water Column (ft): 11.38

Initial D.T.W. (ft): 7.81 **Time:** 9:40 *(taken at initial gauging of all wells)*
Final D.T.W. (ft): 8.25 **Time:** 10:01 *(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								
9:46		19.3	446.1	2.32	6.65	-85.5	1gal	Clear/Smell
9:50		18.3	459.4	2.91	6.89	-110.7	2gal	↓
9:53		17.4	457.5	2.30	7.06	-124.7	3gal	
9:55		17.1	461.5	1.99	7.16	-134.0	4gal	
9:58		17.2	462.3	1.91	7.12	-132.2	5gal	
10:00		16.8	462.9	1.49	7.31	-144.1	5.5 gal *	

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) = (11.38)(0.1632) = 1.857216

Total Purge Volume = 3(Well Volume) = 5.57

MONITORING WELL DATA FORM

WELL ID: VP-5

Location: Barelas Bridge

Project: NMED-PSTB

Sampling Technician: PMcG

Project No.: 22104-0002

Date: 6/22/23

Start/End Time: 10:10

Air Temp:

Purge Device: Bailer

Well Diameter (in): 2"

Total Well Depth (ft): 12.11

Water Column (ft): 4.95

Initial D.T.W. (ft): 7.16 **Time:** 10:12 *(taken at initial gauging of all wells)*

Final D.T.W. (ft): 7.85 **Time:** 10:30 *(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								
10:19		21	809	1.96	6.68	117.9	1 gal	
10:21		20	768	1.81	6.93	142.5	2 gal	
10:23		20	6373	1.06	6.8	162.1	2.5 gal	

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):***

MONITORING WELL DATA FORM

WELL ID: MW-8

Location: Barelas Bridge
Project: NMED-PSTB
Sampling Technician: Mesa

Project No.: 22104-0002
Date: 6/29/23
Start/End Time: 10:37
Air Temp:

Purge Device: Bailer
Total Well Depth (ft): 13.07

Well Diameter (in): 2"
Water Column (ft): 4.76

Initial D.T.W. (ft): 8.31 Time: 10:39 *(taken at initial gauging of all wells)*
Final D.T.W. (ft): 8.37 Time: 10:54 *(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								
10:45		18.3	550	3.27	7.27	-156.2	1gal	Bad odor
10:47		17	560	2.42	7.45	-201.3	2gal	↓
10:50		16.9	556	2.09	7.48	-219.4	2.5gal	↓

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)*:

MONITORING WELL DATA FORM

WELL ID: VP-2

Location: Baselas' Bridge
Project: NMCL PSTB
Sampling Technician: PMesa

Project No.: 22104-0002
Date: 6/29/23
Start/End Time: 11.00
Air Temp:

Purge Device: Bailer
Total Well Depth (ft): 12.55

Well Diameter (in): 2"
Water Column (ft): 5.12

Initial D.T.W. (ft): 7.43 **Time:** 11:03 *(taken at initial gauging of all wells)*
Final D.T.W. (ft): 7.56 **Time:** 11:20 *(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								
11:08		21.4	963.4	2.88	6.82	-76.1	1gal	Smell, murkey
11:11		18.9	498.7	2.300	7.1	-129.2	2gal	
11:13		18.7	520	1.85	211	-141.3	2.5 gal	A

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)*:

MONITORING WELL DATA FORM

WELL ID: MW-7

Location: Barelas Bridge

Project: NMED-PSTB

Sampling Technician: P [illegible]

Project No.: 22104-0002

Date: 6/29/23

Start/End Time: 11:30

Air Temp:

Purge Device: Bailer

Well Diameter (in): 2"

Total Well Depth (ft): 21.36

Water Column (ft): 14.25

Initial D.T.W. (ft): 7.11 **Time:** 11:32 *(taken at initial gauging of all wells)*

Final D.T.W. (ft): 7.41 **Time:** 12:00 *(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					
11:37		20.1	426.1	2.02	7.15	-63.6	1gal	Clear Smell
11:40		17.7	449.6	2.21	7.62	-99.3	2gal	
11:43		17.2	462.5	1.54	7.24	-111.9	3gal	
11:45		17.2	468.1	1.51	7.23	-116.9	4gal	
11:47		16.8	466.3	1.76	7.31	-119.1	5gal	
11:50		16.6	445.5	2.16	7.38	-115.8	6gal	
11:54		16.6	486.9	1.63	7.48	-122.9	7gal	[illegible]

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:

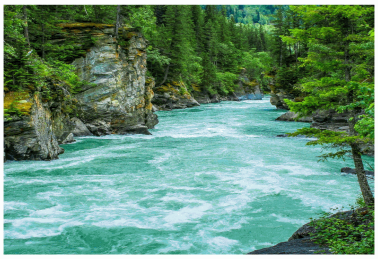
Notes/Comments *(use this area to document well condition and/or other site maitenance issues)*:

Appendix B

Laboratory Analytical Results

Report to:

Greg Crabtree



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NMED

Project Name:	BARELAS BRIDGE
Work Order:	E306241
Job Number:	22104-0002
Received:	6/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/10/23

Date Reported: 7/10/23

Greg Crabtree
3400 2nd Street NW
Albuquerque, NM -

Project Name: BARELAS BRIDGE
Workorder: E306241
Date Received: 6/29/2023 3:16:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/29/2023 3:16:00PM, 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

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Technical Representative
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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	07/10/23 14:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
MW-7	E306241-01A	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-01B	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-01C	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
MW-8	E306241-02A	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-02B	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-02C	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
MW-9	E306241-03A	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-03B	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-03C	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
VP-2	E306241-04A	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-04B	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-04C	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
VP-5	E306241-05A	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-05B	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
	E306241-05C	Aqueous	06/29/23	06/29/23	VOA Vial, 40mL; HCl
Trip Blank	E306241-06A	Aqueous	06/29/23	06/29/23	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	7/10/2023 2:52:18PM

MW-7

E306241-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
Acetone	ND	40.0	1	07/07/23	07/07/23	
Benzene	ND	1.00	1	07/07/23	07/07/23	
Bromobenzene	ND	1.00	1	07/07/23	07/07/23	
Bromochloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromodichloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromoform	ND	1.00	1	07/07/23	07/07/23	
Bromomethane	ND	2.00	1	07/07/23	07/07/23	
n-Butyl Benzene	ND	1.00	1	07/07/23	07/07/23	
sec-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
tert-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
Carbon Tetrachloride	ND	1.00	1	07/07/23	07/07/23	
Chlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Chloroethane	ND	2.00	1	07/07/23	07/07/23	
Chloroform	ND	5.00	1	07/07/23	07/07/23	
Chloromethane	ND	2.00	1	07/07/23	07/07/23	
2-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
4-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
Dibromochloromethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	1	07/07/23	07/07/23	
1,2-Dibromoethane (EDB)	ND	2.00	1	07/07/23	07/07/23	
Dibromomethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,4-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Dichlorodifluoromethane (Freon-12)	ND	2.00	1	07/07/23	07/07/23	
1,1-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
cis-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
trans-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
2,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
cis-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
trans-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
Diisopropyl Ether (DIPE)	ND	1.00	1	07/07/23	07/07/23	
Ethylbenzene	ND	1.00	1	07/07/23	07/07/23	
Ethyl tert-Butyl Ether (ETBE)	ND	1.00	1	07/07/23	07/07/23	
Hexachlorobutadiene	ND	5.00	1	07/07/23	07/07/23	
2-Hexanone	ND	20.0	1	07/07/23	07/07/23	
Isopropylbenzene	**1.48**	1.00	1	07/07/23	07/07/23	
4-Isopropyltoluene	ND	1.00	1	07/07/23	07/07/23	
2-Butanone (MEK)	ND	20.0	1	07/07/23	07/07/23	
Methylene Chloride	ND	2.00	1	07/07/23	07/07/23	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

MW-7

E306241-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
1-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	
2-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	
4-Methyl-2-pentanone (MIBK)	ND	20.0	1	07/07/23	07/07/23	
Methyl tert-Butyl Ether (MTBE)	ND	1.00	1	07/07/23	07/07/23	
Naphthalene	ND	5.00	1	07/07/23	07/07/23	
n-Propyl Benzene	**1.48**	1.00	1	07/07/23	07/07/23	
Styrene	ND	1.00	1	07/07/23	07/07/23	
tert-Amyl Methyl ether (TAME)	ND	1.00	1	07/07/23	07/07/23	
1,1,1,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
Tetrachloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2,3-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,2,4-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,1,1-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
Trichloroethene	ND	1.00	1	07/07/23	07/07/23	
Trichlorofluoromethane (Freon-11)	ND	2.00	1	07/07/23	07/07/23	
1,2,3-Trichloropropane	ND	2.00	1	07/07/23	07/07/23	
1,2,4-Trimethylbenzene	ND	5.00	1	07/07/23	07/07/23	
1,3,5-Trimethylbenzene	ND	1.00	1	07/07/23	07/07/23	
Toluene	ND	1.00	1	07/07/23	07/07/23	
Vinyl chloride	ND	2.00	1	07/07/23	07/07/23	
o-Xylene	ND	1.00	1	07/07/23	07/07/23	
p,m-Xylene	ND	2.00	1	07/07/23	07/07/23	
Total Xylenes	ND	1.00	1	07/07/23	07/07/23	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*07/07/23*	*07/07/23*	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

MW-8

E306241-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
Acetone	ND	40.0	1	07/07/23	07/07/23	
Benzene	ND	1.00	1	07/07/23	07/07/23	
Bromobenzene	ND	1.00	1	07/07/23	07/07/23	
Bromochloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromodichloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromoform	ND	1.00	1	07/07/23	07/07/23	
Bromomethane	ND	2.00	1	07/07/23	07/07/23	
n-Butyl Benzene	**3.53**	1.00	1	07/07/23	07/07/23	
sec-Butylbenzene	**2.62**	1.00	1	07/07/23	07/07/23	
tert-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
Carbon Tetrachloride	ND	1.00	1	07/07/23	07/07/23	
Chlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Chloroethane	ND	2.00	1	07/07/23	07/07/23	
Chloroform	ND	5.00	1	07/07/23	07/07/23	
Chloromethane	ND	2.00	1	07/07/23	07/07/23	
2-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
4-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
Dibromochloromethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	1	07/07/23	07/07/23	
1,2-Dibromoethane (EDB)	ND	2.00	1	07/07/23	07/07/23	
Dibromomethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,4-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Dichlorodifluoromethane (Freon-12)	ND	2.00	1	07/07/23	07/07/23	
1,1-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
cis-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
trans-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
2,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
cis-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
trans-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
Diisopropyl Ether (DIPE)	ND	1.00	1	07/07/23	07/07/23	
Ethylbenzene	**7.25**	1.00	1	07/07/23	07/07/23	
Ethyl tert-Butyl Ether (ETBE)	ND	1.00	1	07/07/23	07/07/23	
Hexachlorobutadiene	ND	5.00	1	07/07/23	07/07/23	
2-Hexanone	ND	20.0	1	07/07/23	07/07/23	
Isopropylbenzene	**12.2**	1.00	1	07/07/23	07/07/23	
4-Isopropyltoluene	ND	1.00	1	07/07/23	07/07/23	
2-Butanone (MEK)	ND	20.0	1	07/07/23	07/07/23	
Methylene Chloride	ND	2.00	1	07/07/23	07/07/23	
1-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	
2-Methylnaphthalene	**11.6**	10.0	1	07/07/23	07/07/23	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

MW-8

E306241-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
4-Methyl-2-pentanone (MIBK)	ND	20.0	1	07/07/23	07/07/23	
Methyl tert-Butyl Ether (MTBE)	ND	1.00	1	07/07/23	07/07/23	
Naphthalene	**12.8**	5.00	1	07/07/23	07/07/23	
n-Propyl Benzene	**17.8**	1.00	1	07/07/23	07/07/23	
Styrene	ND	1.00	1	07/07/23	07/07/23	
tert-Amyl Methyl ether (TAME)	ND	1.00	1	07/07/23	07/07/23	
1,1,1,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
Tetrachloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2,3-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,2,4-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,1,1-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
Trichloroethene	ND	1.00	1	07/07/23	07/07/23	
Trichlorofluoromethane (Freon-11)	ND	2.00	1	07/07/23	07/07/23	
1,2,3-Trichloropropane	ND	2.00	1	07/07/23	07/07/23	
1,2,4-Trimethylbenzene	ND	5.00	1	07/07/23	07/07/23	
1,3,5-Trimethylbenzene	**5.55**	1.00	1	07/07/23	07/07/23	
Toluene	ND	1.00	1	07/07/23	07/07/23	
Vinyl chloride	ND	2.00	1	07/07/23	07/07/23	
o-Xylene	ND	1.00	1	07/07/23	07/07/23	
p,m-Xylene	ND	2.00	1	07/07/23	07/07/23	
Total Xylenes	ND	1.00	1	07/07/23	07/07/23	
Surrogate: Bromofluorobenzene		*109 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*07/07/23*	*07/07/23*	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

MW-9

E306241-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
Acetone	ND	40.0	1	07/07/23	07/07/23	
Benzene	ND	1.00	1	07/07/23	07/07/23	
Bromobenzene	ND	1.00	1	07/07/23	07/07/23	
Bromochloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromodichloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromoform	ND	1.00	1	07/07/23	07/07/23	
Bromomethane	ND	2.00	1	07/07/23	07/07/23	
n-Butyl Benzene	ND	1.00	1	07/07/23	07/07/23	
sec-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
tert-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
Carbon Tetrachloride	ND	1.00	1	07/07/23	07/07/23	
Chlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Chloroethane	ND	2.00	1	07/07/23	07/07/23	
Chloroform	ND	5.00	1	07/07/23	07/07/23	
Chloromethane	ND	2.00	1	07/07/23	07/07/23	
2-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
4-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
Dibromochloromethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	1	07/07/23	07/07/23	
1,2-Dibromoethane (EDB)	ND	2.00	1	07/07/23	07/07/23	
Dibromomethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,4-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Dichlorodifluoromethane (Freon-12)	ND	2.00	1	07/07/23	07/07/23	
1,1-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
cis-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
trans-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
2,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
cis-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
trans-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
Diisopropyl Ether (DIPE)	ND	1.00	1	07/07/23	07/07/23	
Ethylbenzene	**6.30**	1.00	1	07/07/23	07/07/23	
Ethyl tert-Butyl Ether (ETBE)	ND	1.00	1	07/07/23	07/07/23	
Hexachlorobutadiene	ND	5.00	1	07/07/23	07/07/23	
2-Hexanone	ND	20.0	1	07/07/23	07/07/23	
Isopropylbenzene	**3.90**	1.00	1	07/07/23	07/07/23	
4-Isopropyltoluene	ND	1.00	1	07/07/23	07/07/23	
2-Butanone (MEK)	ND	20.0	1	07/07/23	07/07/23	
Methylene Chloride	ND	2.00	1	07/07/23	07/07/23	
1-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	
2-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

MW-9

E306241-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
4-Methyl-2-pentanone (MIBK)	ND	20.0	1	07/07/23	07/07/23	
Methyl tert-Butyl Ether (MTBE)	ND	1.00	1	07/07/23	07/07/23	
Naphthalene	**13.3**	5.00	1	07/07/23	07/07/23	
n-Propyl Benzene	**9.58**	1.00	1	07/07/23	07/07/23	
Styrene	ND	1.00	1	07/07/23	07/07/23	
tert-Amyl Methyl ether (TAME)	ND	1.00	1	07/07/23	07/07/23	
1,1,1,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
Tetrachloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2,3-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,2,4-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,1,1-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
Trichloroethene	ND	1.00	1	07/07/23	07/07/23	
Trichlorofluoromethane (Freon-11)	ND	2.00	1	07/07/23	07/07/23	
1,2,3-Trichloropropane	ND	2.00	1	07/07/23	07/07/23	
1,2,4-Trimethylbenzene	ND	5.00	1	07/07/23	07/07/23	
1,3,5-Trimethylbenzene	ND	1.00	1	07/07/23	07/07/23	
Toluene	ND	1.00	1	07/07/23	07/07/23	
Vinyl chloride	ND	2.00	1	07/07/23	07/07/23	
o-Xylene	ND	1.00	1	07/07/23	07/07/23	
p,m-Xylene	**10.3**	2.00	1	07/07/23	07/07/23	
Total Xylenes	**10.3**	1.00	1	07/07/23	07/07/23	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.5 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/07/23*	*07/07/23*	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

VP-2

E306241-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
Acetone	ND	40.0	1	07/07/23	07/07/23	
Benzene	ND	1.00	1	07/07/23	07/07/23	
Bromobenzene	ND	1.00	1	07/07/23	07/07/23	
Bromochloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromodichloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromoform	ND	1.00	1	07/07/23	07/07/23	
Bromomethane	ND	2.00	1	07/07/23	07/07/23	
n-Butyl Benzene	**1.08**	1.00	1	07/07/23	07/07/23	
sec-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
tert-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
Carbon Tetrachloride	ND	1.00	1	07/07/23	07/07/23	
Chlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Chloroethane	ND	2.00	1	07/07/23	07/07/23	
Chloroform	ND	5.00	1	07/07/23	07/07/23	
Chloromethane	ND	2.00	1	07/07/23	07/07/23	
2-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
4-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
Dibromochloromethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	1	07/07/23	07/07/23	
1,2-Dibromoethane (EDB)	ND	2.00	1	07/07/23	07/07/23	
Dibromomethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,4-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Dichlorodifluoromethane (Freon-12)	ND	2.00	1	07/07/23	07/07/23	
1,1-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
cis-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
trans-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
2,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
cis-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
trans-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
Diisopropyl Ether (DIPE)	ND	1.00	1	07/07/23	07/07/23	
Ethylbenzene	**1.09**	1.00	1	07/07/23	07/07/23	
Ethyl tert-Butyl Ether (ETBE)	ND	1.00	1	07/07/23	07/07/23	
Hexachlorobutadiene	ND	5.00	1	07/07/23	07/07/23	
2-Hexanone	ND	20.0	1	07/07/23	07/07/23	
Isopropylbenzene	**6.66**	1.00	1	07/07/23	07/07/23	
4-Isopropyltoluene	ND	1.00	1	07/07/23	07/07/23	
2-Butanone (MEK)	ND	20.0	1	07/07/23	07/07/23	
Methylene Chloride	ND	2.00	1	07/07/23	07/07/23	
1-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	
2-Methylnaphthalene	ND	10.0	1	07/07/23	07/07/23	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

VP-2

E306241-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
4-Methyl-2-pentanone (MIBK)	ND	20.0	1	07/07/23	07/07/23	
Methyl tert-Butyl Ether (MTBE)	ND	1.00	1	07/07/23	07/07/23	
Naphthalene	**10.3**	5.00	1	07/07/23	07/07/23	
n-Propyl Benzene	**12.6**	1.00	1	07/07/23	07/07/23	
Styrene	ND	1.00	1	07/07/23	07/07/23	
tert-Amyl Methyl ether (TAME)	ND	1.00	1	07/07/23	07/07/23	
1,1,1,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
Tetrachloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2,3-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,2,4-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,1,1-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
Trichloroethene	ND	1.00	1	07/07/23	07/07/23	
Trichlorofluoromethane (Freon-11)	ND	2.00	1	07/07/23	07/07/23	
1,2,3-Trichloropropane	ND	2.00	1	07/07/23	07/07/23	
1,2,4-Trimethylbenzene	ND	5.00	1	07/07/23	07/07/23	
1,3,5-Trimethylbenzene	**1.14**	1.00	1	07/07/23	07/07/23	
Toluene	ND	1.00	1	07/07/23	07/07/23	
Vinyl chloride	ND	2.00	1	07/07/23	07/07/23	
o-Xylene	ND	1.00	1	07/07/23	07/07/23	
p,m-Xylene	ND	2.00	1	07/07/23	07/07/23	
Total Xylenes	ND	1.00	1	07/07/23	07/07/23	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/07/23*	*07/07/23*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/07/23*	*07/07/23*	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

VP-5

E306241-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
Acetone	ND	40.0	1	07/07/23	07/07/23	
Benzene	ND	1.00	1	07/07/23	07/07/23	
Bromobenzene	ND	1.00	1	07/07/23	07/07/23	
Bromochloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromodichloromethane	ND	1.00	1	07/07/23	07/07/23	
Bromoform	ND	1.00	1	07/07/23	07/07/23	
Bromomethane	ND	2.00	1	07/07/23	07/07/23	
n-Butyl Benzene	**12.2**	1.00	1	07/07/23	07/07/23	
sec-Butylbenzene	**4.79**	1.00	1	07/07/23	07/07/23	
tert-Butylbenzene	ND	1.00	1	07/07/23	07/07/23	
Carbon Tetrachloride	ND	1.00	1	07/07/23	07/07/23	
Chlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Chloroethane	ND	2.00	1	07/07/23	07/07/23	
Chloroform	ND	5.00	1	07/07/23	07/07/23	
Chloromethane	ND	2.00	1	07/07/23	07/07/23	
2-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
4-Chlorotoluene	ND	1.00	1	07/07/23	07/07/23	
Dibromochloromethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.00	1	07/07/23	07/07/23	
1,2-Dibromoethane (EDB)	ND	2.00	1	07/07/23	07/07/23	
Dibromomethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
1,4-Dichlorobenzene	ND	1.00	1	07/07/23	07/07/23	
Dichlorodifluoromethane (Freon-12)	ND	2.00	1	07/07/23	07/07/23	
1,1-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
cis-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
trans-1,2-Dichloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,3-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
2,2-Dichloropropane	ND	1.00	1	07/07/23	07/07/23	
1,1-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
cis-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
trans-1,3-Dichloropropene	ND	1.00	1	07/07/23	07/07/23	
Diisopropyl Ether (DIPE)	ND	1.00	1	07/07/23	07/07/23	
Ethylbenzene	ND	1.00	1	07/07/23	07/07/23	
Ethyl tert-Butyl Ether (ETBE)	ND	1.00	1	07/07/23	07/07/23	
Hexachlorobutadiene	ND	5.00	1	07/07/23	07/07/23	
2-Hexanone	ND	20.0	1	07/07/23	07/07/23	
Isopropylbenzene	**28.2**	1.00	1	07/07/23	07/07/23	
4-Isopropyltoluene	**1.44**	1.00	1	07/07/23	07/07/23	
2-Butanone (MEK)	ND	20.0	1	07/07/23	07/07/23	
Methylene Chloride	ND	2.00	1	07/07/23	07/07/23	
1-Methylnaphthalene	**64.8**	10.0	1	07/07/23	07/07/23	
2-Methylnaphthalene	**101**	10.0	1	07/07/23	07/07/23	

Sample Data

NMED	Project Name:	BARELAS BRIDGE	
3400 2nd Street NW	Project Number:	22104-0002	**Reported:**
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

VP-5

E306241-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	ug/L	ug/L	Analyst: IY			Batch: 2327034
4-Methyl-2-pentanone (MIBK)	ND	20.0	1	07/07/23	07/07/23	
Methyl tert-Butyl Ether (MTBE)	ND	1.00	1	07/07/23	07/07/23	
Naphthalene	ND	5.00	1	07/07/23	07/07/23	
n-Propyl Benzene	**77.1**	1.00	1	07/07/23	07/07/23	
Styrene	ND	1.00	1	07/07/23	07/07/23	
tert-Amyl Methyl ether (TAME)	ND	1.00	1	07/07/23	07/07/23	
1,1,1,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2,2-Tetrachloroethane	ND	1.00	1	07/07/23	07/07/23	
Tetrachloroethene	ND	1.00	1	07/07/23	07/07/23	
1,2,3-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,2,4-Trichlorobenzene	ND	5.00	1	07/07/23	07/07/23	
1,1,1-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
1,1,2-Trichloroethane	ND	1.00	1	07/07/23	07/07/23	
Trichloroethene	ND	1.00	1	07/07/23	07/07/23	
Trichlorofluoromethane (Freon-11)	ND	2.00	1	07/07/23	07/07/23	
1,2,3-Trichloropropane	ND	2.00	1	07/07/23	07/07/23	
1,2,4-Trimethylbenzene	ND	5.00	1	07/07/23	07/07/23	
1,3,5-Trimethylbenzene	**14.7**	1.00	1	07/07/23	07/07/23	
Toluene	ND	1.00	1	07/07/23	07/07/23	
Vinyl chloride	ND	2.00	1	07/07/23	07/07/23	
o-Xylene	ND	1.00	1	07/07/23	07/07/23	
p,m-Xylene	ND	2.00	1	07/07/23	07/07/23	
Total Xylenes	ND	1.00	1	07/07/23	07/07/23	
Surrogate: Bromofluorobenzene	*105 %*	*70-130*		*07/07/23*	*07/07/23*	
Surrogate: 1,2-Dichloroethane-d4	*93.9 %*	*70-130*		*07/07/23*	*07/07/23*	
Surrogate: Toluene-d8	*101 %*	*70-130*		*07/07/23*	*07/07/23*	

QC Summary Data

NMED	Project Name:	BARELAS BRIDGE	**Reported:**
3400 2nd Street NW	Project Number:	22104-0002	
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

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 (2327034-BLK1)									Prepared: 07/07/23 Analyzed: 07/07/23
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	7/10/2023 2:52:18PM

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 (2327034-BLK1)									Prepared: 07/07/23 Analyzed: 07/07/23
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	*9.91*		*10.0*		*99.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*9.53*		*10.0*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*9.92*		*10.0*		*99.2*	*70-130*			
LCS (2327034-BS1)									Prepared: 07/07/23 Analyzed: 07/07/23
Acetone	48.5	40.0	100		48.5	20-185			
Benzene	53.2	1.00	50.0		106	70-130			
Bromoform	48.3	1.00	50.0		96.5	70-131			
Bromomethane	80.4	2.00	50.0		161	22-187			
sec-Butylbenzene	55.8	1.00	50.0		112	70-130			
Carbon Tetrachloride	57.0	1.00	50.0		114	70-130			
Chlorobenzene	54.9	1.00	50.0		110	70-130			
2-Chlorotoluene	57.5	1.00	50.0		115	70-130			
Dibromochloromethane	45.3	1.00	50.0		90.5	70-130			
1,2-Dichlorobenzene	52.0	1.00	50.0		104	70-130			
Dichlorodifluoromethane (Freon-12)	88.5	2.00	50.0		177	50-180			
1,1-Dichloroethane	54.9	1.00	50.0		110	70-130			
1,1-Dichloroethene	55.6	1.00	50.0		111	80-120			
2,2-Dichloropropane	57.9	1.00	50.0		116	50-160			
cis-1,3-Dichloropropene	50.8	1.00	50.0		102	70-130			
Ethylbenzene	51.4	1.00	50.0		103	80-120			
Isopropylbenzene	51.0	1.00	50.0		102	70-130			
Methyl tert-Butyl Ether (MTBE)	79.8	1.00	100		79.8	70-130			
Naphthalene	38.0	5.00	50.0		76.0	70-140			
tert-Amyl Methyl ether (TAME)	36.2	1.00	50.0		72.3	70-130			
Trichloroethene	50.5	1.00	50.0		101	70-130			
Toluene	51.6	1.00	50.0		103	80-120			
o-Xylene	55.1	1.00	50.0		110	70-130			
p,m-Xylene	109	2.00	100		109	70-130			
Total Xylenes	164	1.00	150		110	70-130			
Surrogate: Bromofluorobenzene	*10.2*		*10.0*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*9.72*		*10.0*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*9.95*		*10.0*		*99.5*	*70-130*			
LCS Dup (2327034-BSD1)									Prepared: 07/07/23 Analyzed: 07/07/23
Acetone	51.0	40.0	100		51.0	20-185	5.04	30	
Benzene	48.1	1.00	50.0		96.2	70-130	10.1	20	
Bromoform	46.6	1.00	50.0		93.1	70-131	3.59	20	
Bromomethane	69.6	2.00	50.0		139	22-187	14.4	20	
sec-Butylbenzene	50.3	1.00	50.0		101	70-130	10.4	20	
Carbon Tetrachloride	51.0	1.00	50.0		102	70-130	11.0	20	
Chlorobenzene	50.3	1.00	50.0		101	70-130	8.73	20	
2-Chlorotoluene	51.4	1.00	50.0		103	70-130	11.3	20	
Dibromochloromethane	42.4	1.00	50.0		84.9	70-130	6.43	20	
1,2-Dichlorobenzene	47.6	1.00	50.0		95.1	70-130	8.90	20	
Dichlorodifluoromethane (Freon-12)	77.4	2.00	50.0		155	50-180	13.3	20	
1,1-Dichloroethane	49.5	1.00	50.0		99.1	70-130	10.2	20	
1,1-Dichloroethene	49.0	1.00	50.0		97.9	80-120	12.7	20	
2,2-Dichloropropane	51.4	1.00	50.0		103	50-160	11.9	20	
cis-1,3-Dichloropropene	46.4	1.00	50.0		92.8	70-130	9.11	20	
Ethylbenzene	47.0	1.00	50.0		94.0	80-120	8.99	20	
Isopropylbenzene	45.4	1.00	50.0		90.8	70-130	11.6	20	
Methyl tert-Butyl Ether (MTBE)	77.1	1.00	100		77.1	70-130	3.45	20	
Naphthalene	37.2	5.00	50.0		74.4	70-140	2.13	20	
tert-Amyl Methyl ether (TAME)	34.8	1.00	50.0		69.6	70-130	3.86	20	L4

QC Summary Data

NMED	Project Name:	BARELAS BRIDGE	**Reported:**
3400 2nd Street NW	Project Number:	22104-0002	
Albuquerque NM, -	Project Manager:	Greg Crabtree	7/10/2023 2:52:18PM

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	%	%	%	%	
LCS Dup (2327034-BSD1)									Prepared: 07/07/23 Analyzed: 07/07/23
Trichloroethene	45.7	1.00	50.0		91.3	70-130	10.1	20	
Toluene	46.7	1.00	50.0		93.3	80-120	9.98	20	
o-Xylene	49.3	1.00	50.0		98.6	70-130	11.1	20	
p,m-Xylene	97.5	2.00	100		97.4	70-130	11.4	20	
Total Xylenes	147	1.00	150		97.8	70-130	11.3	20	
Surrogate: Bromofluorobenzene	*9.96*		*10.0*		*99.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*9.19*		*10.0*		*91.9*	*70-130*			
Surrogate: Toluene-d8	*9.92*		*10.0*		*99.2*	*70-130*			

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	07/10/23 14:52

L4	The LCS spike recovery was below acceptance limits.
L4	The LCS spike recovery was below 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.

Client: NMED PSTB	Bill To	Lab Use Only
Project: Barelas Bridge	Attention:	Lab WO# E306241 / Job Number 22104-0002
Project Manager: Greg Crabtree	Address:	TAT: 1D, 2D, 3D, Standard
Address:	City, State, Zip	EPA Program: CWA, SDWA, RCRA: x
City, State, Zip	Phone:	State: NM x, CO, UT, AZ, TX
Phone:	Email:	
Email: All Enviro		
Report due by:		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	VOC by 8260	Sulfate & Nitrate by 300.0	TDS	Remarks
~~6/29/2023~~	~~A~~	~~3~~		MW-4		x			
10:54	6/29/2023	A	3	MW-7	1	x			
10:50	6/29/2023	A	3	MW-8	2	x			
10:00	6/29/2023	A	3	MW-9	3	x			
11:13	6/29/2023	A	3	VP-2	4	x			
10:23	6/29/2023	A	3	VP-5	5	x			
		A	1	Trip Blank	6	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: Patrick Mesa

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
	6/29/23	15:15		6/29/23	15:16
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: 6/30/2023 1:02:52PM

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:	06/29/23 15:16	Work Order ID:	E306241
Phone:	(505) 372-8334	Date Logged In:	06/30/23 12:54	Logged In By:	Caitlin Mars
Email:	gcrabtree@envirotech-inc.com	Due Date:	07/10/23 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: Patrick Mesa
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.