2019 Annual Groundwater Monitoring and Activities Summary Report

Eldridge Ranch
Lea County, New Mexico
AP-33

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1. Introduction

This report summarizes annual 2019 groundwater monitoring and remediation activities conducted at the Eldridge Ranch Pipeline Release (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream (DCP). The groundwater monitoring activities described herein were conducted to monitor the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons, measure groundwater levels, obtain groundwater samples for laboratory analysis, and evaluate groundwater flow and quality conditions. Field data and laboratory analytical results collected between June 10 to 12, 2019, were used to develop a groundwater elevation contour map and an analytical results map to evaluate current conditions at the Site.

2. Site Location and Background

The Site is located in New Mexico Oil Conservation Division (OCD) designated Unit P, Section 21, Township 19 South, Range 37 East, approximately 1 mile north and 3/4 of a mile east of the town of Monument in Lea County, New Mexico. The approximate coordinates are 32.642 degrees north and 103.256 degrees west. The surrounding area is predominantly uninhabited and used for ranching and oil and gas production and gathering. Approximately five underground pipelines traverse the Site.

The Site includes the former Eldridge Ranch property to the south and the former Huston property in the central portion, both of which are owned by DCP. The northern portion of the Site consists of land leased by DCP from the State of New Mexico. The Site spans more than a mile north to south over these three sections. For ease of discussion, the State of New Mexico property is referred to as the North Area, the Huston property is referenced as the Central Area, and the Eldridge Property is referred to as the South Area, as shown on Figure 2.

On March 9 and 12, 2018 plugging and abandonment of thirteen (13) total monitoring wells and one residential well was conducted in accordance with an approved Well Plugging Plan of Operations approved on February 27, 2018. The 13 wells plugged and abandoned included the Eldridge House Well, and Monitoring Wells: MW-1, MW-1D, MW-2, MW-3, MW-16, MW-17, NMG MW-2, NMG MW-3, NMG MW-4, NMG MW-6, NMG MW-7, and NMG MW-8.

3. Groundwater Monitoring

This section describes the field groundwater monitoring activities performed during the annual 2019 monitoring event between June 10 and 12, 2019. Monitoring activities included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels were measured in order to evaluate hydraulic characteristics and provide information regarding fluctuations in groundwater and LNAPL elevations at the Site. Annual 2019 groundwater levels were measured at 32 of the 45 monitoring well locations.

The monitoring wells were gauged on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater levels were subsequently converted to elevations (feet above mean sea level [AMSL]).

Groundwater and LNAPL elevations collected during the reporting period as well as historical elevations are presented in Table 1. An annual 2019 groundwater elevation map, included as Figure 3, indicates that groundwater flow at the Site trends to the south-southeast. Groundwater elevations, ranges, average elevation change from the previous monitoring event and the calculated hydraulic gradient at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	2019 Annual (6/10/2019)
Maximum Elevation (Well ID)	3,616.31 (NMG MW-5)
Minimum Elevation (Well ID)	3,599.02 (MW-E)
Average Change from Previous Monitoring Event – All Wells	-0.33 feet
Hydraulic Gradient (ft/ft) / (Well IDs)	0.0039 (NMG MW-5 to MW-E)

During the annual 2019 event, LNAPL was detected at 3 monitoring wells, as summarized below:

Monitoring Well ID	**Measured LNAPL Thickness (feet)**
MW-23	0.45
MW-27	0.50
MW-CC	0.45

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each monitoring well, groundwater samples were collected from monitoring wells that did not contain measurable LNAPL and that are historically included in the sampling network. A minimum of three well casing volumes of groundwater (calculated from total depth of the well and groundwater level measurements) was then purged from the subject well prior to the collection of groundwater samples. Groundwater samples were collected using disposable polyethylene bailers, placed in clean laboratory supplied containers, packed in an ice-filled cooler and maintained at approximately four (4) degrees Celsius (°C) for transportation to the laboratory. Groundwater samples were then shipped under chain-of-custody procedures to Pace Analytical labs (Pace) in Mount Juliet, Tennessee, for analysis.

Water quality samples were collected from 26 monitoring wells during the annual 2019 monitoring event.

Water quality samples were submitted to Pace for benzene, toluene, ethylbenzene, and total xylenes (BTEX) analyses by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the annual 2019 event. A dissolved phase benzene iso-concentration map is illustrated on Figure 4. In addition, historical analytical results up to and including the June 2019 event are contained in Appendix A and the laboratory analytical report for the reporting period is included in Appendix B.

Analytical results/observations are summarized below.

- Benzene concentrations in groundwater samples from nine (9) of the sampled monitoring wells were in exceedance of the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.01 milligrams per liter (mg/L). Detected benzene concentrations ranged from 5.21 mg/L at monitoring well MW-N to 0.0318 mg/L at MW-EE (0.0245 mg/L, Duplicate).
- Toluene was not in exceedance of the NMWQCC groundwater standards of 1.0 mg/L at any of the Site monitoring wells. Toluene was above laboratory detection limits at MW-11 (0.00479 mg/L), MW-26 (0.914 mg/L), and MW-EE (0.00228 mg/L).
- Ethylbenzene was not in exceedance of the NMWQCC groundwater standard of 0.75 mg/L at any of the Site monitoring wells. Ethylbenzene was above laboratory detection limits at MW-8 (0.00198 mg/L), MW-11 (0.0574 mg/L, Duplicate 0.0511 mg/L), MW-12 (0.289 mg/L), MW-26 (0.0681 mg/L), MW-M (0.236 mg/L), MW-N (0.442 mg/L), MW-O (0.0263 J), and MW-LL (0.0421 mg/L, Duplicate 0.0438 mg/L).
- Total xylenes were in exceedance of the NMWQCC groundwater standard of 0.62 mg/L at one (1) of the Site monitoring wells. MW-N was above standards at 1.06 mg/L for total xylenes. Total xylenes were above laboratory detection limits at MW-11 (0.0288 J mg/L, Duplicate 0.0233 mg/L), and MW-26 (0.175 mg/L).
- The remaining sampled well locations had BTEX concentrations below the NMWQCC groundwater standards and/or laboratory detection limits.

3.3 Data Quality Assurance / Quality Control

Field duplicate samples (MW-11, MW-EE, and MW-LL) were collected during the sampling event. The data was reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed, and data were reported using the correct method number and reporting units. QA/QC items of note for the annual 2019 event include the following:

- Target analytes were not detected in the trip blank.
- The duplicate values at monitoring wells MW-11 and MW-LL indicated good correlation between primary and duplicate samples with a relative percent difference (RPD) values of 6.4%, and 1.8% respectively, which is within the target range of 20%.
- The RPD of the parent and duplicate samples from MW-EE was calculated at 25.9%, is above the target RPD of 20%. The difference in the analytical results may be due to non-homogeneity of target analytes within the sample matrix.

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

4. Remediation Activities

Active LNAPL remediation and passive dissolved phase petroleum hydrocarbon remediation activities were conducted quarterly during 2019 as described in the following Sections.

4.1 Vacuum Enhanced Fluid Recovery

During 2019, Tasman conducted bi-monthly vacuum enhanced fluid recovery (EFR) events on February 18, April 12, June 18, August 15, October 22, and December 10, 2019. During the February and April events, EFR was applied to only MW-27 and MW-CC simultaneously for eight (8) hours. LNAPL was discovered in monitoring well MW-23 on Site during the annual sampling event in June 2019. Therefore, during the June, August, October and December events, EFR was applied simultaneously to MW-27 and MW-CC then moved to MW-23 for the other half of the duration using a vacuum truck and down-hole stinger pipe assemblies. The stingers were placed slightly below the LNAPL/groundwater interface, thereby removing LNAPL, groundwater, and hydrocarbon vapors from the subsurface. The EFR durations and liquid recovery volumes that were recorded during EFR efforts are summarized in the table below. The recovered liquid from the EFR events was subsequently transported and disposed of at the Cooper Disposal Facility in Hobbs, New Mexico.

EFR Location*	2/18/2019	4/12/2019	6/18/2019	8/15/2019	10/22/2019	12/10/2019
	Duration (hrs) / Volume Removed (bbl)					
MW-23	N/A	N/A	4/30	4/25	4/20	4/25
MW-27 / MW-CC	8/75	8/120	4/40	4/30	4/30	4/40

Note:

* Vacuum enhanced fluid recovery at MW-27 and MW-CC was conducted simultaneously.

bbl = barrel

hrs = hours

4.2 Monitored Natural Attenuation (MNA)

In addition to EFR remediation activities, monitored natural attenuation (MNA) continues to be employed as a remediation strategy to address dissolved phase petroleum hydrocarbon detections at the Site.

Due to the continuous reduction in hydrocarbon concentrations, all wells within the North Area and South Area of the Site exhibit detections below NMWQCC standards and/or laboratory detection limits.

Monitoring wells MW-S, MW-I, and MW-6 serve as point of compliance wells along with several additional downgradient wells in the Central Area and exhibit BTEX concentrations below laboratory detection limits. Historical and 2019 annual analytical data suggests that MNA continues to demonstrate the overall degradation of dissolved phase hydrocarbon concentrations at the Site.

5. Conclusions

Data and observations collected during the annual 2019 monitoring event provide the following conclusions:

- Site-wide:
    - Dissolved phase BTEX concentrations indicate an overall declining trend.

- North Area of the Site:
    - Benzene concentrations for all sampled wells within the North Area were below the laboratory detection limits and below NMWQCC regulatory standards during the annual 2019 monitoring event.

- Central Area of the Site:
    - LNAPL persists with fluctuating thicknesses in monitoring wells MW-27, and MW-CC. Thicknesses were calculated as 0.50-feet, and 0.45-feet, respectively. LNAPL was absent in MW-N for the first time since the September 2016 sampling event.
    - LNAPL was detected in MW-23 for the first time in several years during the June 2019 sampling event. Thickness was calculated as 0.45-feet.
    - Elevated dissolved phase benzene concentrations continue to be observed within in the Central Area of the Site. However, the benzene concentrations within the plume continue to exhibit a strong declining trend with minor fluctuations likely attributed to seasonal variations in the groundwater elevations at the Site. This trend indicates that the overall dissolved phase plume is being mitigated through natural processes.
    - Point of compliance wells indicate that isolated impacts are not migrating.
- South Area of the Site:
    - Following well abandonment activities performed during March 2018, remaining wells within the South Area are no longer sampled as part of the annual monitoring program.

6. Recommendations

Based on evaluation of the 2019 annual monitoring event site observations and monitoring results, the following recommendations have been developed for future activities:

- Continue annual groundwater monitoring activities during 2020. Per request from the New Mexico OCD to rotate the date of annual sampling activities, the 2020 annual monitoring event will be performed during June 2020.
- Continue EFR remediation activities at wells with measurable amounts of LNAPL and/or elevated dissolved phase benzene concentrations. During 2020, EFR events will be performed every other month beginning in February 2020 for a total of six (6) events. Ongoing EFR efforts will be further assessed following annual monitoring events.

Tables

TABLE 1
2019 ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
MW-1	9/27/2017	18.40			29.45	3618.22	3599.82	0.09
MW-1	3/12/2018	PLUGGED AND ABANDONED						
MW-1D	9/27/2017	19.99			42.45	3616.18	3596.19	0.03
MW-1D	3/12/2018	PLUGGED AND ABANDONED						
MW-2	9/27/2017	21.60			28.90	3621.63	3600.03	0.01
MW-2	3/12/2018	PLUGGED AND ABANDONED						
MW-3	9/27/2017	21.51			30.21	3621.67	3600.16	0.00
MW-3	3/12/2018	PLUGGED AND ABANDONED						
MW-4	9/12/2018	NM			NM	3621.31	NA	NA
MW-4	6/10/2019	NM			NM	3621.31	NA	NA
MW-5	9/12/2018	NM			NM	3618.08	NA	NA
MW-5	6/10/2019	NM			NM	3618.08	NA	NA
MW-6	9/12/2018	21.39			30.10	3624.99	3603.60	-1.10
MW-6	6/10/2019	21.61			30.10	3624.99	3603.38	-0.22
MW-7	9/12/2018	NM			NM	3630.62	NA	NA
MW-7	6/10/2019	27.10			NM	3630.62	3603.52	NA
MW-8	9/13/2018	23.21			32.52	3625.92	3602.71	-1.34
MW-8	6/10/2019	23.51			32.52	3625.92	3602.41	-0.30
MW-9	9/12/2018	NM			NM	3620.78	NA	NA
MW-9	6/10/2019	NM			NM	3620.78	NA	NA
MW-10	9/12/2018	23.04			31.61	3627.27	3604.23	-1.47
MW-10	6/10/2019	23.41			31.61	3627.27	3603.86	-0.37
MW-11	9/13/2018	23.61			32.79	3627.56	3603.95	-1.28
MW-11	6/10/2019	24.01			32.79	3627.56	3603.55	-0.40
MW-12	9/13/2018	25.90			34.10	3631.14	3605.24	-1.21
MW-12	6/10/2019	26.32			34.10	3631.14	3604.82	-0.42
MW-13	9/12/2018	NM			NM	3632.90	NA	NA
MW-13	6/10/2019	27.95			NM	3632.90	3604.95	NA
MW-14	9/12/2018	24.00			34.17	3630.36	3606.36	-1.43
MW-14	6/10/2019	24.38			34.17	3630.36	3605.98	-0.38
MW-15	9/12/2018	NM			NM	3635.47	NA	NA
MW-15	6/10/2019	27.18			NM	3635.47	3608.29	NA
MW-16	9/27/2016	17.38			27.95	3611.54	3594.16	0.38
MW-16	3/12/2018	PLUGGED AND ABANDONED						
MW-17	9/27/2017	14.75			27.50	3608.23	3593.48	0.04
MW-17	3/12/2018	PLUGGED AND ABANDONED						
MW-18	9/12/2018	23.07			34.89	3623.53	3600.46	-1.66
MW-18	6/10/2019	23.27			34.89	3623.53	3600.26	-0.20

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MW-19	9/12/2018	18.06			30.11	3617.99	3599.93	-1.58
MW-19	6/10/2019	18.25			30.11	3617.99	3599.74	-0.19
MW-20	9/12/2018	30.85			35.44	3637.14	3606.29	-0.80
MW-20	6/10/2019	31.30			35.44	3637.14	3605.84	-0.45
MW-21	9/12/2018	NM			NM	3633.27	NA	NA
MW-21	6/10/2019	NM			NM	3633.27	NA	NA
MW-22	9/12/2018	22.39			34.45	3628.68	3606.29	-1.51
MW-22	6/10/2019	22.75			34.45	3628.68	3605.93	-0.36
MW-23	9/12/2018	24.08			32.90	3632.02	3607.94	-1.10
MW-23	6/10/2019	24.70	24.25	0.45	32.90	3632.02	3607.66	-0.28
MW-24	9/12/2018	NM			NM	3609.15	NA	NA
MW-24	6/10/2019	NM			NM	3609.15	NA	NA
MW-25	9/12/2018	28.04			36.19	3640.14	3612.10	-0.52
MW-25	6/10/2019	28.23			36.19	3640.14	3611.91	-0.19
MW-26	9/13/2018	24.96			35.90	3635.01	3610.05	-0.97
MW-26	6/10/2019	25.25			35.90	3635.01	3609.76	-0.29
MW-27	9/13/2018	29.47	28.89	0.58	NM	3636.41	3607.38	-1.60
MW-27	6/10/2019	29.88	29.38	0.50	NM	3636.41	3606.91	-0.47
MW-28	9/12/2018	NM			NM	3632.58	NA	NA
MW-28	6/10/2019	NM			NM	3632.58	NA	NA
MW-29	9/12/2018	26.02			35.16	3634.17	3608.15	-1.12
MW-29	6/10/2019	26.33			35.16	3634.17	3607.84	-0.31
MW-30	9/27/2017	NM			NM	3630.76	NA	NA
MW-30	6/10/2019	NM			NM	3630.76	NA	NA
MW-31	9/12/2018	NM			NM	3625.38	NA	NA
MW-31	6/10/2019	NM			NM	3625.38	NA	NA
MW-A	9/12/2018	NM			NM	3616.26	NA	NA
MW-A	6/10/2019	NM			NM	3616.26	NA	NA
MW-E	9/12/2018	21.28			28.70	3620.44	3599.16	-1.29
MW-E	6/10/2019	21.42			28.70	3620.44	3599.02	-0.14
MW-F	9/12/2018	17.06			27.16	3616.44	3599.38	-1.37
MW-F	6/10/2019	17.21			27.16	3616.44	3599.23	-0.15
MW-I	9/12/2018	24.83			36.64	3627.63	3602.80	-1.40
MW-I	6/10/2019	25.11			36.64	3627.63	3602.52	-0.28
MW-J	9/12/2018	NM			NM	3624.79	NA	NA
MW-J	6/10/2019	NM			NM	3624.79	NA	NA
MW-M	9/13/2018	27.93			40.34	3634.10	3606.17	-1.44
MW-M	6/10/2019	28.34			40.34	3634.10	3605.76	-0.41

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MW-N	9/13/2018	29.50	29.38	0.12	NM	3635.45	3606.04	-2.04
MW-N	6/10/2019	29.80			NM	3635.45	3605.65	-0.39
MW-O	9/13/2018	28.00			38.82	3634.05	3606.05	-1.63
MW-O	6/10/2019	28.41			38.82	3634.05	3605.64	-0.41
MW-Q	9/12/2018	24.64			36.98	3631.59	3606.95	-1.62
MW-Q	6/10/2019	25.03			36.98	3631.59	3606.56	-0.39
MW-S	9/12/2018	17.26			31.22	3622.20	3604.94	-1.57
MW-S	6/10/2019	17.64			31.22	3622.20	3604.56	-0.38
MW-CC	9/13/2018	29.26	28.76	0.50	NM	3635.22	3606.34	-1.66
MW-CC	6/10/2019	29.61	29.16	0.45	NM	3635.22	3605.95	-0.39
MW-EE	9/13/2018	23.99			34.09	3632.32	3608.33	-1.05
MW-EE	6/10/2019	24.26			34.09	3632.32	3608.06	-0.27
MW-LL	9/13/2018	29.35			39.51	3635.41	3606.06	-1.62
MW-LL	6/10/2019	29.76			39.51	3635.41	3605.65	-0.41
MW-MM	9/12/2018	23.97			32.02	3631.61	3607.64	-1.16
MW-MM	6/10/2019	24.35			32.02	3631.61	3607.26	-0.38
NMG-MW-2	9/27/2017	29.50			37.29	3646.90	3617.40	-1.21
NMG-MW-2	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-3	9/27/2017	29.21			39.37	3649.80	3620.59	-0.22
NMG-MW-3	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-4	9/27/2017	29.21			36.21	3646.08	3616.87	-0.25
NMG-MW-4	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-5	9/12/2018	31.85			38.47	3648.55	3616.70	-0.96
NMG-MW-5	6/10/2019	32.24			38.47	3648.55	3616.31	-0.39
NMG-MW-6	9/27/2017	29.70			38.34	3646.62	3616.92	-0.44
NMG-MW-6	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-7	9/27/2017	28.49			36.91	3644.18	3615.69	-0.44
NMG-MW-7	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-8	9/27/2017	30.65			38.69	3647.18	3616.53	-0.43
NMG-MW-8	3/9/2018	PLUGGED AND ABANDONED						
NMG-MW-9	9/12/2018	NM			NM	3642.12	NA	NA
NMG-MW-9	6/10/2019	NM			NM	3642.12	NA	NA
NMG-MW-10	9/12/2018	27.62			31.90	3641.78	3614.16	-1.21
NMG-MW-10	6/10/2019	28.02			31.90	3641.78	3613.76	-0.40
NMG-MW-11	9/12/2018	NM			NM	3640.37	NA	NA
NMG-MW-11	6/10/2019	NM			NM	3640.37	NA	NA
NMG-MW-12	9/12/2018	NM			NM	3638.20	NA	NA
NMG-MW-12	6/10/2019	NM			NM	3638.20	NA	NA

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NMG-MW-13	9/12/2018	NM			NM	3636.64	NA	NA
NMG-MW-13	6/10/2019	NM			NM	3636.64	NA	NA
							Average change in groundwater elevation (9/13/2018 to 6/10/2019)	-0.33

Notes:

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

amsl = feet above mean sea level

TOC = top of casing

Groundwater elevation = (TOC Elevation - Measured Depth to Water)

* Groundwater elevation was corrected for product thickness using the following calculation, when applicable:

** Estimated LNAPL thickness measuremed from visible LNAPL observed in the sample bailer.

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Relative Density)
LNAPL relative density is assumed to be approximately 0.75

NM = Not Measured

NA = Not Applicable

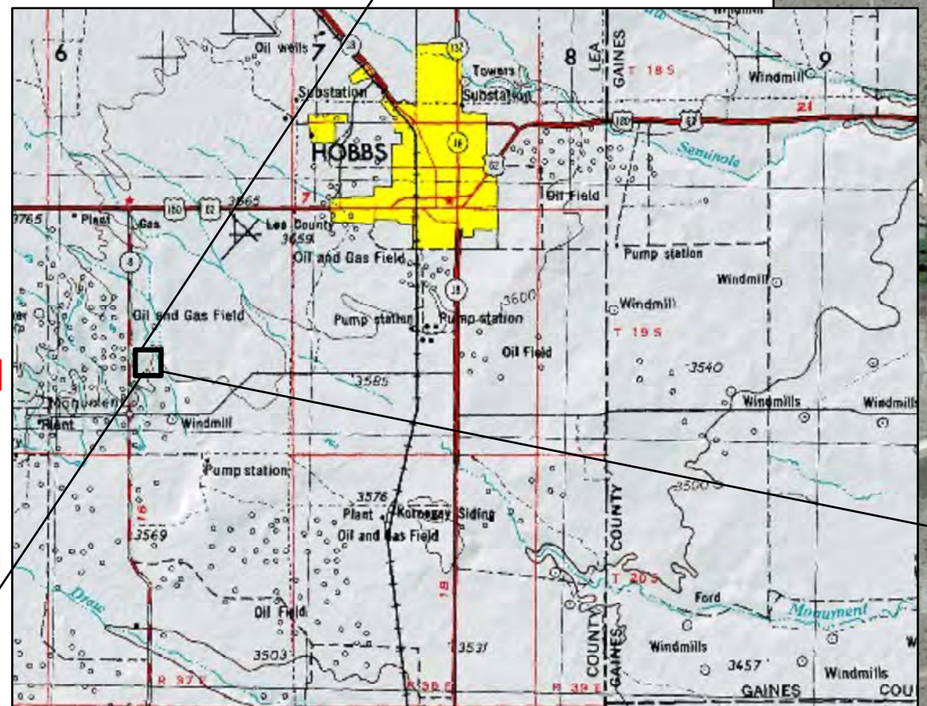
TABLE 2
2019 ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

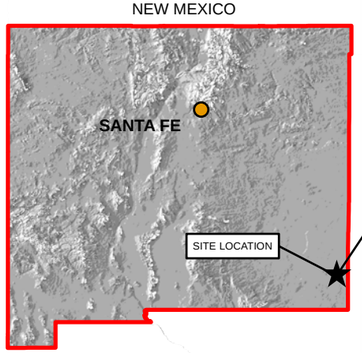
Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-6	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-8	6/11/2019	0.000634 J	<0.0010	0.00198	0.00216 J	
MW-10	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-11	6/11/2019	**0.286**	0.00479 J	0.0574	0.0288 J	Duplicate A sample collected
MW-11 (Duplicate)	6/11/2019	**0.305**	0.000457 J	0.0511	0.0233	
MW-12	6/11/2019	**2.51**	<0.050	0.289	<0.150	
MW-14	6/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-23	6/10/2019	LNAPL				
MW-25	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-26	6/12/2019	**1.84**	0.914	0.0681	0.175	
MW-27	6/10/2019	LNAPL				
MW-29	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-E	6/11/2019	0.000515 J	<0.0010	<0.0010	<0.0030	
MW-F	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-M	6/11/2019	**0.176**	<0.050	0.236	<0.150	
MW-N	6/12/2019	**5.21**	<0.100	0.442	**1.06**	
MW-O	6/12/2019	**1.41**	<0.050	0.0263 J	<0.150	
MW-Q	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-CC	6/10/2019	LNAPL				
MW-EE	6/11/2019	**0.0318**	0.00228	<0.0010	<0.0030	Duplicate B sample collected
MW-EE (Duplicate)	6/11/2019	**0.0245**	0.00224	<0.0010	<0.0030	
MW-LL	6/11/2019	**0.159**	<0.0050	0.0421	<0.0150	Duplicate C sample collected
MW-LL (Duplicate)	6/11/2019	**0.162**	0.000563 J	0.0438	0.00206 J	
MW-MM	6/10/2019	**0.0713**	<0.0010	0.000511 J	<0.0030	
NMG-MW-5	6/10/2019	0.00234	<0.0010	<0.0010	0.00123 J	
NMG-MW-10	6/10/2019	0.000532 J	<0.0010	<0.0010	<0.0030	
Trip Blank	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0010	

Notes:
Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.
NMWQCC = New Mexico Water Quality Control Commission
LNAPL = light non-aqueous phase liquid
J = A qualifier indicating an estimated value of a concentration above the laboratory's Method Detection Limit (MDL) but below the Reported Detection Limit (RDL).
mg/L = milligrams per liter

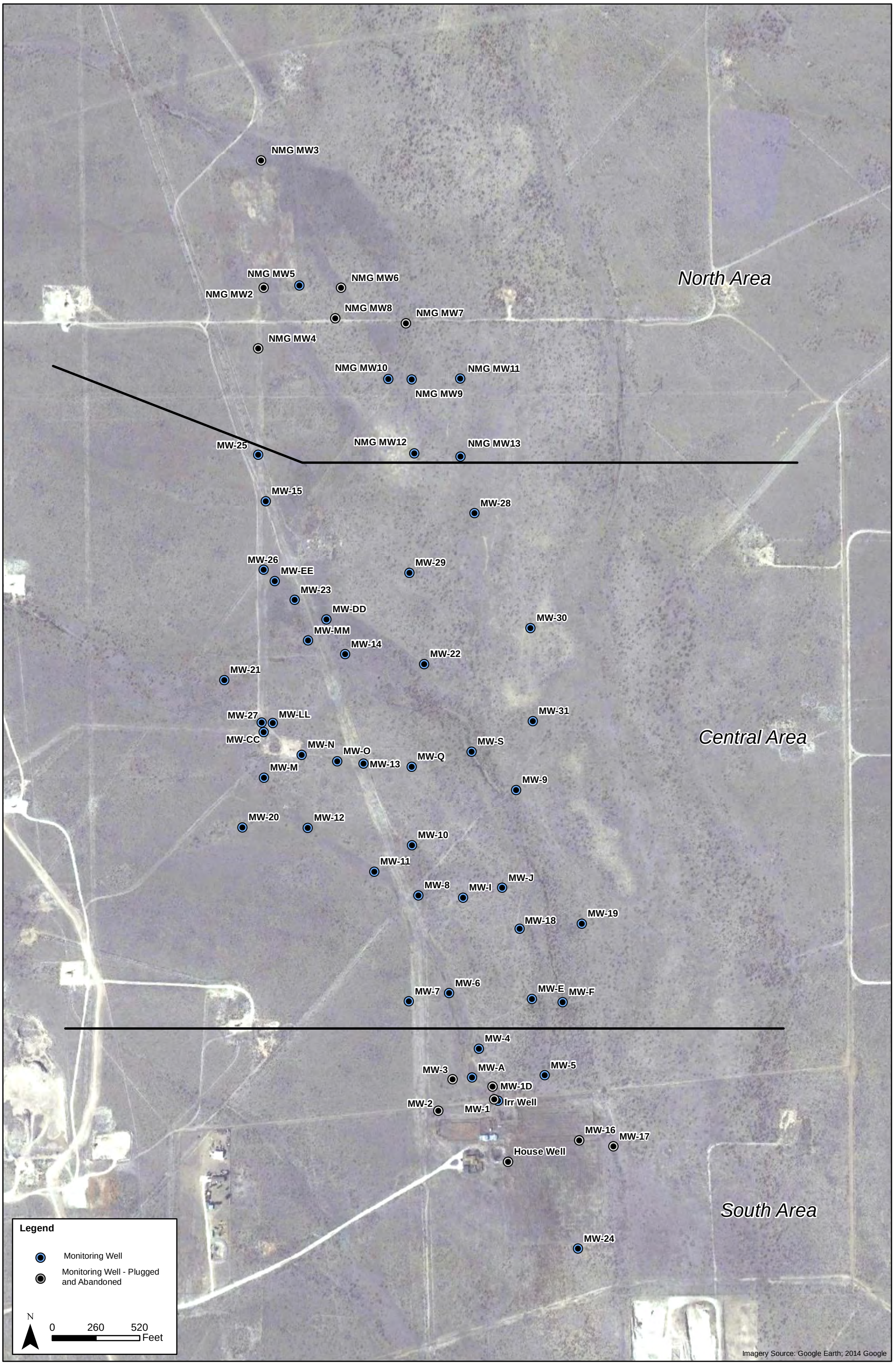
Figures

N

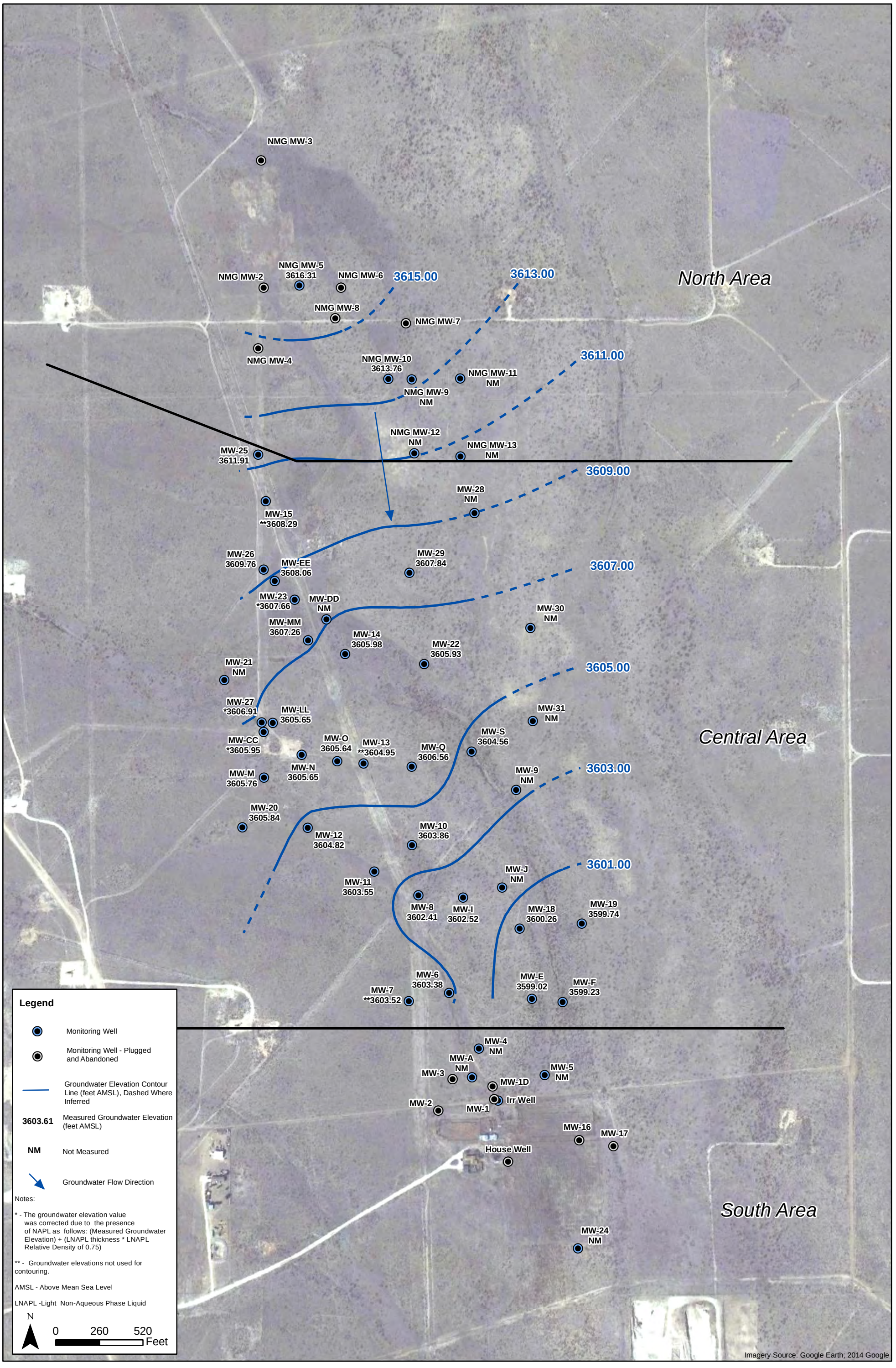




DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences, Inc.** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCPMidstream** **Eldridge Ranch** Unit P, Section 21, Township 19 South, Range 37 East Lea County, New Mexico	Site Location Map	Figure 1



DATE: October 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	TASMAN GEOSCIENCES Tasman Geosciences, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Eldridge Pipeline Release** 2019 Annual Groundwater Monitoring Summary Report	Site Map with Monitoring Well Locations	Figure 2



Legend

- Monitoring Well
- Monitoring Well - Plugged and Abandoned
- Groundwater Elevation Contour Line (feet AMSL), Dashed Where Inferred
- 3603.61 — Measured Groundwater Elevation (feet AMSL)
- NM — Not Measured
- Groundwater Flow Direction

Notes:

* - The groundwater elevation value was corrected due to the presence of NAPL as follows: (Measured Groundwater Elevation) + (LNAPL thickness * LNAPL Relative Density of 0.75)

** - Groundwater elevations not used for contouring.

AMSL - Above Mean Sea Level

LNAPL -Light Non-Aqueous Phase Liquid

N

0 260 520 Feet

DATE: October 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	Tasman Geosciences, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Eldridge Pipeline Release** 2019 Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (June 10, 2019)	Figure 3

NMG MW-3

NMG MW-2

NMG MW-5
0.00234

NMG MW-6

North Area

NMG MW-7

NMG MW-8

NMG MW-4

NMG MW-9
NS

NMG MW-11
NS

NMG MW-10
0.000532 J

MW-25
<0.0010

NMG MW-12
NS

NMG MW-13
NS

MW-15
NS

MW-28
NS

MW-26
1.84

MW-29
<0.0010

MW-23
(0.45)

MW-EE
0.0318
(0.0245 Dup)

MW-DD
NS

MW-30
NS

MW-14
<0.0010

MW-22
<0.0010

MW-MM
0.0713

MW-21
NS

MW-LL
0.159
(0.162 Dup)

MW-27
(0.50)

MW-31
NS

MW-CC
(0.45)

MW-N
5.21

MW-13
NS

MW-S
<0.0010

Central Area

MW-M
0.176

MW-O
1.41

MW-Q
<0.0010

MW-9
NS

MW-12
2.51

MW-10
<0.0010

MW-20
<0.0010

MW-11
0.286
(0.305 Dup)

MW-J
NS

MW-8
0.000634 J

MW-I
<0.0010

MW-18
<0.0010

MW-19
<0.0010

MW-7
NS

MW-6
<0.0010

MW-E
0.000515 J

MW-F
<0.0010

MW-A
NS

MW-4
NS

MW-5
NS

MW-3

MW-1D

Irr Well
NS

MW-1

MW-2

MW-16

MW-17

House Well

South Area

MW-24
NS

Legend

- Monitoring Well
- Monitoring Well Containing Free-Phase Hydrocarbon
- Monitoring Well - Plugged and Abandoned
- LNAPL Contour
- >=1.0 mg/L Benzene Concentration
- >=0.10 mg/L Benzene Concentration
- >=0.01 mg/L Benzene Concentration
- (0.50) LNAPL Thickness (feet)
- 1.26 Benzene Concentration in mg/L
- NS Not Sampled

Notes:

<0.010 - Benzene concentration is below New Mexico Water Quality Control Commission Groundwater Standards (mg/L)

The New Mexico Water Quality Control Comission standard for benzene in groundwater is 0.01 mg/L

mg/L - milligrams per liter

LNAPL - Light Non-Aqueous Phase Liquid
J- The reported result is an estimate.The value is less than the minimum calibration level but greater than the estimated detection limit (EDL)

N

0 265 530 Feet

Imagery Source: Google Earth; 2014 Google

DATE: October 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	TASMAN GEOSCIENCES Tasman Geosciences, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Eldridge Pipeline Release** 2019 Annual Groundwater Monitoring Summary Report	Benzene Isoconcentration Contour Map (June 10 - 12, 2019)	Figure 4

Appendix A

Historical Analytical Results

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-1	9/14/2011	0.0031	<0.002	0.0194	0.0075	
MW-1	3/6/2012	0.0027	<0.002	<0.002	<0.004	
MW-1	9/7/2012	0.0023	<0.002	0.0156	<0.003	
MW-1	2/21/2013	0.0021	<0.002	0.0153	<0.003	
MW-1	9/13/2013	0.0019	<0.002	0.0126	<0.003	
MW-1	2/27/2014	0.0015	<0.002	0.0111	<0.003	
MW-1	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-1	2/26/2015	<0.005	<0.005	0.011	<0.015	
MW-1	9/2/2015	<0.005	<0.005	0.011	<0.015	
MW-1	3/23/2016	<0.0050	<0.0050	0.0075	<0.015	
MW-1	9/27/2016	<0.0010	<0.0010	0.01	0.0033	
MW-1	3/8/2017	0.0011	<0.0010	0.0076	<0.0010	
MW-1	9/27/2017	0.00103	<0.0010	0.00594	<0.0030	
MW-1	3/12/2018	Plugged and Abandoned				
MW-1D	9/14/2011	<0.001	<0.002	0.0005	<0.004	
MW-1D	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-1D	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-1D	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-1D	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-1D	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-1D	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-1D	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-1D	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-1D	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1D	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1D	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-1D	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1D	3/12/2018	Plugged and Abandoned				
MW-2	9/24/2014	Well Not on Sampling Plan				
MW-2	3/12/2018	Plugged and Abandoned				
MW-3	9/7/2012	NS	NS	NS	NS	
MW-3	2/21/2013	NS	NS	NS	NS	
MW-3	2/27/2014	Well was gauged not sampled				
MW-3	9/24/2014	Well Not on Sampling Plan				
MW-3	3/12/2018	Plugged and Abandoned				

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HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-4	9/14/2011	0.0011	<0.004	0.0968	0.291	
MW-4	3/6/2012	0.00033	<0.002	0.0407	0.397	
MW-4	9/7/2012	0.00059	0.0012	0.078	0.29	
MW-4	2/21/2013	0.00049	<0.002	0.0802	0.244	
MW-4	9/13/2013	0.00041	<0.002	0.0695	0.22	
MW-4	2/27/2014	0.00046 J	<0.002	0.047	0.147	
MW-4	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-4	2/26/2015	<0.005	<0.005	0.053	0.14	
MW-4	9/2/2015	<0.005	<0.005	0.057	0.15	
MW-4	3/23/2016	<0.0050	<0.0050	0.036	0.091	
MW-4	9/27/2016	0.0062	0.0084	0.053	0.1	
MW-4	3/8/2017	<0.0050	<0.0050	<0.0050	0.075	
MW-4	9/27/2017	<0.0010	<0.0010	0.0229	0.0632	
MW-4	9/12/2018	Well Not on Sampling Plan				
MW-5	9/14/2011	0.00028	<0.002	0.0091	0.0314	
MW-5	3/6/2012	<0.001	<0.002	0.0095	0.0351	
MW-5	9/7/2012	0.00034	<0.002	0.0073	0.0253	
MW-5	2/21/2013	0.00045	<0.002	0.0068	0.0242	
MW-5	9/13/2013	<0.001	<0.002	0.0068	0.0267	
MW-5	2/27/2014	<0.001	<0.002	0.0052	0.0181	
MW-5	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-5	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-5	9/2/2015	<0.001	<0.001	0.0017	0.006	
MW-5	3/23/2016	<0.0010	<0.0010	0.003	0.011	
MW-5	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-5	3/8/2017	<0.0010	<0.0010	<0.0010	0.002	
MW-5	9/27/2017	<0.0010	<0.0010	0.000572 J	0.0015 J	
MW-5	9/12/2018	Well Not on Sampling Plan				
MW-6	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-6	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-6	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-6	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-6	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-6	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-6	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-6	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-6	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-6	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-6	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-6	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	9/7/2012	NS	NS	NS	NS	
MW-7	2/21/2013	NS	NS	NS	NS	
MW-7	2/27/2014	Well was gauged not sampled				
MW-7	9/24/2014	Well Not on Sampling Plan				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-8	9/14/2011	**0.0117**	<0.004	0.0659	0.136	
MW-8	3/8/2012	0.0085	<0.002	0.0473	0.121	Duplicate C sample collected
MW-8	9/6/2012	0.0029	<0.002	0.131	0.344	Duplicate C sample collected
MW-8	2/20/2013	0.0024	<0.002	0.0375	0.0966	
MW-8	9/12/2013	0.0013	<0.002	0.0216	0.0642	
MW-8	2/27/2014	0.0014	<0.002	0.0323	0.0887	
MW-8 (duplicate)	9/25/2014	0.00084 J	<0.001	0.0216	0.0535	Duplicate C sample collected
MW-8	9/25/2014	0.00091 J	<0.001	0.0232	0.058	
MW-8	2/26/2015	<0.005	<0.005	0.023	0.054	
MW-8	9/3/2015	<0.005	<0.005	0.016	0.039	
MW-8	3/22/2016	<0.0050	<0.0050	0.014	<0.015	
MW-8	9/27/2016	0.0052	0.0058	0.012	<0.015	
MW-8	3/8/2017	<0.0010	<0.0010	0.0055	0.0098	
MW-8	9/27/2017	0.00224	0.00111	0.0101	0.0136	
MW-8	9/13/2018	0.00121	<0.0010	0.00481	0.00604	
MW-8	6/11/2019	0.000634 J	<0.0010	0.00198	0.00216 J	
MW-9	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-9	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-9	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-9	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-9	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-9	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-9	Removed in 1H14					
MW-10	9/14/2011	**0.0202**	<0.002	0.0041	0.0044	
MW-10	3/8/2012	0.0078	<0.002	0.00086	<0.004	
MW-10	9/6/2012	**0.0102**	<0.002	0.0012	<0.003	
MW-10	2/20/2013	0.0044	<0.002	<0.002	<0.003	
MW-10	9/12/2013	0.0049	<0.002	<0.002	<0.003	
MW-10	2/27/2014	0.0046	<0.002	0.00026 J	<0.003	
MW-10	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-10	2/26/2015	<0.005	<0.005	<0.005	<0.015	
MW-10	9/2/2015	<0.005	<0.005	<0.005	<0.015	
MW-10	3/22/2016	<0.0050	<0.0050	<0.0050	<0.015	
MW-10	9/27/2016	<0.0010	<0.0010	<0.0010	<0.003	
MW-10	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-10	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-10	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-10	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-11	9/14/2011	**3.52**	<0.20	0.37	0.403	
MW-11	3/8/2012	**2.01**	<0.20	0.17	<0.40	
MW-11	9/6/2012	**1.85**	<0.05	0.139	0.0774	
MW-11	2/20/2013	**2.04**	<0.05	0.102	<0.075	
MW-11	9/12/2013	**2.41**	<0.040	0.113	0.0635	
MW-11	2/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	
MW-11	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-11	2/26/2015	**0.84**	<0.005	0.33	0.52	
MW-11	9/2/2015	**0.67**	<0.005	0.27	0.37	
MW-11	3/22/2016	**0.78**	<0.0050	0.16	0.23	
MW-11	9/27/2016	**0.45**	0.0013	<0.0010	0.18	
MW-11	3/8/2017	**0.77**	0.0018	0.14	0.16	
MW-11	9/27/2017	**0.730**	0.000862 J	0.203	0.251	Duplicate #3 sample collected
MW-11 (Duplicate)	9/27/2017	**0.599**	0.000805 J	0.217	0.226	
MW-11	9/13/2018	**0.321**	<0.0100	0.0865	0.0606	Duplicate A sample collected
MW-11 (Duplicate)	9/13/2018	**0.329**	0.000705 J	0.115	0.0844	
MW-11	6/11/2019	**0.286**	0.00479 J	0.0574	0.0288 J	Duplicate A sample collected
MW-11 (Duplicate)	6/11/2019	**0.305**	0.000457 J	0.0511	0.0233	
MW-12	9/14/2011	**9.51**	<0.20	0.307	<0.40	
MW-12	3/8/2012	**17**	<0.20	0.71	<0.40	
MW-12	9/6/2012	**7.12**	<0.20	0.337	<0.30	
MW-12	2/20/2013	**3.1**	<0.10	0.187	<0.15	
MW-12	9/12/2013	**3.29**	<0.10	0.235	<0.15	Duplicate A sample collected
MW-12	2/27/2014	**1.02**	<0.10	0.126	<0.15	Duplicate C sample collected
MW-12 (duplicate)	2/27/2014	**1.25**	<0.002	0.18	0.0133	
MW-12	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-12	2/25/2015	**3.5**	<0.005	0.24	0.089	Duplicate C Sample Collected
MW-12 (Duplicate)	2/25/2015	**3.4**	<0.005	0.23	0.1	
MW-12	9/2/2015	**3.8**	<0.005	0.23	0.02	Duplicate B Sample Collected
MW-12 (Duplicate)	9/2/2015	**5.7**	<0.005	0.21	0.02	
MW-12	3/22/2016	**3.9**	<0.0050	0.2	<0.015	Duplicate B Sample Collected
MW-12 (Duplicate)	3/22/2016	**4.1**	<0.0050	0.21	<0.015	
MW-12	9/27/2016	**3.9**	<0.0010	0.17	0.013	Duplicate B Sample Collected
MW-12 (Duplicate)	9/27/2016	**3.1**	<0.0010	0.16	<0.030	
MW-12	3/8/2017	**4.7**	<0.0050	0.25	0.012	
MW-12	9/27/2017	**5.81**	<0.0010	0.206	0.00542	
MW-12	9/14/2018	**3.54**	<0.050	0.168	<0.150	
MW-12	6/11/2019	**2.51**	<0.050	0.289	<0.150	
MW-13	9/24/2014	Well Not on Sampling Plan				

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BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-14	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-14	3/8/2012	<0.001	<0.002	<0.002	<0.004	
MW-14	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-14	2/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-14	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-14	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-14	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-14	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-14	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-14	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-14	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	6/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-15	9/24/2014	Well Not on Sampling Plan				
MW-16	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-16	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-16	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-16	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-16	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-16	Removed in 2H13					
MW-16	3/12/2018	Plugged and Abandoned				
MW-17	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-17	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-17	9/7/2012	NS	NS	NS	NS	
MW-17	2/22/2013	<0.001	<0.002	<0.002	<0.003	
MW-17	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-17	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-17	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-17	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-17	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-17	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-17	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	3/12/2018	Plugged and Abandoned				

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-18	9/14/2011	0.0019	<0.002	0.0053	0.0073	
MW-18	3/8/2012	0.00038	<0.002	0.0012	<0.004	
MW-18	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-18	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-18	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-18	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-18	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-18	2/26/2015	<0.001	<0.001	0.0019	<0.003	
MW-18	9/3/2015	<0.001	<0.001	<0.001	0.0031	
MW-18	3/22/2016	<0.0010	<0.0010	0.0029	0.0042	
MW-18	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-18	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-19	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-19	9/7/2012	0.00032	<0.002	<0.002	<0.003	
MW-19	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-19	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-19	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-19	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-19	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-19	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-19	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-20	3/8/2012	NS	NS	NS	NS	
MW-20	9/7/2012	NS	NS	NS	NS	
MW-20	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-20	9/13/2013	NS	NS	NS	NS	
MW-20	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-20	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-20	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-20	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-20	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-20	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-21	2/27/2014	0.00059 J	<0.002	0.00072 J	<0.003	
MW-21	9/24/2014	Well Not on Sampling Plan				

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-22	9/14/2011	NS	NS	NS	NS	
MW-22	3/8/2012	NS	NS	NS	NS	
MW-22	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-22	2/19/2013	NS	NS	NS	NS	
MW-22	9/13/2013	NS	NS	NS	NS	
MW-22	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-22	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-22	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-22	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-22	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-22	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-23	9/14/2011	**0.0588**	<0.004	0.121	<0.008	Duplicate B sample collected
MW-23	3/8/2012	**0.0505**	<0.002	0.127	0.0034	
MW-23	9/6/2012	**0.029**	<0.002	0.094	0.0032	
MW-23	2/19/2013	**0.0509**	<0.002	0.0698	0.0024	
MW-23	9/12/2013	**0.0418**	<0.002	0.0392	<0.003	
MW-23	2/26/2014	**0.0382**	<0.002	0.0208	<0.003	
MW-23	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-23	2/25/2015	0.0061	<0.005	<0.005	<0.015	Duplicate B Sample Collected
MW-23 (Duplicate)	2/25/2015	<0.005	<0.005	<0.005	<0.015	
MW-23	9/2/2015	<0.005	<0.005	<0.005	<0.015	Duplicate C Sample Collected
MW-23 (Duplicate)	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-23	3/22/2016	<0.0050	<0.0050	<0.0050	<0.015	Duplicate C Sample Collected
MW-23 (Duplicate)	3/22/2016	**3.9**	<0.0050	0.21	<0.015	
MW-23	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	Duplicate C Sample Collected
MW-23 (Duplicate)	9/27/2016	<0.0050	<0.0050	0.011	<0.015	
MW-23	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-23	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-23	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-23	6/10/2019	LNAPL				
MW-24	9/14/2011	0.00051	<0.002	<0.002	<0.004	
MW-24	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-24	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-24	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-24	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-24	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-24	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-24	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-24	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-24	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-24	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-24	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-24	9/13/2018	Well Not on Sampling Plan				

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-25	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-25	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-25	9/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-25	2/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-25	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-25	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-25	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-25	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-25	3/22/2016	0.0019	0.0081	0.0011	0.0082	
MW-25	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-25	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-25	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-25	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-25	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-26	9/14/2011	NS	NS	NS	NS	
MW-26	3/8/2012	NS	NS	NS	NS	
MW-26	9/7/2012	NS	NS	NS	NS	
MW-26	2/19/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-26	9/12/2013	LNAPL	LNAPL	LNAPL	LNAPL	
MW-26	2/26/2014	LNAPL	LNAPL	LNAPL	LNAPL	
MW-26	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-26	2/25/2015	**16**	**29**	**0.75**	**2.4**	
MW-26	9/2/2015	**12**	**15**	0.47	**1.5**	
MW-26	3/22/2016	**1.4**	**1.4**	0.11	0.39	
MW-26	9/27/2016	**3.5**	**15**	0.51	**2.9**	
MW-26	3/8/2017	**6**	**10**	0.41	**1.7**	Duplicate #1 sample collected
MW-26 (Duplicate)	3/8/2017	**7.9**	**12**	0.4	**1.7**	
MW-26	9/27/2017	**6.99**	**21.7**	0.625	**2.98**	
MW-26	9/14/2018	**0.359**	0.148	0.0175	0.0347	
MW-26	6/12/2019	**1.84**	0.914	0.0681	0.175	
MW-27	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-27	2/25/2015	LNAPL				
MW-27	9/2/2015	LNAPL				
MW-27	3/22/2016	LNAPL				
MW-27	9/27/2016	LNAPL				
MW-27	3/8/2017	LNAPL				
MW-27	9/27/2017	LNAPL				
MW-27	9/13/2017	LNAPL				
MW-27	6/10/2019	LNAPL				
MW-28	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-28	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-28	9/5/2012	<0.001	<0.002	<0.002	<0.003	
MW-28	2/19/2013	<0.001	<0.002	<0.002	<0.003	
MW-28	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-28	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-28	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-28	Removed 1H15					

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NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-29	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-29	3/7/2012	0.00028	<0.002	<0.002	<0.004	
MW-29	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-29	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-29	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-29	2/26/2014	<0.001	<0.002	<0.002	<0.003	
MW-29	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-29	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-29	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-29	3/22/2016	<0.0010	0.0028	<0.0010	<0.0030	
MW-29	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-29	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-29	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-29	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-29	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-30	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-30	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-30	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-30	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-30	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-30	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-30	Removed in 1H14					
MW-31	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-31	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-31	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-31	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-31	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-31	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-31	Removed in 1H14					
House Well	9/14/2011	0.0088	<0.002	0.00074	<0.004	Duplicate C sample collected
House Well	3/6/2012	0.00044	<0.002	<0.002	<0.004	
House Well	9/6/2012	<0.001	<0.002	<0.002	<0.003	
House Well	2/21/2013	<0.001	<0.002	<0.002	<0.003	
House Well	9/12/2013	0.00027	<0.002	<0.002	<0.003	
House Well	2/27/2014	<0.001	<0.002	<0.002	<0.003	
House Well	9/24/2014	Well Not Sampled due to Inclement Weather				
House Well	2/26/2015	<0.001	<0.001	<0.001	<0.003	
House Well	9/3/2015	<0.001	<0.001	<0.001	<0.003	
House Well	3/23/2016	<0.0010	<0.0010	<0.0010	<0.0030	
House Well	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
House Well	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
House Well	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
House Well	3/12/2018	Plugged and Abandoned				

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
Irrigation Well	9/14/2011	0.0049	<0.002	0.0167	0.0236	
Irrigation Well	3/6/2012	0.0017	<0.002	0.0108	0.0158	Duplicate A sample collected
Irrigation Well	9/6/2012	0.0048	<0.002	0.015	0.0114	Duplicate A sample collected
Irrigation Well	2/21/2013	0.0027	<0.002	0.0117	0.0116	
Irrigation Well	9/12/2013	0.0027	<0.002	0.0057	<0.003	Duplicate C sample collected
Irrigation Well	2/27/2014	0.0033	<0.002	0.0149	0.0029 J	
Irrigation Well	9/25/2014	0.0025	<0.001	0.0077	0.0014	Duplicate B Sample Collected
Irrigation Well (Duplicate)	9/25/2014	0.0014	<0.001	0.0031	0.00097 J	
Irrigation Well	2/26/2015	<0.001	<0.001	<0.001	<0.003	
Irrigation Well	9/2/2015	0.0022	<0.001	0.0089	0.0036	
Irrigation Well	3/23/2016	NS	NS	NS	NS	
Irrigation Well	9/27/2016	<0.005	<0.005	<0.005	<0.015	
Irrigation Well	3/8/2017	<0.0010	<0.0010	0.0021	0.0026	
Irrigation Well	9/27/2017	0.000482 J	<0.0010	0.00241	0.00227 J	
Irrigation Well	9/13/2018	Well Not on Sampling Plan				
MW-A	9/14/2011	0.001	<0.002	0.0753	0.217	
MW-A	3/6/2012	0.00073	<0.002	0.081	0.222	
MW-A	9/7/2012	0.00087	<0.002	0.076	0.206	
MW-A	2/21/2013	0.00077	<0.002	0.0713	0.189	Duplicate A sample collected
MW-A	9/13/2013	<0.0010	<0.002	0.0732	0.179	
MW-A	2/27/2014	0.00029 J	<0.002	0.0636	0.151	
MW-A	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-A	2/26/2015	<0.001	<0.001	0.05	0.13	
MW-A	9/2/2015	<0.001	<0.001	0.042	0.1	
MW-A	3/23/2016	<0.0010	<0.0010	0.044	0.097	
MW-A	9/27/2017	<0.0050	<0.0050	0.035	0.075	
MW-A	3/8/2017	<0.0010	<0.0010	<0.0010	0.0063	
MW-A	9/27/2017	<0.0010	<0.0010	0.0299	0.0536	
MW-A	9/13/2018	Well Not on Sampling Plan				
MW-E	9/14/2011	0.0043	<0.002	0.00097	<0.004	
MW-E	3/7/2012	0.0025	<0.002	<0.002	<0.004	
MW-E	9/7/2012	0.0018	<0.002	<0.002	<0.003	
MW-E	2/21/2013	0.0027	<0.002	<0.002	<0.003	
MW-E	9/13/2013	0.0015	<0.002	<0.002	<0.003	
MW-E	2/27/2014	0.0016	<0.002	<0.002	<0.003	
MW-E	9/25/2014	0.0067	<0.001	0.0027	0.0151	
MW-E	2/26/2015	0.0038	<0.001	<0.001	<0.003	
MW-E	9/3/2015	0.0084	<0.001	<0.001	<0.003	
MW-E	3/22/2016	0.0012	<0.0010	<0.0010	<0.0030	
MW-E	9/27/2017	0.0088	<0.0010	<0.0010	<0.0030	
MW-E	3/8/2017	0.0016	<0.0010	<0.0010	<0.0010	
MW-E	9/27/2017	0.00197	<0.0010	<0.0010	<0.0030	
MW-E	9/13/2018	0.000890 J	<0.0010	<0.0010	<0.0030	
MW-E	6/11/2019	0.000515 J	<0.0010	<0.0010	<0.0030	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-F	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-F	3/7/2012	<0.001	<0.002	<0.002	<0.004	
MW-F	9/7/2012	<0.001	<0.002	<0.002	<0.003	
MW-F	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-F	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-F	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-F	9/25/2014	<0.001	<0.001	<0.001	<0.001	
MW-F	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-F	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-F	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-F	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-F	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-F	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-F	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-F	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	9/14/2011	0.00082	<0.002	<0.002	<0.004	
MW-I	3/6/2012	0.00068	<0.002	<0.002	<0.004	
MW-I	9/6/2012	0.00043	<0.002	<0.002	<0.003	
MW-I	2/21/2013	0.00035	<0.002	<0.002	<0.003	
MW-I	9/13/2013	0.00028	<0.002	<0.002	<0.003	
MW-I	2/27/2014	0.00033 J	<0.002	<0.002	<0.003	
MW-I	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-I	2/26/2015	<0.001	<0.001	<0.001	<0.003	
MW-I	9/3/2015	<0.001	<0.001	<0.001	<0.003	
MW-I	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-I	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-I	6/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-J	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-J	3/6/2012	<0.001	<0.002	<0.002	<0.004	
MW-J	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-J	2/21/2013	<0.001	<0.002	<0.002	<0.003	
MW-J	9/13/2013	<0.001	<0.002	<0.002	<0.003	
MW-J	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-J	Removed in 2H13					

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-M	9/14/2011	**8.53**	<0.20	0.347	0.214	
MW-M	3/8/2012	**3.72**	<0.20	0.296	<0.40	
MW-M	9/6/2012	**1.27**	<0.10	0.188	0.107	
MW-M	2/20/2013	**0.647**	<0.02	0.192	0.087	
MW-M	9/12/2013	**0.313**	<0.01	0.184	0.0417	
MW-M	2/27/2014	**0.205**	<0.01	0.171	0.0271	
MW-M	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-M	2/25/2015	**7.5**	**2.2**	0.37	**0.8**	
MW-M	9/2/2015	**6.6**	**0.13**	0.4	0.24	
MW-M	3/22/2016	**5.3**	0.012	0.45	0.084	
MW-M	9/27/2016	**2.8**	<0.010	0.39	<0.03	
MW-M	3/8/2017	**3**	0.031	0.4	0.027	
MW-M	9/27/2017	**2.48**	0.000593 J	0.438	0.0143	
MW-M	9/14/2018	**1.08**	<0.050	0.293	<0.150	
MW-M	6/11/2019	**0.176**	<0.050	0.236	<0.150	
MW-N	9/14/2011	**15**	**0.982**	0.315	0.38	
MW-N	3/8/2012	**15.4**	**2.21**	0.417	0.414	
MW-N	9/6/2012	**13.7**	**3.47**	0.603	**2**	
MW-N	2/20/2013	**14.9**	0.173	0.282	0.0714	Duplicate B sample collected
MW-N	9/12/2013	LNAPL				
MW-N	2/27/2014	LNAPL				
MW-N	9/24/2014	**15.4**	**4.18**	0.637	**1.5**	
MW-N	2/25/2015	LNAPL				
MW-N	9/2/2015	**4.6**	**0.81**	0.49	**0.94**	
MW-N	3/22/2016	**5.5**	**0.95**	0.46	**0.78**	
MW-N	9/27/2017	LNAPL				
MW-N	3/8/2017	LNAPL				
MW-N	9/27/2017	LNAPL				
MW-N	9/13/2018	LNAPL				
MW-N	6/12/2019	**5.21**	<0.100	0.442	**1.06**	
MW-O	9/14/2011	**6.93**	0.0022	0.244	<0.004	
MW-O	3/8/2012	**7.61**	<0.20	0.195	<0.40	
MW-O	9/6/2012	**8.04**	<0.10	0.185	<0.15	
MW-O	2/20/2013	**10.5**	<0.10	0.131	<0.15	
MW-O	9/12/2013	**8.27**	<0.20	0.121	<0.30	
MW-O	2/27/2014	**8.72**	<0.10	0.0685 J	<0.15	Duplicate B sample collected
MW-O (duplicate)	2/27/2014	**8.86**	<0.01	0.0861	<0.015	
MW-O	9/24/2014	**5.41**	<0.05	0.0514	<0.05	
MW-O	2/25/2015	**2.5**	<0.005	0.14	0.018	
MW-O	9/2/2015	**3**	<0.005	0.15	<0.015	
MW-O	3/22/2016	**2.4**	<0.0050	0.17	<0.015	
MW-O	9/27/2017	**2.4**	<0.0050	0.088	<0.015	
MW-O	3/8/2017	**1.9**	<0.0050	0.064	<0.0050	Duplicate #2 sample collected
MW-O (Duplicate)	3/8/2017	**1.6**	<0.0100	0.099	<0.010	
MW-O	9/27/2017	**1.50**	<0.0500	0.0724	0.00152	
MW-O	9/14/2018	**1.26**	<0.050	<0.050	<0.150	
MW-O	6/12/2019	**1.41**	<0.050	0.0263 J	<0.150	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-Q	9/14/2011	**0.896**	<0.002	0.0108	<0.004	
MW-Q	3/8/2012	**0.814**	<0.02	<0.02	<0.04	
MW-Q	9/6/2012	**0.738**	<0.002	0.0062	<0.003	
MW-Q	2/20/2013	**0.75**	<0.01	0.0017	<0.015	
MW-Q	9/12/2013	**0.53**	<0.01	0.0015	<0.015	
MW-Q	2/27/2014	**0.0707**	<0.002	0.00097 J	<0.003	
MW-Q	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-Q	2/25/2015	0.0024	<0.001	<0.001	<0.003	
MW-Q	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-Q	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-Q	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-Q	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-Q	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-Q	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-Q	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	9/14/2011	<0.001	<0.002	<0.002	<0.004	
MW-S	3/8/2012	<0.001	<0.002	<0.002	<0.004	
MW-S	9/6/2012	<0.001	<0.002	<0.002	<0.003	
MW-S	2/20/2013	<0.001	<0.002	<0.002	<0.003	
MW-S	9/12/2013	<0.001	<0.002	<0.002	<0.003	
MW-S	2/27/2014	<0.001	<0.002	<0.002	<0.003	
MW-S	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-S	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-S	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-S	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-S	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-S	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0030	
MW-CC	4/25/2011	LNAPL				
MW-CC	9/14/2011	LNAPL				
MW-CC	3/8/2012	LNAPL				
MW-CC	9/6/2012	LNAPL				
MW-CC	2/19/2013	LNAPL				
MW-CC	9/13/2013	LNAPL				
MW-CC	2/27/2014	LNAPL				
MW-CC	9/24/2014	LNAPL				
MW-CC	2/25/2015	LNAPL				
MW-CC	9/2/2015	LNAPL				
MW-CC	3/22/2016	LNAPL				
MW-CC	9/27/2016	LNAPL				
MW-CC	3/8/2017	LNAPL				
MW-CC	9/27/2017	LNAPL				
MW-CC	9/13/2018	LNAPL				
MW-CC	6/10/2019	LNAPL				

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-EE	9/14/2011	**0.447**	<0.002	0.0089	0.0041	Duplicate A sample collected
MW-EE	3/8/2012	**0.0735**	<0.002	0.0011	<0.004	
MW-EE	9/6/2012	**0.0964**	<0.002	0.0011	<0.003	
MW-EE	2/19/2013	**0.424**	<0.002	0.0024	0.0022	
MW-EE	9/12/2013	**1.11**	<0.01	0.0021	<0.015	
MW-EE	2/26/2014	**1.21**	<0.02	<0.02	<0.03	Duplicate A sample collected
MW-EE (duplicate)	2/26/2014	**1.43**	<0.05	<0.05	<0.075	
MW-EE	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-EE	2/25/2015	**0.21**	<0.005	<0.005	<0.015	
MW-EE	9/2/2015	**0.12**	<0.001	<0.001	<0.003	
MW-EE	3/22/2016	**0.37**	<0.0010	<0.0010	<0.0030	
MW-EE	9/27/2016	**0.041**	<0.0010	<0.0010	<0.0030	
MW-EE	3/8/2017	**0.02**	<0.0010	<0.0010	<0.0010	
MW-EE	9/27/2017	**0.0148**	<0.0010	<0.0010	<0.0030	Duplicate #1 sample collected
MW-EE (Duplicate)	9/27/2017	**0.0122**	<0.0010	<0.0010	<0.0030	
MW-EE	9/14/2018	**0.0167**	<0.0010	<0.0010	<0.0030	Duplicate C sample collected
MW-EE (Duplicate)	9/14/2018	**0.0139**	<0.0010	<0.0010	<0.0030	
MW-EE	6/11/2019	**0.0318**	0.00228	<0.0010	<0.0030	Duplicate B sample collected
MW-EE (Duplicate)	6/11/2019	**0.0245**	0.00224	<0.0010	<0.0030	
MW-LL	9/14/2011	**1.23**	0.0066	0.0531	0.0202	
MW-LL	3/8/2012	**1.42**	<0.02	0.0642	<0.04	
MW-LL	9/6/2012	**0.523**	<0.002	0.0261	0.0024	
MW-LL	2/20/2013	**0.778**	<0.01	0.0482	<0.015	
MW-LL	9/12/2013	**0.403**	<0.01	0.0237	<0.015	
MW-LL	2/27/2014	**0.491**	<0.01	0.0214	<0.015	
MW-LL	9/24/2014	Well Not Sampled due to Inclement Weather				
MW-LL	2/25/2015	**0.59**	0.24	0.11	0.21	
MW-LL	9/2/2015	**0.53**	0.034	0.11	0.15	
MW-LL	3/22/2016	**0.35**	<0.0050	0.076	0.066	
MW-LL	9/27/2016	**0.37**	0.13	0.058	0.076	
MW-LL	3/8/2017	**0.29**	<0.0050	0.089	0.067	Duplicate #3 sample collected
MW-LL (Duplicate)	3/8/2017	**0.3**	0.002	0.086	0.066	
MW-LL	9/27/2017	**0.235**	0.0135	0.0892	0.932	Duplicate #2 sample collected
MW-LL (Duplicate)	9/27/2017	**0.309**	0.0158	0.0942	0.0986	
MW-LL	9/14/2018	**0.232**	<0.0050	0.0551	<0.0150	Duplicate B sample collected
MW-LL (Duplicate)	9/14/2018	**0.172**	0.000458 J	0.0597	0.00408	
MW-LL	6/11/2019	**0.159**	<0.0050	0.0421	<0.0150	Duplicate C sample collected
MW-LL (Duplicate)	6/11/2019	**0.162**	0.000563 J	0.0438	0.00206 J	

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NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-MM	9/14/2011	0.0082	<0.002	0.022	<0.004	
MW-MM	3/8/2012	0.0032	<0.002	0.0053	<0.004	
MW-MM	9/6/2012	0.002	<0.002	0.0041	<0.003	
MW-MM	2/19/2013	0.0015	<0.002	0.00083	<0.003	
MW-MM	9/12/2013	0.00088	<0.002	<0.002	<0.003	
MW-MM	2/26/2014	0.00051 J	<0.002	<0.002	<0.003	
MW-MM	9/24/2014	<0.001	<0.001	<0.001	<0.001	
MW-MM	2/25/2015	<0.001	<0.001	<0.001	<0.003	
MW-MM	9/2/2015	<0.001	<0.001	<0.001	<0.003	
MW-MM	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-MM	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
MW-MM	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
MW-MM	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
MW-MM	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
MW-MM	6/10/2019	**0.0713**	<0.0010	0.000511 J	<0.0030	
NMG-MW-2	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-2	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-2	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	2/20/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-2	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-2	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-2	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-2	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-2	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-2	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-2	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-2	3/9/2018	Plugged and Abandoned				
NMG-MW-3	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-3	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-3	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	2/20/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-3	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-3	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-3	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-3	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-3	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-3	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-3	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-3	3/9/2018	Plugged and Abandoned				

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
NMG-MW-4	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-4	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-4	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-4	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-4	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-4	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-4	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-4	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-4	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-4	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-4	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-4	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-4	3/9/2018	Plugged and Abandoned				
NMG-MW-5	9/14/2011	**0.0375**	<0.004	0.135	<0.008	
NMG-MW-5	3/7/2012	0.0039	<0.002	0.229	<0.004	
NMG-MW-5	9/5/2012	0.00083	<0.002	0.153	<0.003	
NMG-MW-5	2/19/2013	0.0012	<0.002	0.0608	<0.003	
NMG-MW-5	9/12/2013	0.0047	<0.002	0.0321	<0.003	
NMG-MW-5	2/26/2014	**0.0206**	<0.002	0.0034	<0.003	
NMG-MW-5	9/24/2014	**0.0542**	<0.001	0.00034 J	0.0016	
NMG-MW-5	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-5	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-5	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-5	9/27/2016	DRY				
NMG-MW-5	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-5	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-5	9/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-5	6/10/2019	0.00234	<0.0010	<0.0010	0.00123 J	
NMG-MW-6	9/14/2011	0.0005	<0.002	0.0067	<0.004	
NMG-MW-6	3/7/2012	0.00062	<0.002	0.0011	<0.004	
NMG-MW-6	9/5/2012	0.00038	<0.002	0.00066	<0.003	
NMG-MW-6	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-6	9/12/2013	<0.001	<0.002	0.00034	<0.003	
NMG-MW-6	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-6	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-6	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-6	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-6	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-6	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-6	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-6	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-6	3/9/2018	Plugged and Abandoned				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
NMG-MW-7	9/14/2011	**0.0273**	<0.002	0.0154	0.013	
NMG-MW-7	3/7/2012	**0.0261**	<0.002	0.0144	0.0086	
NMG-MW-7	9/5/2012	**0.0188**	<0.002	0.0082	0.0043	
NMG-MW-7	2/20/2013	**0.0116**	<0.002	0.005	0.0032	
NMG-MW-7	9/12/2013	0.009	<0.002	0.0067	0.0023	
NMG-MW-7	2/26/2014	0.0059	<0.002	0.0055	<0.003	
NMG-MW-7	9/24/2014	0.0011	<0.001	0.00053 J	<0.001	
NMG-MW-7	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-7	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-7	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-7	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-7	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-7	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-7	3/9/2018	Plugged and Abandoned				
NMG-MW-8	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-8	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-8	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-8	9/24/2014	0.0013	<0.001	0.0194	0.052	
NMG-MW-8	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-8	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-8	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-8	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-8	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-8	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-8	3/9/2018	Plugged and Abandoned				
NMG-MW-9	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-9	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-9	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	2/19/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-9	Removed in 2H13					

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
NMG-MW-10	9/14/2011	**0.282**	<0.010	0.105	0.155	
NMG-MW-10	3/7/2012	**0.219**	<0.002	0.085	0.0993	Duplicate B sample collected
NMG-MW-10	9/5/2012	**0.192**	<0.002	0.0836	0.0895	Duplicate B sample collected
NMG-MW-10	2/19/2013	**0.187**	<0.002	0.0805	0.0706	
NMG-MW-10	9/12/2013	**0.179**	<0.002	0.0809	0.0656	Duplicate B sample collected
NMG-MW-10	2/26/2014	**0.145**	<0.01	0.0582	0.0382	
NMG-MW-10	9/24/2014	**0.0621**	<0.001	0.0119	0.0229	Duplicate A Sample Collected
NMG-MW-10	9/24/2014	**0.0593**	<0.001	0.0114	0.0217	
NMG-MW-10	2/25/2015	0.0064	<0.001	<0.001	<0.003	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	2/25/2015	0.0052	<0.001	<0.001	<0.003	
NMG-MW-10	9/2/2015	**0.018**	<0.001	0.0034	0.0052	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	9/2/2015	**0.016**	<0.001	0.0029	0.0047	
NMG-MW-10	3/22/2016	**0.012**	<0.0010	0.0028	0.0055	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	3/22/2016	**0.013**	<0.0050	<0.0050	<0.015	
NMG-MW-10	9/27/2016	0.0071	<0.0010	<0.0010	<0.0030	Duplicate A Sample Collected
NMG-MW-10 (Duplicate)	9/27/2016	0.0075	<0.0050	<0.0050	<0.015	
NMG-MW-10	3/8/2017	0.0033	<0.0010	<0.0010	<0.0010	
NMG-MW-10	9/27/2017	0.00147	<0.0010	<0.0010	<0.0030	
NMG-MW-10	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-10	6/10/2019	0.000532 J	<0.0010	<0.0010	<0.0030	
NMG-MW-11	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-11	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-11	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-11	2/19/2013	<0.001	<0.002	<0.002	<0.003	Duplicate C sample collected
NMG-MW-11	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-11	2/26/2014	<0.001	<0.002	<0.002	<0.003	
NMG-MW-11	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-11	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-11	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-11	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-11	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-11	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-11	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-11	9/13/2018	Well Not on Sampling Plan				
NMG-MW-12	9/14/2011	0.0013	<0.002	<0.002	<0.004	
NMG-MW-12	3/7/2012	0.0062	<0.002	<0.002	<0.004	
NMG-MW-12	9/5/2012	0.0012	<0.002	<0.002	<0.003	
NMG-MW-12	2/19/2013	0.0024	<0.002	<0.002	<0.003	
NMG-MW-12	9/12/2013	0.00087	<0.002	<0.002	<0.003	
NMG-MW-12	2/26/2014	0.00035 J	<0.002	<0.002	<0.003	
NMG-MW-12	9/24/2014	0.0017	<0.001	<0.001	<0.001	
NMG-MW-12	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-12	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-12	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-12	9/27/2016	Obstruction in well @ 17.97'				
NMG-MW-12	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-12	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-12	9/13/2018	Well Not on Sampling Plan				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
ELDRIDGE PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
NMG-MW-13	9/14/2011	<0.001	<0.002	<0.002	<0.004	
NMG-MW-13	3/7/2012	<0.001	<0.002	<0.002	<0.004	
NMG-MW-13	9/5/2012	<0.001	<0.002	<0.002	<0.003	
NMG-MW-13	2/20/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-13	9/12/2013	<0.001	<0.002	<0.002	<0.003	
NMG-MW-13	9/24/2014	<0.001	<0.001	<0.001	<0.001	
NMG-MW-13	2/25/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-13	9/2/2015	<0.001	<0.001	<0.001	<0.003	
NMG-MW-13	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-13	9/27/2016	Obstruction @ 16.35'				
NMG-MW-13	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
NMG-MW-13	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	
NMG-MW-13	9/13/2018	Well Not on Sampling Plan				
Trip Blank	9/25/2014	<0.001	<0.001	<0.001	<0.001	
Trip Blank	9/2/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	2/25/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	9/2/2015	<0.001	<0.001	<0.001	<0.003	
Trip Blank	3/22/2016	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	9/27/2016	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	3/8/2017	<0.0010	<0.0010	<0.0010	<0.0010	
Trip Blank	9/27/2017	NA	NA	NA	NA	Trip Blank not submitted
Trip Blank 1	9/14/2018	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank 2	9/14/2018	<0.0010	0.000505 J	<0.0010	<0.0030	
Trip Blank	6/12/2019	<0.0010	<0.0010	<0.0010	<0.0010	

Notes:

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

NMWQCC = New Mexico Water Quality Control Commission

LNAPL = Light Non-Aqueous Phase Liquid

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

NS = Not Sampled

NA=Not applicable

mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

- Pace Analytical Report #: L1108812

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

June 20, 2019

DCP Midstream - Tasman

Sample Delivery Group:	L1108812
Samples Received:	06/13/2019
Project Number:	
Description:	Eldridge Pipeline Release

Report To: Brian Humphrey
6899 Pecos St., Unit C
Denver, CO 80221

Entire Report Reviewed By:

Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

MW-6 L1108812-01 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 10:15 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 05:55	06/16/19 05:55	JCP	Mt. Juliet, TN

MW-8 L1108812-02 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 12:19 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 06:17	06/16/19 06:17	JCP	Mt. Juliet, TN

MW-10 L1108812-03 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 13:16 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 06:39	06/16/19 06:39	JCP	Mt. Juliet, TN

MW-11 L1108812-04 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 12:45 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	10	06/16/19 07:01	06/16/19 07:01	JCP	Mt. Juliet, TN

MW-12 L1108812-05 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 13:48 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	50	06/16/19 07:23	06/16/19 07:23	JCP	Mt. Juliet, TN

MW-14 L1108812-06 GW

Collected by: Nick Kopiasz | Collected date/time: 06/10/19 14:36 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 07:44	06/16/19 07:44	JCP	Mt. Juliet, TN

MW-18 L1108812-07 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 11:25 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 08:05	06/16/19 08:05	JCP	Mt. Juliet, TN

MW-19 L1108812-08 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 11:02 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 08:27	06/16/19 08:27	JCP	Mt. Juliet, TN

MW-20 L1108812-09 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 14:07 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 08:49	06/16/19 08:49	JCP	Mt. Juliet, TN

MW-22 L1108812-10 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 10:29 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 09:10	06/16/19 09:10	JCP	Mt. Juliet, TN

MW-25 L1108812-11 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 14:54 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 09:32	06/16/19 09:32	JCP	Mt. Juliet, TN

MW-26 L1108812-12 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 13:27 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	5	06/16/19 09:54	06/16/19 09:54	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1298088	50	06/19/19 04:21	06/19/19 04:21	BMB	Mt. Juliet, TN

MW-29 L1108812-13 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 09:58 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 10:16	06/16/19 10:16	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1298088	1	06/19/19 04:42	06/19/19 04:42	BMB	Mt. Juliet, TN

MW-E L1108812-14 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 10:32 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 10:38	06/16/19 10:38	JCP	Mt. Juliet, TN

MW-F L1108812-15 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 10:44 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 11:00	06/16/19 11:00	JCP	Mt. Juliet, TN

MW-I L1108812-16 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 11:57 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 11:22	06/16/19 11:22	JCP	Mt. Juliet, TN

MW-M L1108812-17 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 14:29 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	50	06/16/19 11:44	06/16/19 11:44	JCP	Mt. Juliet, TN

MW-N L1108812-18 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 12:59 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	100	06/16/19 12:05	06/16/19 12:05	JCP	Mt. Juliet, TN

MW-O L1108812-19 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 12:25 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	50	06/16/19 12:27	06/16/19 12:27	JCP	Mt. Juliet, TN

MW-Q L1108812-20 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 12:03 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296794	1	06/16/19 12:49	06/16/19 12:49	JCP	Mt. Juliet, TN

MW-S L1108812-21 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 11:14 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296935	1	06/16/19 22:56	06/16/19 22:56	JHH	Mt. Juliet, TN

MW-EE L1108812-22 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 15:15 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296935	1	06/16/19 23:17	06/16/19 23:17	JHH	Mt. Juliet, TN

MW-MM L1108812-23 GW

Collected by: Nick Kopiasz | Collected date/time: 06/10/19 14:55 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/17/19 00:13	06/17/19 00:13	ZJM	Mt. Juliet, TN

NMG-MW-5 L1108812-24 GW

Collected by: Nick Kopiasz | Collected date/time: 06/10/19 16:00 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/17/19 00:34	06/17/19 00:34	ZJM	Mt. Juliet, TN

NMG-MW-10 L1108812-25 GW

Collected by: Nick Kopiasz | Collected date/time: 06/10/19 15:31 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/17/19 00:55	06/17/19 00:55	ZJM	Mt. Juliet, TN

DUPLICATE-A L1108812-26 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 00:00 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/17/19 01:16	06/17/19 01:16	ZJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1298083	5	06/19/19 17:06	06/19/19 17:06	DWR	Mt. Juliet, TN

DUPLICATE-B L1108812-27 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 00:00 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/17/19 01:37	06/17/19 01:37	ZJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1298083	1	06/19/19 17:27	06/19/19 17:27	DWR	Mt. Juliet, TN

DUPLICATE-C L1108812-28 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 00:00 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/17/19 01:58	06/17/19 01:58	ZJM	Mt. Juliet, TN

TRIP BLANK L1108812-29 GW

Collected by: Nick Kopiasz | Collected date/time: 06/12/19 14:30 | Received date/time: 06/13/19 08:45

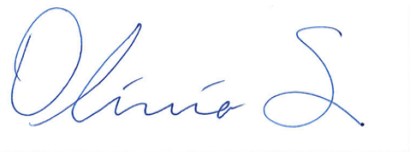
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	1	06/16/19 23:52	06/16/19 23:52	ZJM	Mt. Juliet, TN

MW-LL L1108812-30 GW

Collected by: Nick Kopiasz | Collected date/time: 06/11/19 15:54 | Received date/time: 06/13/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1296976	5	06/17/19 02:19	06/17/19 02:19	ZJM	Mt. Juliet, TN

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



Olivia Studebaker
Project Manager

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 05:55	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 05:55	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 05:55	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 05:55	WG1296794
(S) Toluene-d8	*104*			*80.0-120*		*06/16/2019 05:55*	WG1296794
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*		*06/16/2019 05:55*	WG1296794
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*		*06/16/2019 05:55*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000634	J	0.000331	0.00100	1	06/16/2019 06:17	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 06:17	WG1296794
Ethylbenzene	0.00198		0.000384	0.00100	1	06/16/2019 06:17	WG1296794
Total Xylenes	0.00216	J	0.00106	0.00300	1	06/16/2019 06:17	WG1296794
(S) Toluene-d8	*104*			*80.0-120*		*06/16/2019 06:17*	WG1296794
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/16/2019 06:17*	WG1296794
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/16/2019 06:17*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 06:39	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 06:39	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 06:39	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 06:39	WG1296794
(S) Toluene-d8	*64.8*	J2		*80.0-120*		*06/16/2019 06:39*	WG1296794
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*06/16/2019 06:39*	WG1296794
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*06/16/2019 06:39*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.286		0.00331	0.0100	10	06/16/2019 07:01	WG1296794
Toluene	0.00479	J	0.00412	0.0100	10	06/16/2019 07:01	WG1296794
Ethylbenzene	0.0574		0.00384	0.0100	10	06/16/2019 07:01	WG1296794
Total Xylenes	0.0288	J	0.0106	0.0300	10	06/16/2019 07:01	WG1296794
(S) Toluene-d8	*101*			*80.0-120*		*06/16/2019 07:01*	WG1296794
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*		*06/16/2019 07:01*	WG1296794
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*		*06/16/2019 07:01*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	2.51		0.0166	0.0500	50	06/16/2019 07:23	WG1296794
Toluene	U		0.0206	0.0500	50	06/16/2019 07:23	WG1296794
Ethylbenzene	0.289		0.0192	0.0500	50	06/16/2019 07:23	WG1296794
Total Xylenes	U		0.0530	0.150	50	06/16/2019 07:23	WG1296794
(S) Toluene-d8	*96.2*			*80.0-120*		*06/16/2019 07:23*	WG1296794
(S) 4-Bromofluorobenzene	*149*	J1		*77.0-126*		*06/16/2019 07:23*	WG1296794
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/16/2019 07:23*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 07:44	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 07:44	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 07:44	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 07:44	WG1296794
(S) Toluene-d8	*102*			*80.0-120*		*06/16/2019 07:44*	WG1296794
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/16/2019 07:44*	WG1296794
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*06/16/2019 07:44*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 08:05	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 08:05	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 08:05	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 08:05	WG1296794
(S) Toluene-d8	*106*			*80.0-120*		*06/16/2019 08:05*	WG1296794
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/16/2019 08:05*	WG1296794
(S) 1,2-Dichloroethane-d4	*90.0*			*70.0-130*		*06/16/2019 08:05*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 08:27	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 08:27	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 08:27	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 08:27	WG1296794
(S) Toluene-d8	*104*			*80.0-120*		*06/16/2019 08:27*	WG1296794
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/16/2019 08:27*	WG1296794
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*06/16/2019 08:27*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 08:49	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 08:49	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 08:49	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 08:49	WG1296794
(S) Toluene-d8	*101*			*80.0-120*		*06/16/2019 08:49*	WG1296794
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/16/2019 08:49*	WG1296794
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*06/16/2019 08:49*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 09:10	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 09:10	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 09:10	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 09:10	WG1296794
(S) Toluene-d8	*102*			*80.0-120*		*06/16/2019 09:10*	WG1296794
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*06/16/2019 09:10*	WG1296794
(S) 1,2-Dichloroethane-d4	*89.5*			*70.0-130*		*06/16/2019 09:10*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 09:32	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 09:32	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 09:32	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 09:32	WG1296794
(S) Toluene-d8	*101*			*80.0-120*		*06/16/2019 09:32*	WG1296794
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/16/2019 09:32*	WG1296794
(S) 1,2-Dichloroethane-d4	*86.3*			*70.0-130*		*06/16/2019 09:32*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	1.84		0.0166	0.0500	50	06/19/2019 04:21	WG1298088
Toluene	0.914		0.00206	0.00500	5	06/16/2019 09:54	WG1296794
Ethylbenzene	0.0681		0.00192	0.00500	5	06/16/2019 09:54	WG1296794
Total Xylenes	0.175		0.00530	0.0150	5	06/16/2019 09:54	WG1296794
(S) Toluene-d8	*100*			*80.0-120*		*06/16/2019 09:54*	WG1296794
(S) Toluene-d8	*99.9*			*80.0-120*		*06/19/2019 04:21*	WG1298088
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*06/16/2019 09:54*	WG1296794
(S) 4-Bromofluorobenzene	*83.4*			*77.0-126*		*06/19/2019 04:21*	WG1298088
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/16/2019 09:54*	WG1296794
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*06/19/2019 04:21*	WG1298088

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/19/2019 04:42	WG1298088
Toluene	U		0.000412	0.00100	1	06/16/2019 10:16	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 10:16	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 10:16	WG1296794
(S) Toluene-d8	*103*			*80.0-120*		*06/16/2019 10:16*	WG1296794
(S) Toluene-d8	*100*			*80.0-120*		*06/19/2019 04:42*	WG1298088
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*06/16/2019 10:16*	WG1296794
(S) 4-Bromofluorobenzene	*85.5*			*77.0-126*		*06/19/2019 04:42*	WG1298088
(S) 1,2-Dichloroethane-d4	*92.0*			*70.0-130*		*06/16/2019 10:16*	WG1296794
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*06/19/2019 04:42*	WG1298088

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000515	J	0.000331	0.00100	1	06/16/2019 10:38	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 10:38	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 10:38	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 10:38	WG1296794
(S) Toluene-d8	*108*			*80.0-120*		*06/16/2019 10:38*	WG1296794
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/16/2019 10:38*	WG1296794
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*06/16/2019 10:38*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 11:00	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 11:00	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 11:00	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 11:00	WG1296794
(S) Toluene-d8	*110*			*80.0-120*		*06/16/2019 11:00*	WG1296794
(S) 4-Bromofluorobenzene	*86.6*			*77.0-126*		*06/16/2019 11:00*	WG1296794
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*06/16/2019 11:00*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 11:22	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 11:22	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 11:22	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 11:22	WG1296794
(S) Toluene-d8	*101*			*80.0-120*		*06/16/2019 11:22*	WG1296794
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/16/2019 11:22*	WG1296794
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*		*06/16/2019 11:22*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.176		0.0166	0.0500	50	06/16/2019 11:44	WG1296794
Toluene	U		0.0206	0.0500	50	06/16/2019 11:44	WG1296794
Ethylbenzene	0.236		0.0192	0.0500	50	06/16/2019 11:44	WG1296794
Total Xylenes	U		0.0530	0.150	50	06/16/2019 11:44	WG1296794
(S) Toluene-d8	*102*			*80.0-120*		*06/16/2019 11:44*	WG1296794
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/16/2019 11:44*	WG1296794
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/16/2019 11:44*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	5.21		0.0331	0.100	100	06/16/2019 12:05	WG1296794
Toluene	U		0.0412	0.100	100	06/16/2019 12:05	WG1296794
Ethylbenzene	0.442		0.0384	0.100	100	06/16/2019 12:05	WG1296794
Total Xylenes	1.06		0.106	0.300	100	06/16/2019 12:05	WG1296794
(S) Toluene-d8	*102*			*80.0-120*		*06/16/2019 12:05*	WG1296794
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/16/2019 12:05*	WG1296794
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*06/16/2019 12:05*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	1.41		0.0166	0.0500	50	06/16/2019 12:27	WG1296794
Toluene	U		0.0206	0.0500	50	06/16/2019 12:27	WG1296794
Ethylbenzene	0.0263	J	0.0192	0.0500	50	06/16/2019 12:27	WG1296794
Total Xylenes	U		0.0530	0.150	50	06/16/2019 12:27	WG1296794
(S) Toluene-d8	*97.3*			*80.0-120*		*06/16/2019 12:27*	WG1296794
(S) 4-Bromofluorobenzene	*153*	J1		*77.0-126*		*06/16/2019 12:27*	WG1296794
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/16/2019 12:27*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 12:49	WG1296794
Toluene	U		0.000412	0.00100	1	06/16/2019 12:49	WG1296794
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 12:49	WG1296794
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 12:49	WG1296794
(S) Toluene-d8	*107*			*80.0-120*		*06/16/2019 12:49*	WG1296794
(S) 4-Bromofluorobenzene	*69.9*	J2		*77.0-126*		*06/16/2019 12:49*	WG1296794
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*06/16/2019 12:49*	WG1296794

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 22:56	WG1296935
Toluene	U		0.000412	0.00100	1	06/16/2019 22:56	WG1296935
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 22:56	WG1296935
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 22:56	WG1296935
(S) Toluene-d8	*102*			*80.0-120*		*06/16/2019 22:56*	WG1296935
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*06/16/2019 22:56*	WG1296935
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*06/16/2019 22:56*	WG1296935

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0318		0.000331	0.00100	1	06/16/2019 23:17	WG1296935
Toluene	0.00228		0.000412	0.00100	1	06/16/2019 23:17	WG1296935
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 23:17	WG1296935
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 23:17	WG1296935
(S) Toluene-d8	*100*			*80.0-120*		*06/16/2019 23:17*	WG1296935
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*06/16/2019 23:17*	WG1296935
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*06/16/2019 23:17*	WG1296935

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0713		0.000331	0.00100	1	06/17/2019 00:13	WG1296976
Toluene	U		0.000412	0.00100	1	06/17/2019 00:13	WG1296976
Ethylbenzene	0.000511	J	0.000384	0.00100	1	06/17/2019 00:13	WG1296976
Total Xylenes	U		0.00106	0.00300	1	06/17/2019 00:13	WG1296976
(S) Toluene-d8	*97.4*			*80.0-120*		*06/17/2019 00:13*	WG1296976
(S) 4-Bromofluorobenzene	*82.8*			*77.0-126*		*06/17/2019 00:13*	WG1296976
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*06/17/2019 00:13*	WG1296976

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.00234		0.000331	0.00100	1	06/17/2019 00:34	WG1296976
Toluene	U		0.000412	0.00100	1	06/17/2019 00:34	WG1296976
Ethylbenzene	U		0.000384	0.00100	1	06/17/2019 00:34	WG1296976
Total Xylenes	0.00123	J	0.00106	0.00300	1	06/17/2019 00:34	WG1296976
(S) Toluene-d8	*95.8*			*80.0-120*		*06/17/2019 00:34*	WG1296976
(S) 4-Bromofluorobenzene	*81.4*			*77.0-126*		*06/17/2019 00:34*	WG1296976
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*06/17/2019 00:34*	WG1296976

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000532	J	0.000331	0.00100	1	06/17/2019 00:55	WG1296976
Toluene	U		0.000412	0.00100	1	06/17/2019 00:55	WG1296976
Ethylbenzene	U		0.000384	0.00100	1	06/17/2019 00:55	WG1296976
Total Xylenes	U		0.00106	0.00300	1	06/17/2019 00:55	WG1296976
(S) Toluene-d8	*95.8*			*80.0-120*		*06/17/2019 00:55*	WG1296976
(S) 4-Bromofluorobenzene	*78.5*			*77.0-126*		*06/17/2019 00:55*	WG1296976
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*		*06/17/2019 00:55*	WG1296976

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.305		0.00166	0.00500	5	06/19/2019 17:06	WG1298083
Toluene	0.000457	J	0.000412	0.00100	1	06/17/2019 01:16	WG1296976
Ethylbenzene	0.0511		0.000384	0.00100	1	06/17/2019 01:16	WG1296976
Total Xylenes	0.0233		0.00106	0.00300	1	06/17/2019 01:16	WG1296976
(S) Toluene-d8	*103*			*80.0-120*		*06/17/2019 01:16*	WG1296976
(S) Toluene-d8	*101*			*80.0-120*		*06/19/2019 17:06*	WG1298083
(S) 4-Bromofluorobenzene	*76.6*	J2		*77.0-126*		*06/17/2019 01:16*	WG1296976
(S) 4-Bromofluorobenzene	*79.7*			*77.0-126*		*06/19/2019 17:06*	WG1298083
(S) 1,2-Dichloroethane-d4	*87.6*			*70.0-130*		*06/17/2019 01:16*	WG1296976
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*06/19/2019 17:06*	WG1298083

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0245		0.000331	0.00100	1	06/19/2019 17:27	WG1298083
Toluene	0.00224		0.000412	0.00100	1	06/17/2019 01:37	WG1296976
Ethylbenzene	U		0.000384	0.00100	1	06/17/2019 01:37	WG1296976
Total Xylenes	U		0.00106	0.00300	1	06/17/2019 01:37	WG1296976
(S) Toluene-d8	*98.4*			*80.0-120*		*06/17/2019 01:37*	WG1296976
(S) Toluene-d8	*102*			*80.0-120*		*06/19/2019 17:27*	WG1298083
(S) 4-Bromofluorobenzene	*76.7*	J2		*77.0-126*		*06/17/2019 01:37*	WG1296976
(S) 4-Bromofluorobenzene	*78.7*			*77.0-126*		*06/19/2019 17:27*	WG1298083
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*06/17/2019 01:37*	WG1296976
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*		*06/19/2019 17:27*	WG1298083

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.162		0.000331	0.00100	1	06/17/2019 01:58	WG1296976
Toluene	0.000563	J	0.000412	0.00100	1	06/17/2019 01:58	WG1296976
Ethylbenzene	0.0438		0.000384	0.00100	1	06/17/2019 01:58	WG1296976
Total Xylenes	0.00206	J	0.00106	0.00300	1	06/17/2019 01:58	WG1296976
(S) Toluene-d8	*104*			*80.0-120*		*06/17/2019 01:58*	WG1296976
(S) 4-Bromofluorobenzene	*82.5*			*77.0-126*		*06/17/2019 01:58*	WG1296976
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*06/17/2019 01:58*	WG1296976

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	06/16/2019 23:52	WG1296976
Toluene	U		0.000412	0.00100	1	06/16/2019 23:52	WG1296976
Ethylbenzene	U		0.000384	0.00100	1	06/16/2019 23:52	WG1296976
Total Xylenes	U		0.00106	0.00300	1	06/16/2019 23:52	WG1296976
(S) Toluene-d8	*99.7*			*80.0-120*		*06/16/2019 23:52*	WG1296976
(S) 4-Bromofluorobenzene	*84.7*			*77.0-126*		*06/16/2019 23:52*	WG1296976
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*06/16/2019 23:52*	WG1296976

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.159		0.00166	0.00500	5	06/17/2019 02:19	WG1296976
Toluene	U		0.00206	0.00500	5	06/17/2019 02:19	WG1296976
Ethylbenzene	0.0421		0.00192	0.00500	5	06/17/2019 02:19	WG1296976
Total Xylenes	U		0.00530	0.0150	5	06/17/2019 02:19	WG1296976
(S) Toluene-d8	*104*			*80.0-120*		*06/17/2019 02:19*	WG1296976
(S) 4-Bromofluorobenzene	*82.4*			*77.0-126*		*06/17/2019 02:19*	WG1296976
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*06/17/2019 02:19*	WG1296976

Method Blank (MB)

(MB) R3422182-2 06/16/19 05:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3422182-1 06/16/19 04:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0228	91.3	70.0-123	
Ethylbenzene	0.0250	0.0253	101	79.0-123	
Toluene	0.0250	0.0225	89.9	79.0-120	
Xylenes, Total	0.0750	0.0757	101	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*108*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3422051-2 06/16/19 16:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3422051-1 06/16/19 14:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0240	95.9	70.0-123	
Ethylbenzene	0.0250	0.0258	103	79.0-123	
Toluene	0.0250	0.0229	91.4	79.0-120	
Xylenes, Total	0.0750	0.0759	101	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*105*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3422119-2 06/16/19 23:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*98.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*83.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3422119-1 06/16/19 22:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0245	98.2	70.0-123	
Ethylbenzene	0.0250	0.0231	92.3	79.0-123	
Toluene	0.0250	0.0241	96.6	79.0-120	
Xylenes, Total	0.0750	0.0690	92.0	79.0-123	
(S) Toluene-d8			*97.7*	*80.0-120*	
(S) 4-Bromofluorobenzene			*80.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

Method Blank (MB)

(MB) R3422746-2 06/19/19 07:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*84.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3422746-1 06/19/19 06:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0255	102	70.0-123	
(S) Toluene-d8			*97.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*79.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3422611-2 06/18/19 22:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*82.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3422611-1 06/18/19 21:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0250	0.0256	103	70.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*81.2*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

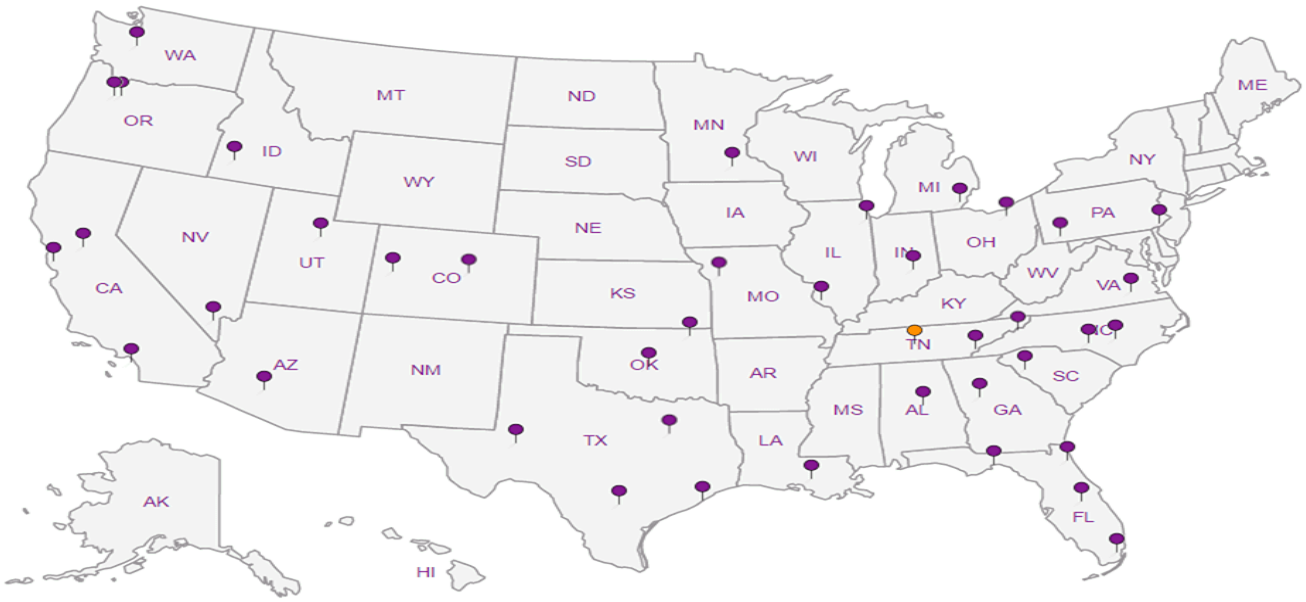
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



DCP Midstream - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to:
Brian Humphrey

Email To: bhumphrey@tasman-geo.com, jcarrington@tasman-geo.com, nkopiasz@tasman-

Project Description: **Eldridge Pipeline Release**

City/State Collected:

Phone: **303-487-1228**
Fax:

Client Project #

Lab Project #
DCPTASMAN-ELDRIDGE

L# L1108812

J080

Collected by (print): Nick Kopiasz

Site/Facility ID #

P.O. #
0000411322

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P710805**
TSR: **134 - Mark W. Beasley**
PB: 5-08-19 AF
Shipped Via: **FedEX Ground**

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl									Remarks	Sample # (lab only)
MW-6		GW		6/11/19	1015	3	X										-01
MW-8		GW		↓	1219	3	X										02
MW-10		GW		↓	1316	3	X										03
MW-11		GW		↓	1245	3	X										04
MW-12		GW		6/11/19	1348	3	X										05
MW-14		GW		6/10/19	1436	3	X										06
MW-18		GW		6/11/19	1125	3	X										07
MW-19		GW		↓	1102	3	X										08
MW-20		GW		6/11/19	1407	3	X										09
MW-22		GW		6/12/19	1029	3	X										10

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS ✓ FedEx __ Courier __ ______

Tracking # 1023 1354 9958

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: __Y __N

RAD SCREEN: <0.5 mR/hr

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No; HCL / MeoH; TBR	
[signature]	6/12/19	1430			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: .5+.1=.6 °C; Bottles Received: 88 87	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 6/13/19; Time: 0845	Hold: / Condition: NCF / OK

DCP Midstream - Tasman 6899 Pecos St., Unit C Denver, CO 80221	Billing Information: **Steve Weathers** **370 17th St, Ste 2500** **Denver, CO 80202**
Report to: **Brian Humphrey**	Email To: bhumphrey@tasman-geo.com, jcarrington@tasman-geo.com, nkopiasz@tasman-
Project Description: **Eldridge Pipeline Release**	City/State Collected:

Pres Chk

Analysis / Container / Preservative: V8260BTEX 40mlAmb-HCl

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1108812

Table #

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P710805**
TSR: **134 - Mark W. Beasley**
PB: S-28-19 AR
Shipped Via: **FedEX Ground**

Phone: **303-487-1228** Fax:	Client Project #	Lab Project # **DCPTASMAN-ELDRIDGE**
Collected by (print): Nick Kopiasz	Site/Facility ID #	P.O. # **0000411322**
Collected by (signature): [signature]	*Rush?* (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote # Date Results Needed
Immediately Packed on Ice N ___ Y ✓		

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl									Remarks	Sample # (lab only)
~~MW-23~~		~~GW~~		~~—~~	—	~~3~~	~~X~~										
MW-25		GW		6/11/19	1454	3	X										-11
MW-26		GW		6/12/19	1327	3	X										12
~~MW-27~~		~~GW~~		—	—	~~3~~	~~X~~										
MW-29		GW		6/12/19	0958	3	X										13
MW-E		GW		6/11/19	1032	3	X										14
MW-F		GW		↓	1044	3	X										15
MW-I		GW		↓	1157	3	X										16
MW-M		GW		6/11/19	1429	3	X										17
MW-N		GW		6/12/19	1259	3	X										18

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS ✓ FedEx __ Courier __ ______

Tracking # Same

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

Relinquished by : (Signature) [signature]	Date: 6/12/19	Time: 1430	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C .5+.1=.6	Bottles Received: 87	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 6/13/19	Time: 0845	Hold: / Condition: NCF / (OK)

DCP Midstream - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

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

Report to: **Brian Humphrey**

Email To: bhumphrey@tasman-geo.com, jcarrington@tasman-geo.com, nkopiasz@tasman-geo.com

Project Description: **Eldridge Pipeline Release**

City/State Collected:

Phone: **303-487-1228**
Fax:

Client Project #

Lab Project # **DCPTASMAN-ELDRIDGE**

Collected by (print): Nick Kopiasz

Site/Facility ID #

P.O. # **0000411322**

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl									Remarks	Sample # (lab only)
MW-O		GW		6/12/19	1225	3	X										-19
MW-Q		GW		↓	1203	3	X										20
MW-S		GW		6/12/19	1114	3	X										21
~~Equipment~~		~~GW~~		—	—	~~3~~	~~X~~										
MW-EE		GW		6/11/19	1515	3	X										22
MW-MM		GW		6/10/19	1455	3	X										23
NMG-MW-5		GW		6/10/19	1600	3	X										24
NMG-MW-10		GW		6/10/19	1531	3	X										25
DUPLICATE-A		GW		6/11/19	—	3	X										26
DUPLICATE-B		GW		6/11/19	—	3	X										27

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1168812

Table #

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P710805**
TSR: **134 - Mark W. Beasley**
PB: 5-28-19 AP
Shipped Via: **FedEX Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # Same

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	6/12/19	1430			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: .5+1=.6 °C	Bottles Received: 87
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/13/19	Time: 0845

Hold: | Condition: NCF / OK

DCP Midstream - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

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

Report to: **Brian Humphrey**

Email To: bhumphrey@tasman-geo.com, jcarrington@tasman-geo.com, nkopiasz@tasman-geo.com

Project Description: **Eldridge Pipeline Release**

City/State Collected:

Phone: **303-487-1228**
Fax:

Client Project #

Lab Project # **DCPTASMAN-ELDRIDGE**

Collected by (print): Nick Kopiasz

Site/Facility ID #

P.O. # **0000411322**

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y ✓

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

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl										Remarks	Sample # (lab only)
DUPLICATE-C		GW		6/11/19	—	3	X											-28
TRIP BLANK		GW		6/12/19	1430	1	X											29
MW-LL		GW		6/11/19	1554	3	X											30
		GW				3	X											
		GW				3	X											

Chain of Custody Page ___ of ___

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L# L1168812

Table #

Acctnum: **DCPTASMAN**
Template: **T150935**
Prelogin: **P710805**
TSR: **134 - Mark W. Beasley**
PB: 5-28-19 AP
Shipped Via: **FedEX Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # Same

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	6/12/19	1430		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C .5+1=.6 Bottles Received: 87	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/13/19 Time: 0845	Hold: / Condition: NCF / OK