Third Quarter 2020 Groundwater Monitoring Summary Report

RR Extension Pipeline Release
Lea County, New Mexico
AP #55

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1. Introduction

This report summarizes the groundwater monitoring and remediation activities conducted during the third quarter 2020 at the RR-Extension pipeline release (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). The field activities were conducted with the purpose of monitoring groundwater flow and quality conditions as well as assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface and performing groundwater remediation. Current Site conditions were evaluated from field data and analytical laboratory results collected during the reporting period on September 21, 2020.

2. Site Location and Background

The Site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 19, Township 20 South, Range 37 East (approximate coordinates 32.562339 degrees north and 103.291739 degrees west). It is approximately 4.25 miles south of the intersection of US Highway 322 and County Road 41. The area is sparsely populated and land use is primarily associated with livestock grazing and oil and gas production and gathering.

Based on information included in historical Site investigation reports, a natural gas condensate release of approximately 30 barrels (bbl) was reported on December 13, 2006 (Assigned Site Reference #130040). Subsequent to preliminary investigation and characterization activities, an excavation was conducted at the Site (November 10, 2008 to December 7, 2008) whereby approximately 11,356 cubic yards of impacted material was removed. The excavation extended to approximately 20 feet below ground surface (bgs) over a surface area of approximately 14,800 square feet. Backfill material was placed into the excavation and surface restoration was completed on January 12, 2009. These activities are described within the document *Closure Report – RR Extension Release Site* dated February 2009 prepared by Environmental Plus, Inc.

LNAPL has historically been identified immediately above the water table at a depth of approximately 30-feet bgs within monitoring well locations to the south and east of the original release and excavation limits. However, subsequent to the second quarter 2015 monitoring event, LNAPL has not been observed within any of the Site monitoring wells. Investigation activities conducted at the Site include installation of groundwater monitoring wells and excavation during the time periods listed below:

- MW-1 through MW-5: Installed March 2008.
- MW-6 through MW-8: Installed June 2008.
- Excavation and Backfill: Initiated – November 10, 2008; Completed – January 12, 2009.
- MW-9 through MW-12: Installed June 2010.
- MW-13 through MW-16: Installed January 2011.

Ongoing monitoring and sampling of the Site wells listed above has been conducted on a quarterly basis following installation.

Boring logs for the monitoring wells at the Site indicate that the subsurface geology is typical of unconsolidated fine-grained sand, silt, and clay sediments.

On April 27, 2017, on behalf of DCP, Tasman issued the *Request to Remove Chlorides from Groundwater Sampling Suite* request letter to the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD) – Oil Conservation Division (NMOCD), to remove chloride analysis from the groundwater sampling requirements designated for the Site. As further detailed in the referenced request letter, basis for discontinuing chloride analysis was primarily supported by background concentrations present in groundwater at the Site, as well as chlorides not being associated with DCP gathering systems. DCP is currently awaiting written approval of the referenced request, however, the NMOCD did provide verbal approval following an associated discussion held on April 27, 2017, to reduce the frequency for sampling of chlorides from a quarterly schedule, to a semi-annual sampling schedule, to be completed during the first and third quarter events of each calendar year starting March 2018.

3. Groundwater Monitoring

This section describes the field and laboratory activities performed during the third quarter 2020 groundwater monitoring event. Quarterly monitoring activities were conducted on September 21, 2020 and included Site-wide groundwater gauging 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 levels were measured in order to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations in groundwater elevations at the Site. During the third quarter 2020, groundwater levels were measured at 16 monitoring well locations. Measurable LNAPL thicknesses were not observed during this monitoring event and have not been observed at the Site since the first quarter 2015. The presence of LNAPL will continue to be monitored in future groundwater sampling events. Historical LNAPL thicknesses have been provided in previous quarterly reports.

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data was later converted to elevation (feet above mean sea level [AMSL]). Measured groundwater levels and calculated groundwater elevations for this quarter and the previous three quarters are presented in Table 1.

A third quarter 2020 groundwater elevation contour map, included as Figure 3, indicates that groundwater flow at the Site generally trends to the southeast. The range of groundwater elevations, average elevation changes from the previous monitoring event, and the calculated average hydraulic gradient (using elevations from MW-13 and MW-6) at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	Third Quarter 2020 (9/21/2020)
Maximum Elevation (Well ID)	3506.14 (MW-13)
Minimum Elevation (Well ID)	3,505.48 (MW-6)
Average Change from Previous Monitoring Event – All Wells	-0.59 feet
Average Hydraulic Gradient (ft/ft) / (Well IDs)	0.0028 (MW-13 to MW-6)

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each monitoring well, groundwater samples were collected from each of the 16 monitoring wells using disposable polyethylene bailers.

A minimum of three well casing volumes of groundwater were purged from each monitoring well prior to collecting groundwater samples. Groundwater samples were placed in clean laboratory supplied containers for the selected analytical methods, packed in an ice-filled cooler and maintained at approximately four (4) degrees Celsius (°C) for transportation to the laboratory. Groundwater samples were then shipped under chain-of-custody procedures to Pace Analytical laboratory (Pace) in Mount Juliet, Tennessee, for analysis.

Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the reporting period. Historical analytical results up to and including the September 21, 2020 event are included in Appendix A and the laboratory analytical report for the third quarter 2020 is included in Appendix B. Analytical results are also displayed on Figure 4.

Analytical results/observations are summarized below:

- Benzene concentrations in groundwater samples from wells MW-2 (0.0.335 milligrams per liter [mg/L]), MW-3 (1.44 mg/L), MW-4 (0.00789 mg/L), MW-5 (0.0215 mg/L, 0.0123 mg/L Duplicate), MW-9 (1.54 mg/L), and MW-10 (0.587 mg/L) were in exceedance of the New Mexico Water Quality Control Commission (NMWQCC) standard of 0.005 mg/L. Benzene concentrations at the remaining 10 sample locations were reported below NMWQCC standards and/or below laboratory detection limits.
- Toluene was not reported above the NMWQCC standard of 1.00 mg/L in any of the Site monitoring well locations.
- Ethylbenzene was not reported above the NMWQCC standard of 0.70 mg/L in any of the Site monitoring well locations.
- Total Xylenes were not reported above the NMWQCC standard of 0.62 mg/L in any of the Site monitoring well locations.

- Chloride was reported above the NMWQCC suggested guideline of 250 mg/L at all 16 monitoring well locations with concentrations ranging from 309 mg/L at MW-2 to 1090 mg/L in MW-8.

3.3 Data Quality Assurance / Quality Control

A trip blank and field duplicate sample (MW-5) was collected during the third quarter 2020 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 indicate that samples were received at the proper temperature with no headspace.

QA/QC items of note for the second quarter 2020 include the following:

- Target analytes were not detected in the trip blank;
- The parent and duplicate samples collected from MW-5 exhibited benzene concentrations of 0.0215 mg/L and 0.0123 mg/L, respectively, yielding a relative percent difference (RPD) of 33% which is above the target range of 20%.

Based on the data review, the data precision and accuracy for the third quarter 2020 parent and duplicate samples are above the target control range of 20%. Results exceeding the field duplicate precision goal and the high RPD value is likely attributed to non-homogeneity distribution of target analytes within the sample matrix. The overall QA/QC assessment, based on the data review and with the exceptions noted, indicate that data precision and accuracy are acceptable.

4. Remediation Activities

Mobile vacuum enhanced fluid recovery (EFR) and air sparge (AS) remediation events were conducted during the reporting period. AS remediation activities were initiated in conjunction with EFR as described in the following section to address residual dissolved phase BTEX concentrations at the Site.

4.1 Vacuum Enhanced Fluid Recovery and Air Sparge Remediation

Mobile EFR/AS events were conducted at the Site on September 22, 2020 which included application of high vacuum (using a vacuum truck) and compressed air (using a portable air compressor) to individual well points through EFR and AS downhole stinger pipe/tube assemblies. At the wells where EFR was being conducted, the stinger pipe was placed slightly below the groundwater level, thereby removing impacted groundwater and vapors from the subsurface.

Prior to conducting EFR activities, depth to water measurements were collected at monitoring wells that have historically contained LNAPL and/or the highest dissolved phase benzene concentrations (MW-3, MW-4, MW-9, and MW-10). LNAPL was not detected in any of the Site monitoring wells during the third quarter 2020.

On September 22, 2020, EFR was applied simultaneously to monitoring wells MW-4 and MW-10 for an approximate 8-hour period, which produced approximately 40 barrels (bbls) of groundwater. The recovered groundwater was transported for disposal at the Cooper Disposal Facility in Hobbs, New

Mexico.

AS was applied to well locations MW-3 and MW-9 on September 22, 2020 via a removable stinger assembly to enable sparge air to be introduced into the well column and formation below the water table. During the event, AS was applied to the wells for approximately 8-hours with a continuous average pressure of 30 pounds per square inch (psi) and a continuous flow of 25 cubic feet per minute (cfm).

5. Conclusions

Comparison of the third quarter 2020 monitoring data and historical information provides the following general observations:

- The groundwater elevation beneath the Site has remained relatively stable with minor seasonal and annual fluctuations since monitoring was initiated in 2008.
- Measurable amounts of LNAPL were not observed in any of the Site monitoring wells during the second quarter 2020. LNAPL has not been observed at the Site since the first quarter 2015.
- Benzene concentrations continue to be reported above NMWQCC standards in monitoring wells MW-2, MW-3, MW-4, MW-5, MW-9, and MW-10. At MW-1, concentrations continue to periodically fluctuate from above to below NMWQCC standards, likely a result of fluctuating seasonal groundwater levels. An overall decreasing trend in benzene concentrations is observed by referencing historical data for this Site. The remaining 9 sampled locations exhibited benzene concentrations below NMWQCC standards.
- Total Xylenes were reported above NMWQCC standards in monitoring well MW-3. The remaining 15 sampled locations exhibited total xylene concentrations below NMWQCC standards.
- Toluene, ethylbenzene, and total xylene levels were not observed above the NMWQCC standards in any of the site monitoring well locations.
- Chloride was reported above the NMWQCC suggested guideline of 250 mg/L at all 16 monitoring well locations.

6. Recommendations

Based on evaluation of data from the third quarter 2020 and historical Site observations and monitoring results, recommendations for future activities include:

- Continue quarterly groundwater monitoring and sampling for BTEX at the monitoring well locations illustrated on Figure 2.
- Continue semi-annual sampling activities for chloride analysis to be conducted during the first (March) and third (September) quarter sampling events each calendar year.
- A hiatus in EFR/AS events occurred at the beginning in 2020 to evaluate if either the EFR/AS remediation has caused the declining of dissolved phase contaminants or natural attenuation is occurring. Ongoing EFR/AS efforts will be further assessed following quarterly monitoring events.

Tables

TABLE 1
THIRD QUARTER 2020
SUMMARY OF GROUNDWATER ELEVATION DATA
RR-EXTENSION 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	09/23/2019	28.57			NM	3534.57	3506.00	-0.44
MW-1	12/10/2019	28.38			NM	3534.57	3506.19	0.19
MW-1	06/15/2020	28.14			NM	3534.57	3506.43	0.24
MW-1	09/21/2020	28.60			NM	3534.57	3505.97	-0.46
MW-2	09/23/2019	29.22			NM	3535.18	3505.96	-0.45
MW-2	12/10/2019	29.04			NM	3535.18	3506.14	0.18
MW-2	06/15/2020	28.79			NM	3535.18	3506.39	0.25
MW-2	09/21/2020	29.27			NM	3535.18	3505.91	-0.48
MW-3	09/23/2019	30.59			NM	3536.57	3505.98	-0.43
MW-3	12/10/2019	30.42			NM	3536.57	3506.15	0.17
MW-3	06/15/2020	30.18			NM	3536.57	3506.39	0.24
MW-3	09/21/2020	30.60			NM	3536.57	3505.97	-0.42
MW-4	09/23/2019	29.61			NM	3535.20	3505.59	-0.46
MW-4	12/10/2019	29.43			NM	3535.20	3505.77	0.18
MW-4	06/15/2020	29.17			NM	3535.20	3506.03	0.26
MW-4	09/21/2020	29.67			NM	3535.20	3505.53	-0.50
MW-5	09/23/2019	30.31			NM	3535.92	3505.61	-0.44
MW-5	12/10/2019	30.15			NM	3535.92	3505.77	0.16
MW-5	06/15/2020	29.86			NM	3535.92	3506.06	0.29
MW-5	09/21/2020	30.32			NM	3535.92	3505.60	-0.46
MW-6	09/23/2019	30.68			NM	3536.16	3505.48	-0.45
MW-6	12/10/2019	30.52			NM	3536.16	3505.64	0.16
MW-6	06/15/2020	30.25			NM	3536.16	3505.91	0.27
MW-6	09/21/2020	30.68			NM	3536.16	3505.48	-0.43
MW-7	09/23/2019	31.41			NM	3537.09	3505.68	-0.41
MW-7	12/10/2019	31.25			NM	3537.09	3505.84	0.16
MW-7	06/15/2020	30.99			NM	3537.09	3506.10	0.26
MW-7	09/21/2020	31.44			NM	3537.09	3505.65	-0.45
MW-8	09/23/2019	30.30			NM	3536.41	3506.11	-0.42
MW-8	12/10/2019	30.12			NM	3536.41	3506.29	0.18
MW-8	06/15/2020	29.89			NM	3536.41	3506.52	0.23
MW-8	09/21/2020	30.34			NM	3536.41	3506.07	-0.45

TABLE 1
THIRD QUARTER 2020
SUMMARY OF GROUNDWATER ELEVATION DATA
RR-EXTENSION 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-9	09/23/2019	28.17			NM	3534.20	3506.03	-0.46
MW-9	12/10/2019	27.99			NM	3534.20	3506.21	0.18
MW-9*	06/15/2020	25.73			NM	3534.20	3508.47	2.26
MW-9	09/21/2020	28.18			NM	3534.20	3506.02	-2.45
MW-10	09/23/2019	28.43			NM	3534.21	3505.78	-0.47
MW-10	12/10/2019	28.25			NM	3534.21	3505.96	0.18
MW-10	06/15/2020	27.97			NM	3534.21	3506.24	0.28
MW-10	09/21/2020	28.62			NM	3534.21	3505.59	-0.65
MW-11	09/23/2019	30.59			NM	3536.19	3505.60	-0.47
MW-11	12/10/2019	30.41			NM	3536.19	3505.78	0.18
MW-11	06/15/2020	30.13			NM	3536.19	3506.06	0.28
MW-11	09/21/2020	30.60			NM	3536.19	3505.59	-0.47
MW-12	09/23/2019	28.83			NM	3534.47	3505.64	-0.50
MW-12	12/10/2019	28.64			NM	3534.47	3505.83	0.19
MW-12	06/15/2020	28.35			NM	3534.47	3506.12	0.29
MW-12	09/21/2020	28.86			NM	3534.47	3505.61	-0.51
MW-13	06/03/2019	29.50			NM	3536.08	3506.58	0.04
MW-13	09/23/2019	29.92			NM	3536.08	3506.16	-0.42
MW-13	12/10/2019	29.74			NM	3536.08	3506.34	0.18
MW-13	06/15/2020	NM			NM	3536.08	NM	NC
MW-13	09/21/2020	29.94			NM	3536.08	3506.14	-0.20
MW-14	09/23/2019	29.01			NM	3534.96	3505.95	-0.46
MW-14	12/10/2019	28.81			NM	3534.96	3506.15	0.20
MW-14	06/15/2020	28.53			NM	3534.96	3506.43	0.28
MW-14	09/21/2020	29.04			NM	3534.96	3505.92	-0.51
MW-15	09/23/2019	29.23			NM	3534.90	3505.67	-0.51
MW-15	12/10/2019	29.02			NM	3534.90	3505.88	0.21
MW-15	06/15/2020	28.72			NM	3534.90	3506.18	0.30
MW-15	09/21/2020	29.22			NM	3534.90	3505.68	-0.50
MW-16	09/23/2019	28.09			NM	3533.68	3505.59	-0.49
MW-16	12/10/2019	27.89			NM	3533.68	3505.79	0.20
MW-16	06/15/2020	27.56			NM	3533.68	3506.12	0.33
MW-16	09/21/2020	28.12			NM	3533.68	3505.56	-0.56
						Average change in groundwater elevation (6/15/20 to 9/21/20)		-0.59

Notes:
1- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected during th most recent monitoring event.
amsl = feet above mean sea leve
TOC = top of casing
Groundwater elevation = (TOC Elevation - Measured Depth to Water)
NM = Not Measured NC = Not Calculated
* Data determined inaccurate due to field data collection error. Data not utilized for hydraulic trends.

TABLE 2
THIRD QUARTER 2020
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
RR-EXTENSION PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**508**	
MW-2	09/21/2020	**0.0335**	<0.00100	<0.0010	0.000749 J	**309**	
MW-3	09/21/2020	**1.44**	<0.0500	0.202	0.295	412	
MW-4	09/21/2020	**0.00789**	<0.00100	0.00433	0.00390	**315**	
MW-5	09/21/2020	**0.0215**	<0.0100	0.0423	0.0698	**463**	Duplicate Sample Collected
MW-5 (Duplicate)	09/21/2020	**0.0123**	<0.0010	0.0205	0.0325	**463**	
MW-6	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**412**	
MW-7	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**475**	
MW-8	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**1090**	
MW-9	09/21/2020	**1.54**	0.406	0.0840	0.280	**370**	
MW-10	09/21/2020	**0.587**	0.00436 J	0.0455	0.109	**500**	
MW-11	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**471**	
MW-12	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**413**	
MW-13	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**385**	
MW-14	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**399**	
MW-15	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**451**	
MW-16	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**551**	
Trip Blank	09/21/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	

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
NA = Not Analyzed
mg/L = milligrams per liter

Figures

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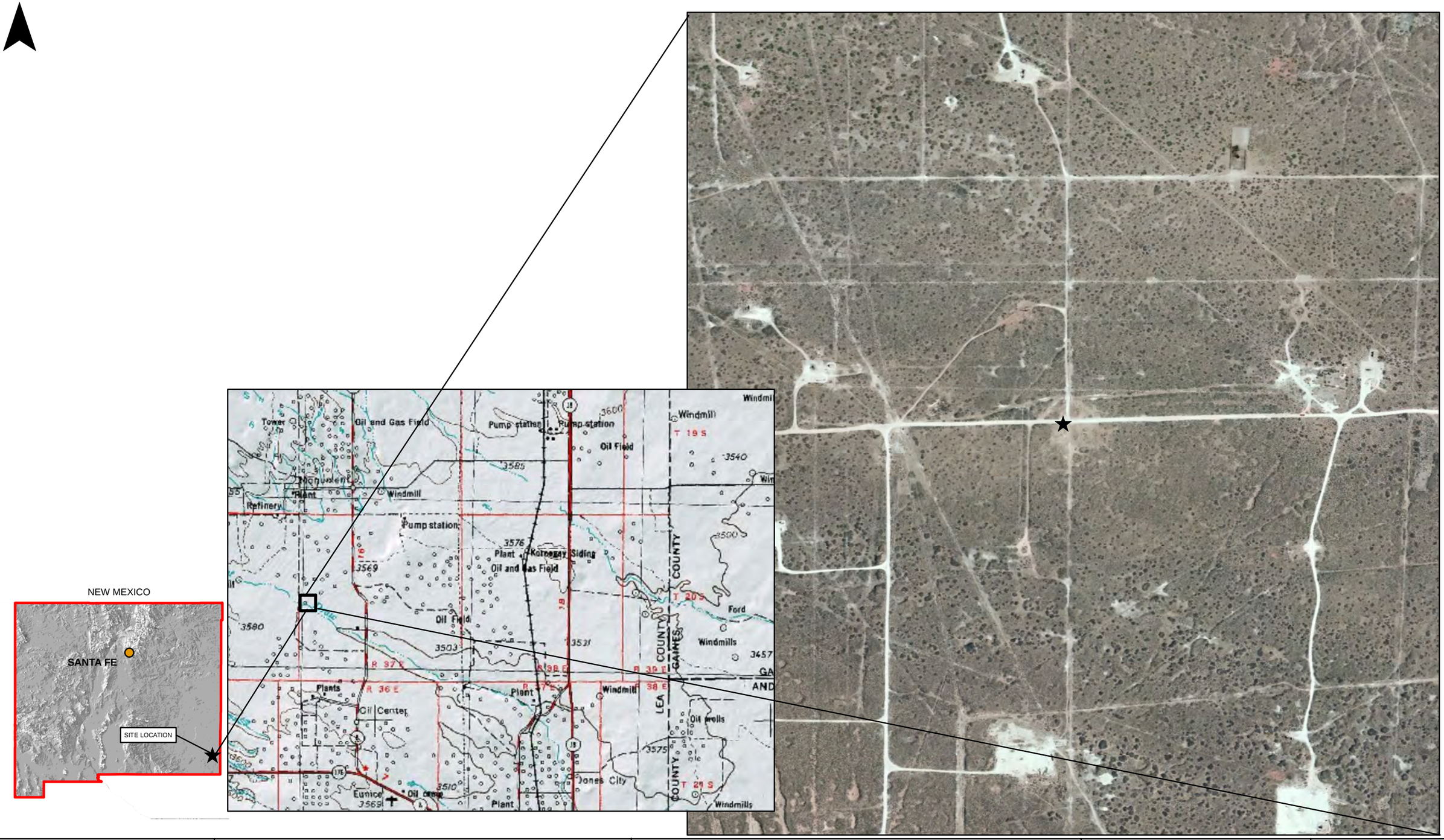
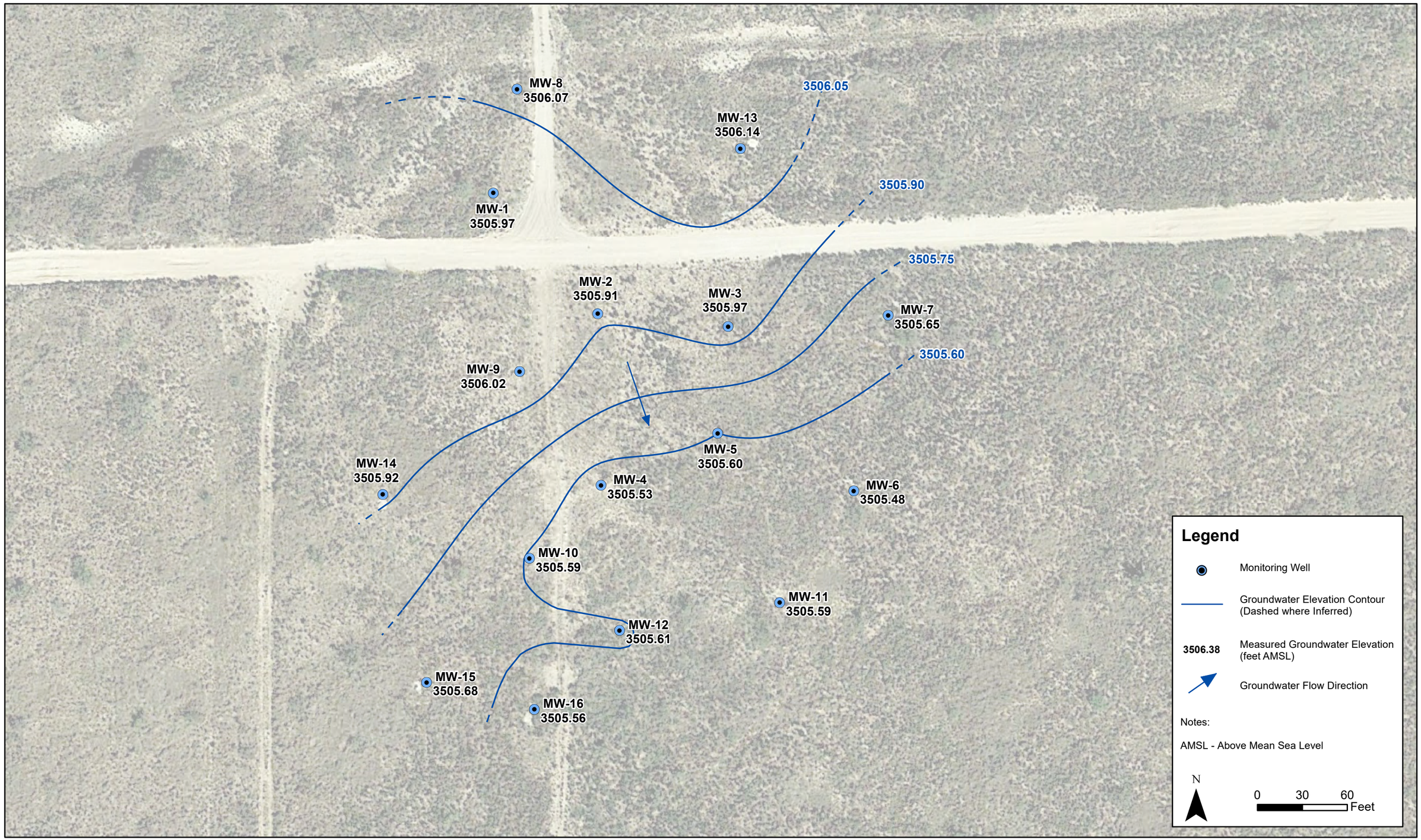
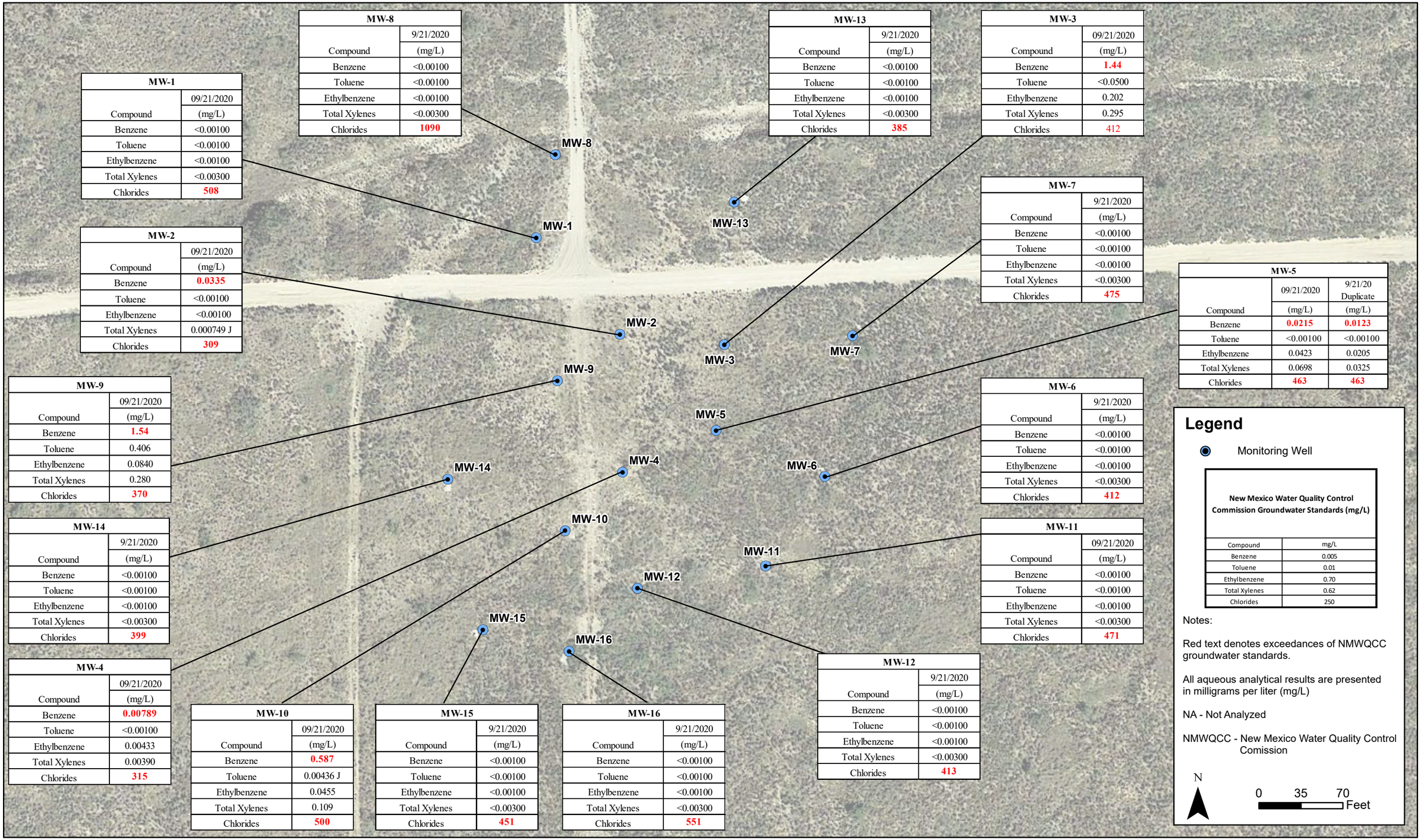


DATE: July 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences, Inc.** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **RR-Extension Pipeline Release** NE 1/4, NW 1/4, Section 19, Township 20 South, Range 37 East Lea County, New Mexico	Site Location Map	Figure 1

DATE: December 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	TASMAN GEOSCIENCES **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **RR-Extension Pipeline Release** Third Quarter 2020 Groundwater Monitoring Summary Report	Site Map with Monitoring Well Locations	Figure 2



DATE: October 2020 DESIGNED BY: B. Humphrey DRAWN BY: A. Dahl	TASMAN GEOSCIENCES Tasman Geosciences, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **RR-Extension Pipeline Release** Third Quarter 2020 Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (September 21, 2020)	Figure 3



MW-1	
Compound	09/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**508**

MW-2	
Compound	09/21/2020 (mg/L)
Benzene	**0.0335**
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	0.000749 J
Chlorides	**309**

MW-3	
Compound	09/21/2020 (mg/L)
Benzene	**1.44**
Toluene	<0.0500
Ethylbenzene	0.202
Total Xylenes	0.295
Chlorides	412

MW-4	
Compound	09/21/2020 (mg/L)
Benzene	**0.00789**
Toluene	<0.00100
Ethylbenzene	0.00433
Total Xylenes	0.00390
Chlorides	**315**

MW-5		
Compound	09/21/2020 (mg/L)	9/21/20 Duplicate (mg/L)
Benzene	**0.0215**	**0.0123**
Toluene	<0.00100	<0.00100
Ethylbenzene	0.0423	0.0205
Total Xylenes	0.0698	0.0325
Chlorides	**463**	**463**

MW-6	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**412**

MW-7	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**475**

MW-8	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**1090**

MW-9	
Compound	09/21/2020 (mg/L)
Benzene	**1.54**
Toluene	0.406
Ethylbenzene	0.0840
Total Xylenes	0.280
Chlorides	**370**

MW-10	
Compound	09/21/2020 (mg/L)
Benzene	**0.587**
Toluene	0.00436 J
Ethylbenzene	0.0455
Total Xylenes	0.109
Chlorides	**500**

MW-11	
Compound	09/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**471**

MW-12	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**413**

MW-13	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**385**

MW-14	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**399**

MW-15	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**451**

MW-16	
Compound	9/21/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**551**

Legend

Monitoring Well

New Mexico Water Quality Control Commission Groundwater Standards (mg/L)

Compound	mg/L
Benzene	0.005
Toluene	0.01
Ethylbenzene	0.70
Total Xylenes	0.62
Chlorides	250

Notes:

Red text denotes exceedances of NMWQCC groundwater standards.

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

NA - Not Analyzed

NMWQCC - New Mexico Water Quality Control Comission

N

0 35 70 Feet

DATE: October 2020

DESIGNED BY: B. Humphrey

DRAWN BY: A. Dahl

TASMAN GEOSCIENCES

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

DCP Midstream
RR-Extension Pipeline Release
Third Quarter 2020 Groundwater Monitoring Summary Report

Analytical Results Map (September 21, 2020)

Figure 4

Appendix A

Historical Analytical Results

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
RR-EXTENSION PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	3/2008	**1.4**	0.0395	**0.948**	0.128		
MW-1	6/2008	**2.75**	0.054	**2.17**	0.232		
MW-1	9/2008	**1.1**	0.0375	**0.845**	0.131	**507**	
MW-1	12/2008	**0.869**	0.0385	0.581	0.0709	**447**	
MW-1	3/2009	**0.288**	0.0149	0.107	0.0395	**432**	
MW-1	5/2009	**1.38**	0.0705	0.175	0.065	**462**	
MW-1	9/2009	**0.267**	0.024	0.0332	0.0078	**422**	
MW-1	12/2009	**0.819**	0.088	0.0267	0.012	**363**	
MW-1	3/2010	**0.726**	0.0879	0.107	0.0278	**800**	
MW-1	6/2010	**0.339**	0.0539	0.0329	0.0079	**510**	
MW-1	9/2010	**1.99**	0.0951	0.084	0.0219	**442**	
MW-1	12/2010	**0.708**	0.0796	0.0099	0.0047	**448**	
MW-1	03/30/2011	**0.0241**	<0.001	0.0136	0.0055	**457**	
MW-1	06/22/2011	**0.0735**	<0.01	0.0293	<0.02	**467**	
MW-1	09/17/2011	**0.144**	0.038	0.0069	0.0087	**472**	Duplicate sample collected
MW-1	12/08/2011	**0.076**	0.002	0.0227	0.0024	**462**	Duplicate sample collected
MW-1	03/10/2012	**0.029**	<0.002	0.0072	<0.004	**497**	Duplicate sample collected
MW-1	06/05/2012	**0.069**	0.0014	0.0112	<0.003	**470**	Duplicate sample collected
MW-1	09/09/2012	**0.0216**	<0.002	0.0029	<0.003	**465**	Duplicate sample collected
MW-1	12/04/2012	**0.0194**	<0.002	0.0024	<0.003	**445**	Duplicate sample collected
MW-1	02/22/2013	0.0063	<0.002	0.00066	<0.003	**474**	Duplicate sample collected
MW-1	06/02/2013	**0.0313**	<0.002	0.0028	<0.003	**451**	Duplicate sample collected
MW-1	09/10/2013	0.0092	<0.002	0.0016	<0.003	**400**	Duplicate sample collected
MW-1	12/03/2013	0.0067	<0.002	0.00075	<0.003	**458**	Duplicate Sample Collected
MW-1	02/27/2014	**0.0449**	<0.002	0.0044	<0.003	**474**	Duplicate Sample Collected
MW-1 (duplicate)	02/27/2014	**0.0331**	<0.002	0.0037	<0.003	**489**	
MW-1	06/03/2014	**0.0157**	<0.002	0.0018 J	<0.003	**466**	Duplicate Sample Collected
MW-1 (duplicate)	06/03/2014	**0.0157**	<0.002	0.0017 J	<0.003	**488**	
MW-1	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-1	12/01/2014	**4.94**	0.33	0.332	0.271	**361**	Duplicate Sample Collected
MW-1 (duplicate)	12/01/2014	**5.58**	0.455	0.384	0.3435	**350**	
MW-1	02/25/2015	**0.68**	0.0013	0.065	0.0048	**458**	Duplicate Sample Collected
MW-1 (duplicate)	02/25/2015	**0.56**	0.0013	0.062	0.0043	**452**	
MW-1	06/01/2015	**0.015**	<0.001	0.0067	<0.003	**488**	Duplicate sample collected
MW-1 (duplicate)	06/01/2015	**0.015**	0.0096	0.012	0.022	**502**	
MW-1	08/31/2015	0.0019	<0.001	<0.001	<0.003	**461**	Duplicate sample collected
MW-1 (duplicate)	08/31/2015	0.0013	<0.001	<0.001	<0.003	**460**	
MW-1	12/14/2015	<0.001	<0.001	<0.001	<0.003	**455**	Duplicate sample collected
MW-1 (duplicate)	12/14/2015	<0.001	<0.001	<0.001	<0.003	**457**	
MW-1	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**453**	Duplicate sample collected
MW-1 (duplicate)	03/21/2016	0.0031	<0.0010	0.0013	<0.0030	**473**	
MW-1	06/20/2016	0.0036	<0.0010	<0.0010	<0.0030	**454**	
MW-1	09/29/2016	**1.4**	**4.8**	**1.1**	**2.4**	122	
MW-1	12/19/2016	**1.8**	0.026	0.5	0.21	**312**	
MW-1	03/06/2017	**0.6**	<0.010	0.19	<0.01	**434**	
MW-1	06/19/2017	0.0057	<0.0010	0.018	<0.001	**431**	
MW-1	09/25/2017	**0.778**	0.147	**0.833**	**0.672**	189	
MW-1	12/19/2017	**0.412**	<0.010	0.167	0.0378	**366**	
MW-1	03/13/2018	0.00552	<0.0010	0.00698	<0.0030	**399**	
MW-1	06/25/2018	0.00357	<0.0010	0.00231	0.00276 J	**415**	
MW-1	09/19/2018	**0.0162**	0.00187	0.00586	0.00917	**432**	
MW-1	12/11/2018	0.00430	<0.0010	0.00129	0.00191	NA	
MW-1	03/19/2019	0.00611	0.000492 J	0.00285	0.00342	**437**	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
RR-EXTENSION PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	06/03/2019	0.00469	0.000621 J	0.00272	0.00333	NA	
MW-1	09/23/2019	**0.0162**	0.00190	0.0180	0.0201	**473**	
MW-1	12/11/2019	**0.0360**	0.00890	0.0151	0.0300	NA	
MW-1	06/15/2020	0.00275	0.000289 J	0.00279	0.00309	NA	
MW-1	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**508**	
MW-2	3/2008	**8.98**	0.135	**6.58**	**0.765**		
MW-2	6/2008	**24.3**	0.319	**18.5**	**2.58**		
MW-2	9/2008	**21.7**	0.443	**9.79**	**4.25**	109	
MW-2	12/2008	Not Sampled: Remediation Activities					
MW-2	3/2009	**23.7**	0.538	**2.34**	**1.25**	114	
MW-2	5/2009	**32.7**	**0.791**	**1.31**	**1.69**	109	
MW-2	9/2009	**29.3**	0.491	**0.771**	0.371	139	
MW-2	12/2009	**28.5**	0.57	0.347	0.177	199	
MW-2	3/2010	**23.8**	0.529	0.71	<1.2	**700**	
MW-2	6/2010	**22.9**	0.485	0.39	0.128	233	
MW-2	9/2010	**17**	0.329	0.257	<0.8	**263**	
MW-2	12/2010	**16.9**	0.458	0.399	0.0926	**278**	
MW-2	03/30/2011	**16.6**	0.165	0.403	0.116	**320**	
MW-2	06/22/2011	**9.21**	0.0231	0.377	<0.4	**370**	
MW-2	09/17/2011	**4.07**	0.415	0.329	0.203	**375**	
MW-2	12/08/2011	**1.5**	0.0436	0.33	0.0254	**392**	
MW-2	03/10/2012	**1.04**	<0.04	0.134	<0.08	**444**	
MW-2	06/05/2012	**1.25**	0.106	0.158	0.0885	**346**	
MW-2	09/09/2012	**1.53**	0.203	0.138	0.14	**393**	
MW-2	12/04/2012	**1.26**	0.115	0.0854	0.116	**385**	
MW-2	02/22/2013	**4.53** [3]	0.474	0.298	0.482	**386**	
MW-2	06/02/2013	**1.25**	0.0582	0.0644	0.103	**406**	
MW-2	09/10/2013	**4.47**	0.374	0.226	0.375	**339**	
MW-2	12/03/2013	**0.9**	0.0569	0.0442	0.0671	**414**	
MW-2	02/27/2014	**4.41** [3]	0.599	0.312	0.493	**411**	
MW-2	06/03/2014	**0.842** [3]	0.05	0.0609	0.101	**440**	
MW-2	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-2	12/01/2014	**0.164**	0.0132	0.007	0.0106	**440**	
MW-2	02/25/2015	**4.3**	0.64	0.28	0.55	**370**	
MW-2	06/01/2015	**3.4**	0.48	0.28	0.37	**364**	
MW-2	08/31/2015	**1.4**	0.29	0.064	0.12	**347**	
MW-2	12/14/2015	**0.51**	0.079	0.033	0.059	**371**	
MW-2	03/21/2016	**1.5**	0.31	0.11	0.24	**355**	
MW-2	06/20/2016	**3.4**	0.7	0.16	0.3	**367**	
MW-2	09/26/2016	**1.1**	0.37	0.099	0.081	**382**	
MW-2	12/19/2016	**0.17**	0.033	0.035	0.02	**396**	
MW-2	03/06/2017	<0.0010	<0.0010	<0.0010	0.0026	**401**	
MW-2	06/19/2017	**0.18**	0.046	0.0031	0.059	**348**	
MW-2	09/25/2017	**1.45**	0.173	0.123	0.302	**354**	
MW-2	12/19/2017	**0.485**	0.0129	0.0441	0.122	**409**	
MW-2	03/13/2018	**0.0304**	0.00163	0.0024	0.00596	**352**	
MW-2	06/25/2018	**0.52**	0.00579 B J	0.0559	0.152	**296**	
MW-2	09/19/2018	**0.0659**	<0.0010	0.00527	0.0136	**283**	
MW-2	12/11/2018	**0.135**	<0.0010	0.0109	0.0304	NA	
MW-2	03/19/2019	**0.0427**	<0.0010	0.000671 J	0.00371	235	
MW-2	06/04/2019	**0.0335**	<0.0010	0.00392	0.00921	NA	
MW-2	09/23/2019	**0.0694**	0.000436 J	0.00789	0.0167	190	
MW-2	12/11/2019	**0.0714**	<0.0010	0.0137	0.0343	NA	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-2	06/15/2020	**0.102**	0.000298 J	0.00683	0.0152	NA	
MW-2	09/21/2020	**0.0335**	<0.00100	<0.0010	0.000749 J	**309**	
MW-3	3/2008	**0.759**	0.0355	**0.849**	0.0786		
MW-3	6/2008	**6.18**	0.287	**9.46**	**1.23**		
MW-3	9/2008	**2.45**	0.145	**3.62**	**114**	**363**	
MW-3	12/2008	**0.761**	0.0492	**0.938**	0.158	**301**	
MW-3	3/2009	**4.03**	0.18	**2.83**	0.61	**273**	
MW-3	5/2009	**14.7**	**0.808**	**12.6**	**1.64**	**313**	
MW-3	9/2009	**5.5**	0.271	**1.09**	<0.006	**363**	
MW-3	12/2009	**13.1**	**1.2**	**9.08**	**2.87**	**398**	
MW-3	3/2010	**8.43**	**1.01**	**9.14**	**2.71**	**440**	
MW-3	6/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	9/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	12/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	03/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	06/22/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	09/17/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	12/08/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	03/10/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	06/05/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	09/09/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	12/04/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	02/22/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	06/02/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	09/10/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	12/03/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	02/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	06/03/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-3	12/01/2014	**4.47**	**0.844**	0.529	**1.308**	NS	
MW-3	02/25/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-3	06/01/2015	**3.2**	**0.95**	0.72	**2.9**	**391**	
MW-3	08/31/2015	**3**	0.31	0.3	0.5	**382**	
MW-3	12/14/2015	**4.7**	**2**	**0.9**	**2.7**	**381**	
MW-3	03/21/2016	**2.8**	**0.81**	0.54	**1.4**	**387**	
MW-3	06/20/2016	**2.2**	0.34	0.36	0.35	**386**	
MW-3	09/26/2016	**2.2**	0.62	0.72	**1.2**	**412**	
MW-3	12/19/2016	**3.7**	0.56	0.6	**1.1**	**434**	
MW-3	03/06/2017	**1.4**	0.07	0.32	0.14	**406**	
MW-3	06/19/2017	**2.5**	0.13	0.68	0.36	**393**	
MW-3	09/25/2017	**2.18**	0.0676	0.33	0.243	**400**	
MW-3	12/19/2017	**3.81**	0.396	**0.863**	**1.02**	**418**	
MW-3	03/13/2018	**1.71**	<0.10	0.225	0.280 J	**398**	
MW-3	06/25/2018	**3.19**	0.143	0.560	**0.662**	**378**	
MW-3	09/19/2018	**1.82**	0.0546	0.364	0.273	**405**	Duplicate Sample Collected
MW-3 (Duplicate)	09/19/2018	**1.61**	0.0765	0.226	0.378	**399**	
MW-3	12/11/2018	<0.0010	0.106	0.312	0.343	NA	
MW-3	03/19/2019	**1.31**	0.127	0.250	0.285	**386**	
MW-3	06/04/2019	**0.759**	0.0413	0.106	0.149	NA	
MW-3	09/23/2019	**2.89**	0.124	0.323	0.385	**359**	
MW-3	12/11/2019	**0.578**	0.0148	0.0863	0.0978	NA	
MW-3	06/15/2020	**2.71**	<0.0050	0.556	**0.703**	NA	
MW-3	09/21/2020	**1.44**	<0.0500	0.202	0.295	412	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-4	3/2008	**0.0102**	<0.002	0.0093	0.0023		
MW-4	6/2008	**0.0439**	0.0068	0.0256	0.0147		
MW-4	9/2008	**0.514**	0.0203	0.443	0.125	**318**	
MW-4	12/2008	**1.32**	0.0812	**1.35**	0.239	**281**	
MW-4	3/2009	**3.61**	0.164	**3.4**	**0.831**	**229**	
MW-4	5/2009	**4.7**	0.428	**2.94**	**1.03**	**226**	
MW-4	9/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/2009	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	3/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	03/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	06/22/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	09/17/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/08/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	03/10/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	06/05/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	09/09/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/04/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	02/22/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	06/02/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	09/10/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/03/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	02/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	06/03/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-4	12/01/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	02/25/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	06/01/2015	**0.59**	**1.3**	0.71	**2.2**	**289**	
MW-4	08/31/2015	**0.089**	0.031	0.036	0.12	**287**	
MW-4	12/14/2015	**0.43**	0.38	0.63	**1.8**	**280**	
MW-4	03/21/2016	**0.44**	0.3	**0.82**	**2.3**	**286**	
MW-4	06/20/2016	**0.036**	0.0016	0.029	0.052	**314**	
MW-4	09/26/2016	**0.038**	<0.0010	0.0068	0.02	**305**	
MW-4	12/19/2016	**0.41**	0.023	0.38	**0.88**	**310**	
MW-4	03/06/2017	0.0052	<0.0050	0.0051	0.0083	**341**	
MW-4	06/19/2017	**0.034**	<0.0050	0.098	0.26	**319**	
MW-4	09/25/2017	**0.727**	<0.5	0.722	**1.02**	**314**	
MW-4	12/19/2017	**0.285**	0.0118	**1.22**	**2.83**	**338**	
MW-4	03/13/2018	**0.0508**	<0.010	0.104	0.239	**349**	
MW-4	06/25/2018	**0.187**	<0.0050	0.426	**0.779**	**321**	
MW-4	09/19/2018	**0.0103**	<0.0010	0.0148	0.0318	**330**	
MW-4	12/11/2018	**0.0889**	<0.0010	0.0955	0.210	NA	
MW-4	03/19/2019	**0.235**	<0.0010	0.232	0.392	**307**	
MW-4	06/04/2019	**0.0582**	<0.0010	0.0337	0.0503	NA	
MW-4	09/23/2019	**0.205**	0.000725	0.122	0.204	**294**	
MW-4	12/11/2019	**0.0418**	<0.0100	<0.0100	0.0307	NA	
MW-4	06/15/2020	**0.373**	<0.0100	0.275	0.382	NA	
MW-4	09/21/2020	**0.00789**	<0.00100	0.00433	0.00390	**315**	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
RR-EXTENSION PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-5	3/2008	0.0019	<0.002	0.0012	<0.006		
MW-5	6/2008	0.0037	<0.002	0.0037	<0.006		
MW-5	9/2008	0.0038	<0.002	0.0037	<0.006	**373**	
MW-5	12/2008	0.0031	<0.002	0.004	<0.006	**318**	
MW-5	3/2009	0.0067	<0.002	0.0074	<0.006	**288**	
MW-5	5/2009	0.0064	<0.002	0.0089	<0.006	**363**	
MW-5	9/2009	0.0082	0.00066	0.0132	<0.006	**358**	
MW-5	12/2009	0.0096	0.0013	0.0155	0.0021	**313**	
MW-5	3/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	6/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	9/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	12/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	03/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	06/22/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	09/17/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	12/08/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	03/10/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	06/05/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	09/09/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	12/04/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	02/22/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	06/02/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	09/10/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	12/03/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	02/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	06/03/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-5	12/01/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	02/25/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-5	06/01/2015	**0.5**	**1.9**	**1.4**	**4**	**424**	
MW-5	08/31/2015	**0.024**	0.027	0.061	0.091	**741**	
MW-5	12/14/2015	**0.36**	**0.83**	**0.83**	**2.2**	**407**	
MW-5	03/21/2016	**0.19**	0.56	0.72	**2.3**	**413**	
MW-5	06/20/2016	**0.19**	0.49	0.69	**2**	**410**	Duplicate Sample Collected
MW-5 (Duplicate)	06/20/2016	**0.054**	0.14	0.23	**0.66**	**410**	
MW-5	09/26/2016	**0.093**	0.29	0.29	**0.88**	**432**	Duplicate Sample Collected
MW-5 (Duplicate)	09/26/2016	**0.16**	0.47	0.49	**1.5**	**444**	
MW-5	12/19/2016	**0.091**	0.04	0.46	**1.3**	**427**	Duplicate Sample Collected
MW-5 (Duplicate)	12/19/2016	**0.15**	0.072	**0.79**	**2.2**	**447**	
MW-5	03/06/2017	**0.029**	0.0051	0.17	0.4	**417**	Duplicate Sample Collected
MW-5 (Duplicate)	03/06/2017	**0.039**	0.0064	0.15	0.55	**429**	
MW-5	06/19/2017	**0.05**	<0.0050	**0.32**	**0.82**	**402**	
MW-5 (Duplicate)	06/19/2017	**0.04**	0.0012	0.15	0.38	**408**	
MW-5	09/25/2017	**0.0174**	0.00102	0.0779	0.175	**422**	Duplicate Sample Collected
MW-5 (Duplicate)	09/25/2017	**0.0229**	<0.0050	0.116	0.267	**401**	
MW-5	12/19/2017	**0.0541**	0.00155	0.517	**1.28**	**426**	Duplicate Sample Collected
MW-5 (Duplicate)	12/19/2017	**0.050**	<0.0050	0.459	**1.16**	**466**	
MW-5	03/13/2018	**0.04**	<0.020	0.188	0.481	**433**	Duplicate Sample Collected
MW-5 (Duplicate)	03/13/2018	**0.0306**	<0.0050	0.159	0.415	**428**	
MW-5	06/25/2018	0.00685	<0.0010	0.0365	0.0831	**399**	Duplicate Sample Collected
MW-5 (Duplicate)	06/25/2018	**0.0244**	0.000663 J	0.0829	0.183	**421**	
MW-5	09/19/2018	**0.14**	0.0145 J	0.507	**1.08**	**421**	
MW-5	12/11/2018	**0.0702**	0.0152 J	0.111	0.218	NA	Duplicate Sample Collected

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-5 (Duplicate)	12/11/2018	**0.101**	0.00984	0.186	0.401	NA	
MW-5	03/19/2019	**0.0536**	<0.020	0.206	0.464	**421**	Duplicate Sample Collected
MW-5 (Duplicate)	03/19/2019	**0.0628**	0.0021 J	0.231	0.515	**434**	
MW-5	06/04/2019	**0.03**	<0.0050	0.0996	0.222	NA	Duplicate Sample Collected
MW-5 (Duplicate)	06/04/2019	**0.0266**	<0.0050	0.0807	0.175	NA	
MW-5	09/23/2019	**0.0503**	<0.0010	0.129	0.267	**443**	Duplicate Sample Collected
MW-5 (Duplicate)	09/23/2019	**0.0388**	<0.0050	0.114	0.228	**435**	
MW-5	12/11/2019	**0.0721**	0.0326	0.155	0.376	NA	Duplicate Sample Collected
MW-5 (Duplicate)	12/11/2019	**0.0657**	0.0132	0.139	0.324	NA	
MW-5	06/15/2020	**0.0662**	<0.0010	0.0859	0.148	NA	Duplicate Sample Collected
MW-5 (Duplicate)	06/15/2020	**0.0668**	<0.0010	0.0825	0.137	NA	
MW-5	09/21/2020	**0.0215**	<0.0100	0.0423	0.0698	**463**	Duplicate Sample Collected
MW-5 (Duplicate)	09/21/2020	**0.0123**	<0.0010	0.0205	0.0325	**463**	
MW-6	6/2008	<0.002	<0.002	<0.002	<0.006		
MW-6	9/2008	<0.002	<0.002	<0.002	<0.006	**363**	
MW-6	12/2008	<0.002	<0.002	<0.002	<0.006	**325**	
MW-6	3/2009	<0.002	<0.002	<0.002	<0.006	**298**	
MW-6	5/2009	<0.002	<0.002	<0.002	<0.006	**308**	
MW-6	9/2009	<0.002	<0.002	<0.002	<0.006	**296**	
MW-6	12/2009	<0.002	<0.002	<0.002	<0.006	**393**	
MW-6	3/2010	<0.002	<0.002	<0.002	<0.006	**700**	
MW-6	6/2010	<0.001	<0.002	<0.002	<0.002	**402**	
MW-6	9/2010	<0.001	<0.002	<0.002	<0.004	**337**	
MW-6	12/2010	<0.001	<0.002	<0.002	<0.004	**359**	
MW-6	03/30/2011	<0.001	<0.002	<0.002	<0.002	**386**	
MW-6	06/22/2011	<0.001	<0.002	<0.002	<0.004	**376**	
MW-6	09/17/2011	<0.001	<0.002	<0.002	<0.004	**383**	
MW-6	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**372**	
MW-6	03/10/2012	<0.001	<0.002	<0.002	<0.004	**406**	
MW-6	06/05/2012	<0.001	<0.002	<0.002	<0.003	**381**	
MW-6	09/09/2012	<0.001	<0.002	<0.002	<0.003	**377**	
MW-6	12/04/2012	<0.001	<0.002	<0.002	<0.003	**358**	
MW-6	02/22/2013	<0.001	<0.002	<0.002	<0.003	**385**	
MW-6	06/02/2013	<0.001	<0.002	<0.002	<0.003	**372**	
MW-6	09/10/2013	<0.001	<0.002	<0.002	<0.003	**367**	
MW-6	12/03/2013	<0.001	<0.002	<0.002	<0.003	**373**	
MW-6	02/27/2014	<0.001	<0.002	<0.002	<0.003	**395**	
MW-6	06/03/2014	<0.001	<0.002	<0.002	<0.003	**390**	
MW-6	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-6	12/01/2014	<0.001	<0.001	<0.001	<0.003	**358**	
MW-6	02/25/2015	<0.001	<0.001	<0.001	<0.003	**389**	
MW-6	06/01/2015	<0.001	<0.001	<0.001	<0.003	**417**	
MW-6	08/31/2015	<0.001	<0.001	<0.001	<0.003	**400**	
MW-6	12/14/2015	<0.001	<0.001	<0.001	<0.003	**391**	
MW-6	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**385**	
MW-6	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**412**	
MW-6	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**392**	
MW-6	12/19/2016	<0.0010	<0.0010	<0.0010	0.0024	**405**	
MW-6	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**401**	
MW-6	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**386**	
MW-6	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**370**	
MW-6	12/19/2017	0.000607 J	<0.0010	<0.0010	<0.0030	**347**	
MW-6	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**365**	
MW-6	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**381**	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-6	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**367**	
MW-6	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-6	03/19/2019	<0.0010	<0.0010	<0.0010	<0.0030	**346**	
MW-6	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-6	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**387**	
MW-6	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-6	06/15/2020	0.000119 J	<0.0010	<0.0010	<0.0030	NA	
MW-6	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**412**	
MW-7	6/2008	<0.002	<0.002	<0.002	<0.006		
MW-7	9/2008	<0.002	<0.002	<0.002	<0.006	**378**	
MW-7	12/2008	<0.002	<0.002	<0.002	<0.006	**348**	
MW-7	3/2009	<0.002	<0.002	<0.002	<0.006	**283**	
MW-7	5/2009	<0.002	<0.002	<0.002	<0.006	**298**	
MW-7	9/2009	<0.002	<0.002	<0.002	<0.006	**273**	
MW-7	12/2009	<0.002	<0.002	<0.002	<0.006	**328**	
MW-7	3/2010	<0.002	<0.002	<0.002	<0.006	**750**	
MW-7	6/2010	0.0005	<0.002	<0.002	<0.006	**385**	
MW-7	9/2010	0.00042	<0.002	<0.002	<0.004	**326**	
MW-7	12/2010	<0.002	<0.002	<0.002	<0.006	**345**	
MW-7	03/30/2011	<0.001	<0.002	<0.002	<0.002	**382**	
MW-7	06/22/2011	<0.001	<0.002	<0.002	<0.004	**390**	
MW-7	09/17/2011	<0.001	<0.002	<0.002	<0.004	**374**	
MW-7	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**376**	
MW-7	03/10/2012	<0.001	<0.002	<0.002	<0.004	**392**	
MW-7	06/05/2012	<0.001	<0.002	<0.002	<0.003	**381**	
MW-7	09/09/2012	<0.001	<0.002	<0.002	<0.003	**362**	
MW-7	12/04/2012	<0.001	<0.002	<0.002	<0.003	**334**	
MW-7	02/22/2013	0.00059	<0.002	<0.002	<0.003	**363**	
MW-7	06/02/2013	<0.001	<0.002	<0.002	<0.003	**361**	
MW-7	09/10/2013	<0.001	<0.002	<0.002	<0.003	**332**	
MW-7	12/03/2013	<0.001	<0.002	<0.002	<0.003	**350**	
MW-7	02/27/2014	<0.001	<0.002	<0.002	<0.003	**358**	
MW-7	06/03/2014	<0.001	<0.002	<0.002	<0.003	**359**	
MW-7	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-7	12/01/2014	<0.001	<0.001	<0.001	<0.003	**332**	
MW-7	02/25/2015	<0.001	<0.001	<0.001	<0.003	**393**	
MW-7	06/01/2015	<0.001	<0.001	<0.001	<0.003	**371**	
MW-7	08/31/2015	<0.001	<0.001	<0.001	<0.003	**359**	
MW-7	12/14/2015	<0.001	<0.001	<0.001	<0.003	**338**	
MW-7	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**355**	
MW-7	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**379**	
MW-7	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**365**	
MW-7	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**358**	
MW-7	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**368**	
MW-7	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**342**	
MW-7	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**368**	
MW-7	12/19/2017	0.000562 J	<0.0010	<0.0010	<0.0030	**342**	
MW-7	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**346**	
MW-7	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**349**	
MW-7	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**366**	
MW-7	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-7	03/19/2019	<0.0010	<0.0010	<0.0010	<0.0030	**355**	
MW-7	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-7	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**410**	
MW-7	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-7	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-7	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**475**	
MW-8	6/2008	**0.0384**	0.00049	0.0255	0.0016		
MW-8	9/2008	**0.0301**	<0.002	0.0161	0.002	**512**	
MW-8	12/2008	0.00233	<0.002	0.011	<0.006	**393**	
MW-8	3/2009	**0.0218**	<0.002	0.0066	<0.006	**472**	
MW-8	5/2009	0.0098	<0.002	0.0049	<0.006	**450**	
MW-8	9/2009	<0.002	<0.002	<0.002	<0.006	**477**	
MW-8	12/2009	<0.002	<0.002	<0.002	<0.006	**472**	
MW-8	3/2010	<0.002	<0.002	<0.002	<0.006	**800**	
MW-8	6/2010	<0.001	<0.002	<0.002	<0.002	**553**	
MW-8	9/2010	<0.001	<0.002	<0.002	<0.004	**486**	
MW-8	12/2010	<0.001	<0.002	<0.002	<0.004	**533**	
MW-8	03/30/2011	<0.001	<0.002	<0.002	<0.002	**529**	
MW-8	06/22/2011	<0.001	<0.002	<0.002	<0.004	**524**	
MW-8	09/17/2011	<0.001	<0.002	<0.002	<0.004	**507**	
MW-8	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**521**	
MW-8	03/10/2012	<0.001	<0.002	<0.002	<0.004	**528**	
MW-8	06/05/2012	<0.001	<0.002	<0.002	<0.003	**527**	
MW-8	09/09/2012	<0.001	<0.002	<0.002	<0.003	**509**	
MW-8	12/04/2012	<0.001	<0.002	<0.002	<0.003	**500**	
MW-8	02/22/2013	0.00048	<0.002	<0.002	<0.003	**530**	
MW-8	06/02/2013	<0.001	<0.002	<0.002	<0.003	**524**	
MW-8	09/10/2013	<0.001	<0.002	<0.002	<0.003	**489**	
MW-8	12/03/2013	<0.001	<0.002	<0.002	<0.003	**508**	
MW-8	02/27/2014	<0.001	<0.002	<0.002	<0.003	**521**	
MW-8	06/03/2014	<0.001	<0.002	<0.002	<0.003	**521**	
MW-8	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-8	12/01/2014	<0.001	<0.001	<0.001	<0.003	**498**	
MW-8	02/25/2015	<0.001	<0.001	<0.001	<0.003	**523**	
MW-8	06/01/2015	<0.001	<0.001	<0.001	<0.003	**539**	
MW-8	08/31/2015	<0.001	<0.001	<0.001	<0.003	**517**	
MW-8	12/14/2015	<0.001	<0.001	<0.001	<0.003	**520**	
MW-8	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**494**	
MW-8	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**492**	
MW-8	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**508**	
MW-8	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**519**	
MW-8	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**517**	
MW-8	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**514**	
MW-8	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**499**	
MW-8	12/19/2017	0.000433 J	<0.0010	<0.0010	<0.0030	**540**	
MW-8	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**493**	
MW-8	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**562**	
MW-8	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**568**	
MW-8	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-8	03/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	**485**	
MW-8	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-8	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**637**	
MW-8	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-8	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-8	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**1090**	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-9	6/2010	LNAPL	LNAPL	LNAPL	LNAPL	**532**	
MW-9	9/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	03/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	06/22/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	09/17/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/08/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	03/10/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	06/05/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	09/09/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/04/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	02/22/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	06/02/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	09/10/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/03/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	02/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	06/03/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-9	12/01/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	02/25/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	06/01/2015	**3.9**	**5.6**	**1.8**	**5.2**	**408**	
MW-9	08/31/2015	**3.5**	**3.1**	0.73	**1.7**	**403**	
MW-9	12/14/2015	**4.6**	**4.6**	**0.77**	**1.8**	**389**	
MW-9	03/21/2016	**3.5**	**4.1**	**1.1**	**2.9**	**418**	
MW-9	06/20/2016	**4.4**	**5.4**	**1.1**	**3.2**	**417**	
MW-9	09/26/2016	**0.22**	0.044	0.094	0.19	**431**	
MW-9	12/19/2016	**0.32**	0.0015	0.051	0.071	**405**	
MW-9	03/06/2017	**0.92**	0.022	0.15	0.15	**378**	
MW-9	06/19/2017	**2.2**	0.29	0.47	0.64	**360**	
MW-9	09/25/2017	**5.03**	0.26	**0.842**	**0.991**	**310**	
MW-9	12/19/2017	**4.01**	0.151	**0.871**	**0.752**	**373**	
MW-9	03/13/2018	**1.79**	<0.050	0.0738	0.249	**370**	
MW-9	06/25/2018	**2.59**	0.0228 J	0.146	0.260	**327**	
MW-9	09/19/2018	**1.56**	0.00981 J	0.157	0.195	**358**	
MW-9	12/11/2018	**1.73**	0.0123	0.108	0.198	NA	
MW-9	03/19/2019	**2.15**	0.0272	0.184	0.235	**347**	
MW-9	06/04/2019	**0.42**	0.0043 J	0.00726 J	0.0301	NA	
MW-9	09/23/2019	**0.211**	0.00206	0.00863	0.0214	**351**	
MW-9	12/11/2019	**0.0453**	0.00306	0.00481	0.0187	NA	
MW-9	06/15/2020	**1.39**	0.340	0.0830	0.211	NA	
MW-9	09/21/2020	**1.54**	0.406	0.0840	0.280	**370**	
MW-10	6-2010	LNAPL	LNAPL	LNAPL	LNAPL	**656**	
MW-10	9-2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	12-2010	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	03/30/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	06/22/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	09/17/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	12/08/2011	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	03/10/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	06/05/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	09/09/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	12/04/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	02/22/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	06/02/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-10	09/10/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	12/03/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	02/27/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	06/03/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-10	12/01/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	02/25/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-10	06/01/2015	**0.75**	**1.7**	**1.6**	**3**	**563**	
MW-10	08/31/2015	**0.4**	0.046	0.6	**0.59**	**529**	
MW-10	12/14/2015	**1**	0.57	**0.98**	**2.6**	**521**	
MW-10	03/21/2016	<0.50 J	<0.50	0.51	**1.6**	**531**	
MW-10	06/20/2016	**0.93**	0.024	0.65	**2**	**520**	
MW-10	09/26/2016	**0.25**	0.0015	0.26	0.42	**531**	
MW-10	12/19/2016	**0.11**	0.0033	0.6	**1.5**	**510**	
MW-10	03/06/2017	**0.092**	0.0024	0.16	0.32	**525**	
MW-10	06/19/2017	**0.093**	<0.001	0.15	0.24	**492**	
MW-10	09/25/2017	**0.448**	<0.01	0.272	0.425	**496**	
MW-10	12/19/2017	**0.537**	0.00473 J	0.265	0.435	**547**	
MW-10	03/13/2018	**0.281**	<0.010	0.104	0.165	**530**	
MW-10	06/25/2018	**0.493**	0.00248 J	0.0490	0.0591	**464**	
MW-10	09/19/2018	**0.563**	0.00485 J	0.0470	0.0761	**486**	
MW-10	12/11/2018	**0.722**	0.0113	0.0566	0.107	NA	
MW-10	03/19/2019	**0.982**	0.0162	0.0784	0.172	**472**	
MW-10	06/04/2019	**0.889**	0.0213	0.0483	0.107	NA	
MW-10	09/23/2019	**1.28**	0.0623	0.0777	0.201	**489**	
MW-10	12/11/2019	**0.606**	<0.050	<0.050	<0.150	NA	
MW-10	06/15/2020	**0.525**	0.00278 J	0.0191	0.0382	NA	
MW-10	09/21/2020	**0.587**	0.00436 J	0.0455	0.109	**500**	
MW-11	6-2010	<0.001	<0.002	<0.002	<0.004	**407**	
MW-11	9-2010	<0.001	<0.002	<0.002	<0.004	**365**	
MW-11	12-2010	<0.001	<0.002	<0.002	<0.004	**383**	
MW-11	03/30/2011	<0.001	<0.002	<0.002	<0.002	**406**	
MW-11	06/22/2011	<0.001	<0.002	<0.002	<0.004	**405**	
MW-11	09/17/2011	<0.001	<0.002	<0.002	<0.004	**390**	
MW-11	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**399**	
MW-11	03/10/2012	<0.001	<0.002	<0.002	<0.004	**403**	
MW-11	06/05/2012	<0.001	<0.002	<0.002	<0.003	**417**	
MW-11	09/09/2012	<0.001	<0.002	<0.002	<0.003	**399**	
MW-11	12/04/2012	<0.001	<0.002	<0.002	<0.003	**382**	
MW-11	02/22/2013	0.0004	<0.002	<0.002	<0.003	**419**	
MW-11	06/02/2013	<0.001	<0.002	<0.002	<0.003	**424**	
MW-11	09/10/2013	<0.001	<0.002	<0.002	<0.003	**394**	
MW-11	12/03/2013	<0.001	<0.002	<0.002	<0.003	**416**	
MW-11	02/27/2014	<0.001	<0.002	<0.002	<0.003	**433**	
MW-11	06/03/2014	<0.001	<0.002	<0.002	<0.003	**434**	
MW-11	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-11	12/01/2014	<0.001	<0.001	<0.001	<0.003	**391**	
MW-11	02/25/2015	<0.001	<0.001	<0.001	<0.003	**414**	
MW-11	06/01/2015	<0.001	<0.001	<0.001	<0.003	**468**	
MW-11	08/31/2015	<0.001	<0.001	<0.001	<0.003	**429**	
MW-11	12/14/2015	<0.001	<0.001	<0.001	<0.003	**416**	
MW-11	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**434**	
MW-11	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**471**	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-11	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**444**	
MW-11	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**431**	
MW-11	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**444**	
MW-11	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**436**	
MW-11	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**440**	
MW-11	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	**444**	
MW-11	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**452**	
MW-11	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**420**	
MW-11	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**433**	
MW-11	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-11	03/19/2019	<0.0010	<0.0010	<0.0010	<0.0030	**410**	
MW-11	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-11	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**445**	
MW-11	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-11	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-11	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**471**	
MW-12	6-2010	<0.001	<0.002	<0.002	<0.004	**514**	
MW-12	9-2010	<0.001	<0.002	<0.002	<0.004	**464**	
MW-12	12-2010	<0.001	<0.002	<0.002	<0.004	**501**	
MW-12	03/30/2011	<0.001	<0.002	<0.002	<0.002	**498**	
MW-12	06/22/2011	<0.001	<0.002	<0.002	<0.004	**497**	
MW-12	09/17/2011	<0.001	<0.002	<0.002	<0.004	**493**	
MW-12	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**493**	
MW-12	03/10/2012	<0.001	<0.002	<0.002	<0.004	**513**	
MW-12	06/05/2012	<0.001	<0.002	<0.002	<0.003	**507**	
MW-12	09/09/2012	<0.001	<0.002	<0.002	<0.003	**487**	
MW-12	12/04/2012	<0.001	<0.002	<0.002	<0.003	**469**	
MW-12	02/22/2013	0.00041	<0.002	<0.002	<0.003	**484**	
MW-12	06/02/2013	<0.001	<0.002	<0.002	<0.003	**461**	
MW-12	09/10/2013	<0.001	<0.002	<0.002	<0.003	**428**	
MW-12	12/03/2013	<0.001	<0.002	<0.002	0.0031	**412**	
MW-12	02/27/2014	<0.001	<0.002	<0.002	0.0024 J	**414**	
MW-12	06/03/2014	<0.001	<0.002	<0.002	<0.003	**377**	
MW-12	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-12	12/01/2014	<0.001	<0.001	<0.001	<0.003	**300**	
MW-12	02/25/2015	<0.001	<0.001	<0.001	<0.003	**322**	
MW-12	06/01/2015	<0.001	<0.001	<0.001	<0.003	**351**	
MW-12	08/31/2015	<0.001	<0.001	<0.001	<0.003	**310**	
MW-12	12/14/2015	<0.001	<0.001	<0.001	<0.003	**295**	
MW-12	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**301**	
MW-12	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**309**	
MW-12	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**316**	
MW-12	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**309**	
MW-12	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**310**	
MW-12	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**314**	
MW-12	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**323**	
MW-12	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	**387**	
MW-12	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**354**	
MW-12	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**338**	
MW-12	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**358**	
MW-12	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-12	03/19/2019	<0.0010	<0.0010	<0.0010	<0.0030	**378**	
MW-12	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	

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Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-12	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**401**	
MW-12	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-12	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-12	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**413**	
MW-13	03/30/2011	<0.001	<0.002	<0.002	<0.002	**326**	
MW-13	06/22/2011	<0.001	<0.002	<0.002	<0.004	**340**	
MW-13	09/17/2011	<0.001	<0.002	<0.002	<0.004	**317**	
MW-13	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**328**	
MW-13	03/10/2012	<0.001	<0.002	<0.002	<0.004	**331**	
MW-13	06/05/2012	<0.001	<0.002	<0.002	<0.003	**335**	
MW-13	09/09/2012	<0.001	<0.002	<0.002	<0.003	**321**	
MW-13	12/04/2012	<0.001	<0.002	<0.002	<0.003	**317**	
MW-13	02/22/2013	0.00073	<0.002	<0.002	<0.003	**337**	
MW-13	06/02/2013	<0.001	<0.002	<0.002	<0.003	**333**	
MW-13	09/10/2013	<0.001	<0.002	<0.002	<0.003	**311**	
MW-13	12/03/2013	<0.001	<0.002	<0.002	<0.003	**330**	
MW-13	02/27/2014	<0.001	<0.002	<0.002	<0.003	**344**	
MW-13	06/03/2014	<0.001	<0.002	<0.002	<0.003	**354**	MS/MSD Sample Collected
MW-13	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-13	12/01/2014	<0.001	<0.001	<0.001	<0.003	**310**	
MW-13	02/25/2015	<0.001	<0.001	<0.001	<0.003	**326**	
MW-13	06/01/2015	<0.001	<0.001	<0.001	<0.003	**362**	
MW-13	08/31/2015	<0.001	<0.001	<0.001	<0.003	**332**	
MW-13	12/14/2015	<0.001	<0.001	<0.001	<0.003	**315**	
MW-13	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**330**	
MW-13	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**328**	
MW-13	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**339**	
MW-13	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**333**	
MW-13	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**340**	
MW-13	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**313**	
MW-13	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**327**	
MW-13	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	**318**	
MW-13	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**339**	
MW-13	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**313**	
MW-13	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**338**	
MW-13	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-13	03/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	**330**	
MW-13	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-13	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**346**	
MW-13	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-13	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-13	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**385**	
MW-14	03/30/2011	<0.001	<0.002	<0.002	<0.002	**520**	
MW-14	06/22/2011	<0.001	<0.002	<0.002	<0.004	**494**	
MW-14	09/17/2011	<0.001	<0.002	<0.002	<0.004	**478**	
MW-14	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**521**	
MW-14	03/10/2012	<0.001	<0.002	<0.002	<0.004	**528**	
MW-14	06/05/2012	<0.001	<0.002	<0.002	<0.003	**513**	
MW-14	09/09/2012	<0.001	<0.002	<0.002	<0.003	**536**	
MW-14	12/04/2012	<0.001	<0.002	<0.002	<0.003	**544**	
MW-14	02/22/2013	0.00034	<0.002	<0.002	<0.003	**553**	
MW-14	06/02/2013	<0.001	<0.002	<0.002	<0.003	**538**	
MW-14	09/10/2013	<0.001	<0.002	<0.002	<0.003	**486**	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
RR-EXTENSION PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-14	12/03/2013	<0.001	<0.002	<0.002	<0.003	**519**	
MW-14	02/27/2014	<0.001	<0.002	<0.002	<0.003	**516**	
MW-14	06/03/2014	<0.001	<0.002	<0.002	<0.003	**547**	
MW-14	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-14	12/01/2014	<0.001	<0.001	<0.001	<0.003	**482**	
MW-14	02/25/2015	<0.001	<0.001	<0.001	<0.003	**477**	
MW-14	06/01/2015	<0.001	<0.001	<0.001	<0.003	**502**	
MW-14	08/31/2015	<0.001	<0.001	<0.001	<0.003	**472**	
MW-14	12/14/2015	<0.001	<0.001	<0.001	<0.003	**430**	
MW-14	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**445**	
MW-14	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**451**	
MW-14	09/26/2016	<0.0010	0.0011	<0.0010	<0.0030	**455**	
MW-14	12/19/2016	<0.0010	0.0011	<0.0010	<0.0010	**432**	
MW-14	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**422**	
MW-14	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**398**	
MW-14	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**397**	
MW-14	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	**431**	
MW-14	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**398**	
MW-14	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**369**	
MW-14	09/18/2018	<0.0010	<0.0010	<0.0010	<0.0030	**389**	
MW-14	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-14	03/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	**370**	
MW-14	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-14	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**375**	
MW-14	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-14	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-14	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**399**	
MW-15	03/30/2011	<0.001	<0.002	<0.002	<0.002	**303**	
MW-15	06/22/2011	<0.001	<0.002	<0.002	<0.004	**297**	
MW-15	09/17/2011	<0.001	<0.002	<0.002	<0.004	**294**	
MW-15	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**288**	
MW-15	03/10/2012	<0.001	<0.002	<0.002	<0.004	**308**	
MW-15	06/05/2012	<0.001	<0.002	<0.002	<0.003	**276**	
MW-15	09/09/2012	<0.001	<0.002	<0.002	<0.003	**318**	
MW-15	12/04/2012	<0.001	<0.002	<0.002	<0.003	**313**	
MW-15	02/22/2013	0.00034	<0.002	<0.002	<0.003	**333**	
MW-15	06/02/2013	<0.001	<0.002	<0.002	<0.003	**324**	
MW-15	09/10/2013	<0.001	<0.002	<0.002	<0.003	**331**	
MW-15	12/03/2013	<0.001	<0.002	<0.002	<0.003	**365**	
MW-15	02/27/2014	<0.001	<0.002	<0.002	<0.003	**378**	
MW-15	06/03/2014	<0.001	<0.002	<0.002	<0.003	**374**	
MW-15	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-15	12/01/2014	<0.001	<0.001	<0.001	<0.003	**334**	
MW-15	02/25/2015	<0.001	<0.001	<0.001	<0.003	**362**	
MW-15	06/01/2015	<0.001	<0.001	<0.001	<0.003	**407**	
MW-15	08/31/2015	<0.001	<0.001	<0.001	<0.003	**405**	
MW-15	12/14/2015	<0.001	<0.001	<0.001	<0.003	**390**	
MW-15	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**409**	
MW-15	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**405**	
MW-15	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**430**	
MW-15	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**418**	
MW-15	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**438**	
MW-15	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**401**	
MW-15	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**422**	

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LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-15	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	**398**	
MW-15	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**424**	
MW-15	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**391**	
MW-15	09/18/2018	<0.0010	<0.0010	<0.0010	<0.0030	**417**	
MW-15	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-15	03/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	**427**	
MW-15	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-15	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**417**	
MW-15	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-15	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-15	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**451**	
MW-16	03/30/2011	<0.001	<0.002	<0.002	<0.002	**295**	
MW-16	06/22/2011	<0.001	<0.002	<0.002	<0.004	**292**	
MW-16	09/17/2011	<0.001	<0.002	<0.002	<0.004	**295**	
MW-16	12/08/2011	<0.0005	<0.001	<0.001	<0.001	**313**	
MW-16	03/10/2012	<0.001	<0.002	<0.002	<0.004	**322**	
MW-16	06/05/2012	<0.001	<0.002	<0.002	<0.003	**334**	
MW-16	09/09/2012	<0.001	<0.002	<0.002	<0.003	**334**	
MW-16	12/04/2012	<0.001	<0.002	<0.002	<0.003	**339**	
MW-16	02/22/2013	<0.001	<0.002	<0.002	<0.003	**358**	
MW-16	06/02/2013	<0.001	<0.002	<0.002	<0.003	**364**	
MW-16	09/10/2013	<0.001	<0.002	<0.002	<0.003	**359**	
MW-16	12/03/2013	<0.001	<0.002	<0.002	<0.003	**394**	
MW-16	02/27/2014	<0.001	<0.002	<0.002	<0.003	**424**	
MW-16	06/03/2014	<0.001	<0.002	<0.002	<0.003	**333**	
MW-16	Third Quarter 2014 Sampling Suspended Due to Site Inaccessibility						
MW-16	12/01/2014	<0.001	<0.001	<0.001	<0.003	**418**	
MW-16	02/25/2015	<0.001	<0.001	<0.001	<0.003	**435**	
MW-16	06/01/2015	<0.001	<0.001	<0.001	<0.003	**458**	
MW-16	08/31/2015	<0.001	<0.001	<0.001	<0.003	**425**	
MW-16	12/14/2015	<0.001	<0.001	<0.001	<0.003	**469**	
MW-16	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**437**	
MW-16	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**423**	
MW-16	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**463**	
MW-16	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	**445**	
MW-16	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	**433**	
MW-16	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**435**	
MW-16	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	**437**	
MW-16	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	**488**	
MW-16	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	**454**	
MW-16	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**437**	
MW-16	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	**471**	
MW-16	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-16	03/18/2019	<0.0010	<0.0010	<0.0010	<0.0030	**481**	
MW-16	06/03/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-16	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	**489**	
MW-16	12/10/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-16	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
MW-16	09/21/2020	<0.00100	<0.00100	<0.00100	<0.00300	**551**	

APPENDIX A
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BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
RR-EXTENSION PIPELINE RELEASE
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Chlorides (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
Trip Blank	06/03/2014	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	12/01/2014	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	02/25/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	06/01/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	08/31/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	12/14/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	03/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	06/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	09/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	03/06/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	06/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	09/25/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/19/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	03/13/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	06/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	09/19/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/11/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	03/19/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	06/04/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	09/23/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/11/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	06/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	09/21/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	

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
B = A qualifier indicating an analyte was detected in both the sample and the associated Method Blank (MB)
J = A qualifier indicating the identification of the analyte is acceptable; the reported value is an estimate.
NS = Not Sampled
NA = Not Analyzed
mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

- Pace Analytical Job #: L1265522

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 15, 2020

DCP Midstream - Tasman

Sample Delivery Group:	L1265522
Samples Received:	09/23/2020
Project Number:	
Description:	RR - Extension

Report To:

Kyle Norman
2620 W. Marland Blvd
Hobbs, NM 88240

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

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MW-1 L1265522-01 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 08:35 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 17:44	09/27/20 17:44	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551627	1	09/30/20 17:46	09/30/20 17:46	ADM	Mt. Juliet, TN

MW-2 L1265522-02 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 09:50 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 19:00	09/27/20 19:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551627	1	09/30/20 18:06	09/30/20 18:06	ADM	Mt. Juliet, TN

MW-3 L1265522-03 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 14:15 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 19:10	09/27/20 19:10	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551068	50	09/30/20 00:59	09/30/20 00:59	JCP	Mt. Juliet, TN

MW-4 L1265522-04 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 12:25 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 19:21	09/27/20 19:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1552083	1	10/01/20 14:32	10/01/20 14:32	DWR	Mt. Juliet, TN

MW-5 L1265522-05 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 13:25 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 19:32	09/27/20 19:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551068	10	09/30/20 01:38	09/30/20 01:38	JCP	Mt. Juliet, TN

MW-6 L1265522-06 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 13:50 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 19:43	09/27/20 19:43	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551627	1	09/30/20 18:27	09/30/20 18:27	ADM	Mt. Juliet, TN

MW-7 L1265522-07 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 14:35 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 19:54	09/27/20 19:54	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551879	1	10/01/20 00:07	10/01/20 00:07	JHH	Mt. Juliet, TN

MW-8 L1265522-08 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 09:00 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	20	09/28/20 17:05	09/28/20 17:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 12:31	09/29/20 12:31	JCP	Mt. Juliet, TN

MW-9 L1265522-09 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 10:15 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 20:16	09/27/20 20:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	10	09/29/20 17:29	09/29/20 17:29	JCP	Mt. Juliet, TN

MW-10 L1265522-10 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 12:05 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 20:26	09/27/20 20:26	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	10	09/29/20 17:49	09/29/20 17:49	JCP	Mt. Juliet, TN

MW-11 L1265522-11 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 13:00 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 20:37	09/27/20 20:37	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 12:50	09/29/20 12:50	JCP	Mt. Juliet, TN

MW-12 L1265522-12 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 11:40 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 21:10	09/27/20 21:10	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 13:10	09/29/20 13:10	JCP	Mt. Juliet, TN

MW-13 L1265522-13 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 09:25 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 21:21	09/27/20 21:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 13:30	09/29/20 13:30	JCP	Mt. Juliet, TN

MW-14 L1265522-14 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 10:35 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 21:32	09/27/20 21:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 13:50	09/29/20 13:50	JCP	Mt. Juliet, TN

MW-15 L1265522-15 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 10:55 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 21:42	09/27/20 21:42	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 14:10	09/29/20 14:10	JCP	Mt. Juliet, TN

MW-16 L1265522-16 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 11:20 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 21:53	09/27/20 21:53	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 14:30	09/29/20 14:30	JCP	Mt. Juliet, TN

DUPLICATE L1265522-17 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 00:00 | Received date/time: 09/23/20 09:00

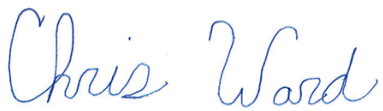
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1549109	10	09/27/20 22:39	09/27/20 22:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1552081	1	10/01/20 13:11	10/01/20 13:11	DWR	Mt. Juliet, TN

TRIP BLANK L1265522-18 GW

Collected by: Becky Griffin | Collected date/time: 09/21/20 12:30 | Received date/time: 09/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1551072	1	09/29/20 12:11	09/29/20 12:11	JCP	Mt. Juliet, TN

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



Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	508		3.79	10.0	10	09/27/2020 17:44	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/30/2020 17:46	WG1551627
Toluene	U		0.000278	0.00100	1	09/30/2020 17:46	WG1551627
Ethylbenzene	U		0.000137	0.00100	1	09/30/2020 17:46	WG1551627
Total Xylenes	U		0.000174	0.00300	1	09/30/2020 17:46	WG1551627
(S) Toluene-d8	*103*			*80.0-120*		*09/30/2020 17:46*	WG1551627
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*09/30/2020 17:46*	WG1551627
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*09/30/2020 17:46*	WG1551627

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	309		3.79	10.0	10	09/27/2020 19:00	WG1549109

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	0.0335		0.0000941	0.00100	1	09/30/2020 18:06	WG1551627
Toluene	U		0.000278	0.00100	1	09/30/2020 18:06	WG1551627
Ethylbenzene	U		0.000137	0.00100	1	09/30/2020 18:06	WG1551627
Total Xylenes	0.000749	J	0.000174	0.00300	1	09/30/2020 18:06	WG1551627
(S) Toluene-d8	*95.8*			*80.0-120*		*09/30/2020 18:06*	WG1551627
(S) 4-Bromofluorobenzene	*88.0*			*77.0-126*		*09/30/2020 18:06*	WG1551627
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/30/2020 18:06*	WG1551627

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	412		3.79	10.0	10	09/27/2020 19:10	WG1549109

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	1.44		0.00471	0.0500	50	09/30/2020 00:59	WG1551068
Toluene	U		0.0139	0.0500	50	09/30/2020 00:59	WG1551068
Ethylbenzene	0.202		0.00685	0.0500	50	09/30/2020 00:59	WG1551068
Total Xylenes	0.295		0.00870	0.150	50	09/30/2020 00:59	WG1551068
(S) Toluene-d8	*102*			*80.0-120*		*09/30/2020 00:59*	WG1551068
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*09/30/2020 00:59*	WG1551068
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*09/30/2020 00:59*	WG1551068

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	315		3.79	10.0	10	09/27/2020 19:21	WG1549109

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	0.00789		0.0000941	0.00100	1	10/01/2020 14:32	WG1552083
Toluene	U		0.000278	0.00100	1	10/01/2020 14:32	WG1552083
Ethylbenzene	0.00433		0.000137	0.00100	1	10/01/2020 14:32	WG1552083
Total Xylenes	0.00390		0.000174	0.00300	1	10/01/2020 14:32	WG1552083
(S) Toluene-d8	*94.8*			*80.0-120*		*10/01/2020 14:32*	WG1552083
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*10/01/2020 14:32*	WG1552083
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*10/01/2020 14:32*	WG1552083

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	463		3.79	10.0	10	09/27/2020 19:32	WG1549109

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	0.0215		0.000941	0.0100	10	09/30/2020 01:38	WG1551068
Toluene	U		0.00278	0.0100	10	09/30/2020 01:38	WG1551068
Ethylbenzene	0.0423		0.00137	0.0100	10	09/30/2020 01:38	WG1551068
Total Xylenes	0.0698		0.00174	0.0300	10	09/30/2020 01:38	WG1551068
(S) Toluene-d8	*104*			*80.0-120*		*09/30/2020 01:38*	WG1551068
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*09/30/2020 01:38*	WG1551068
(S) 1,2-Dichloroethane-d4	*92.0*			*70.0-130*		*09/30/2020 01:38*	WG1551068

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	412		3.79	10.0	10	09/27/2020 19:43	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/30/2020 18:27	WG1551627
Toluene	U		0.000278	0.00100	1	09/30/2020 18:27	WG1551627
Ethylbenzene	U		0.000137	0.00100	1	09/30/2020 18:27	WG1551627
Total Xylenes	U		0.000174	0.00300	1	09/30/2020 18:27	WG1551627
(S) Toluene-d8	*101*			*80.0-120*		*09/30/2020 18:27*	WG1551627
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*09/30/2020 18:27*	WG1551627
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*09/30/2020 18:27*	WG1551627

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	475		3.79	10.0	10	09/27/2020 19:54	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/01/2020 00:07	WG1551879
Toluene	U		0.000278	0.00100	1	10/01/2020 00:07	WG1551879
Ethylbenzene	U		0.000137	0.00100	1	10/01/2020 00:07	WG1551879
Total Xylenes	U		0.000174	0.00300	1	10/01/2020 00:07	WG1551879
(S) Toluene-d8	*106*			*80.0-120*		*10/01/2020 00:07*	WG1551879
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*10/01/2020 00:07*	WG1551879
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/01/2020 00:07*	WG1551879

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1090		7.58	20.0	20	09/28/2020 17:05	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 12:31	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 12:31	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 12:31	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 12:31	WG1551072
(S) Toluene-d8	*98.1*			*80.0-120*		*09/29/2020 12:31*	WG1551072
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*		*09/29/2020 12:31*	WG1551072
(S) 1,2-Dichloroethane-d4	*87.8*			*70.0-130*		*09/29/2020 12:31*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	370		3.79	10.0	10	09/27/2020 20:16	WG1549109

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	1.54		0.000941	0.0100	10	09/29/2020 17:29	WG1551072
Toluene	0.406		0.00278	0.0100	10	09/29/2020 17:29	WG1551072
Ethylbenzene	0.0840		0.00137	0.0100	10	09/29/2020 17:29	WG1551072
Total Xylenes	0.280		0.00174	0.0300	10	09/29/2020 17:29	WG1551072
(S) Toluene-d8	*103*			*80.0-120*		*09/29/2020 17:29*	WG1551072
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*09/29/2020 17:29*	WG1551072
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*09/29/2020 17:29*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	500		3.79	10.0	10	09/27/2020 20:26	WG1549109

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	0.587		0.000941	0.0100	10	09/29/2020 17:49	WG1551072
Toluene	0.00436	J	0.00278	0.0100	10	09/29/2020 17:49	WG1551072
Ethylbenzene	0.0455		0.00137	0.0100	10	09/29/2020 17:49	WG1551072
Total Xylenes	0.109		0.00174	0.0300	10	09/29/2020 17:49	WG1551072
(S) Toluene-d8	*97.8*			*80.0-120*		*09/29/2020 17:49*	WG1551072
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*		*09/29/2020 17:49*	WG1551072
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*09/29/2020 17:49*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	471		3.79	10.0	10	09/27/2020 20:37	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 12:50	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 12:50	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 12:50	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 12:50	WG1551072
(S) Toluene-d8	*100*			*80.0-120*		*09/29/2020 12:50*	WG1551072
(S) 4-Bromofluorobenzene	*94.5*			*77.0-126*		*09/29/2020 12:50*	WG1551072
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*09/29/2020 12:50*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	413		3.79	10.0	10	09/27/2020 21:10	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 13:10	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 13:10	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 13:10	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 13:10	WG1551072
(S) Toluene-d8	*92.7*			*80.0-120*		*09/29/2020 13:10*	WG1551072
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*		*09/29/2020 13:10*	WG1551072
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*09/29/2020 13:10*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	385		3.79	10.0	10	09/27/2020 21:21	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 13:30	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 13:30	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 13:30	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 13:30	WG1551072
(S) Toluene-d8	*109*			*80.0-120*		*09/29/2020 13:30*	WG1551072
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/29/2020 13:30*	WG1551072
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*09/29/2020 13:30*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	399		3.79	10.0	10	09/27/2020 21:32	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 13:50	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 13:50	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 13:50	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 13:50	WG1551072
(S) Toluene-d8	*103*			*80.0-120*		*09/29/2020 13:50*	WG1551072
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*		*09/29/2020 13:50*	WG1551072
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*09/29/2020 13:50*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	451		3.79	10.0	10	09/27/2020 21:42	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 14:10	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 14:10	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 14:10	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 14:10	WG1551072
(S) Toluene-d8	*105*			*80.0-120*		*09/29/2020 14:10*	WG1551072
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*09/29/2020 14:10*	WG1551072
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*09/29/2020 14:10*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	551		3.79	10.0	10	09/27/2020 21:53	WG1549109

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 14:30	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 14:30	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 14:30	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 14:30	WG1551072
(S) Toluene-d8	*103*			*80.0-120*		*09/29/2020 14:30*	WG1551072
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*09/29/2020 14:30*	WG1551072
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*09/29/2020 14:30*	WG1551072

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	463		3.79	10.0	10	09/27/2020 22:39	WG1549109

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	0.0123		0.0000941	0.00100	1	10/01/2020 13:11	WG1552081
Toluene	U		0.000278	0.00100	1	10/01/2020 13:11	WG1552081
Ethylbenzene	0.0205		0.000137	0.00100	1	10/01/2020 13:11	WG1552081
Total Xylenes	0.0325		0.000174	0.00300	1	10/01/2020 13:11	WG1552081
(S) Toluene-d8	*87.9*			*80.0-120*		*10/01/2020 13:11*	WG1552081
(S) 4-Bromofluorobenzene	*86.7*			*77.0-126*		*10/01/2020 13:11*	WG1552081
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*10/01/2020 13:11*	WG1552081

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/29/2020 12:11	WG1551072
Toluene	U		0.000278	0.00100	1	09/29/2020 12:11	WG1551072
Ethylbenzene	U		0.000137	0.00100	1	09/29/2020 12:11	WG1551072
Total Xylenes	U		0.000174	0.00300	1	09/29/2020 12:11	WG1551072
(S) Toluene-d8	*105*			*80.0-120*		*09/29/2020 12:11*	WG1551072
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*09/29/2020 12:11*	WG1551072
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*09/29/2020 12:11*	WG1551072

Method Blank (MB)

(MB) R3575407-1 09/27/20 13:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1265522-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1265522-01 09/27/20 17:44 • (DUP) R3575407-3 09/27/20 17:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	508	506	10	0.428		15

L1265522-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1265522-16 09/27/20 21:53 • (DUP) R3575407-6 09/27/20 22:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	551	548	10	0.576		15

Laboratory Control Sample (LCS)

(LCS) R3575407-2 09/27/20 13:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.4	101	80.0-120	

L1265522-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1265522-02 09/27/20 18:05 • (MS) R3575407-4 09/27/20 18:16 • (MSD) R3575407-5 09/27/20 18:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	312	347	347	71.0	69.7	1	80.0-120	E V	E V	0.190	15

L1265522-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1265522-17 09/27/20 22:15 • (MS) R3575407-7 09/27/20 22:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	465	494	56.9	1	80.0-120	E V

Method Blank (MB)

(MB) R3576351-2 09/29/20 20:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3576351-1 09/29/20 20:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00478	95.6	70.0-123	
Ethylbenzene	0.00500	0.00492	98.4	79.0-123	
Toluene	0.00500	0.00505	101	79.0-120	
Xylenes, Total	0.0150	0.0153	102	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*92.6*	*70.0-130*	

Method Blank (MB)

(MB) R3576352-3 09/29/20 09:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*

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

(LCS) R3576352-1 09/29/20 08:54 • (LCSD) R3576352-2 09/29/20 09:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00451	0.00536	90.2	107	70.0-123			17.2	20
Ethylbenzene	0.00500	0.00454	0.00553	90.8	111	79.0-123			19.7	20
Toluene	0.00500	0.00457	0.00554	91.4	111	79.0-120			19.2	20
Xylenes, Total	0.0150	0.0139	0.0167	92.7	111	79.0-123			18.3	20
(S) Toluene-d8				*101*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.6*	*95.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*90.9*	*93.0*	*70.0-130*				

L1265542-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1265542-02 09/29/20 18:29 • (MS) R3576352-4 09/29/20 18:49 • (MSD) R3576352-5 09/29/20 19:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.500	0.127	0.594	0.608	93.4	96.2	100	17.0-158			2.33	27
Ethylbenzene	0.500	0.277	0.625	0.644	69.6	73.4	100	30.0-155			2.99	27
Toluene	0.500	0.110	0.585	0.581	95.0	94.2	100	26.0-154			0.686	28
Xylenes, Total	1.50	1.12	1.99	1.99	58.0	58.0	100	29.0-154			0.000	28
(S) Toluene-d8					*107*	*98.7*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.7*	*89.1*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*88.8*	*94.8*		*70.0-130*				

Method Blank (MB)

(MB) R3576622-2 09/30/20 16:05

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3576622-1 09/30/20 15:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00461	92.2	70.0-123	
Ethylbenzene	0.00500	0.00492	98.4	79.0-123	
Toluene	0.00500	0.00463	92.6	79.0-120	
Xylenes, Total	0.0150	0.0140	93.3	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.6*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*96.8*	*70.0-130*	

Method Blank (MB)

(MB) R3576606-3 09/30/20 14:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R3576606-1 09/30/20 13:08 • (LCSD) R3576606-2 09/30/20 13:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00482	0.00498	96.4	99.6	70.0-123			3.27	20
Ethylbenzene	0.00500	0.00498	0.00530	99.6	106	79.0-123			6.23	20
Toluene	0.00500	0.00485	0.00502	97.0	100	79.0-120			3.44	20
Xylenes, Total	0.0150	0.0143	0.0148	95.3	98.7	79.0-123			3.44	20
(S) Toluene-d8				*104*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.2*	*99.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*112*	*114*	*70.0-130*				

Method Blank (MB)

(MB) R3576678-2 10/01/20 08:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*96.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3576678-1 10/01/20 07:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00448	89.6	70.0-123	
Ethylbenzene	0.00500	0.00434	86.8	79.0-123	
Toluene	0.00500	0.00419	83.8	79.0-120	
Xylenes, Total	0.0150	0.0129	86.0	79.0-123	
(S) Toluene-d8			*98.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

Method Blank (MB)

(MB) R3576679-2 10/01/20 08:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*96.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3576679-1 10/01/20 07:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00448	89.6	70.0-123	
Ethylbenzene	0.00500	0.00434	86.8	79.0-123	
Toluene	0.00500	0.00419	83.8	79.0-120	
Xylenes, Total	0.0150	0.0129	86.0	79.0-123	
(S) Toluene-d8			*98.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

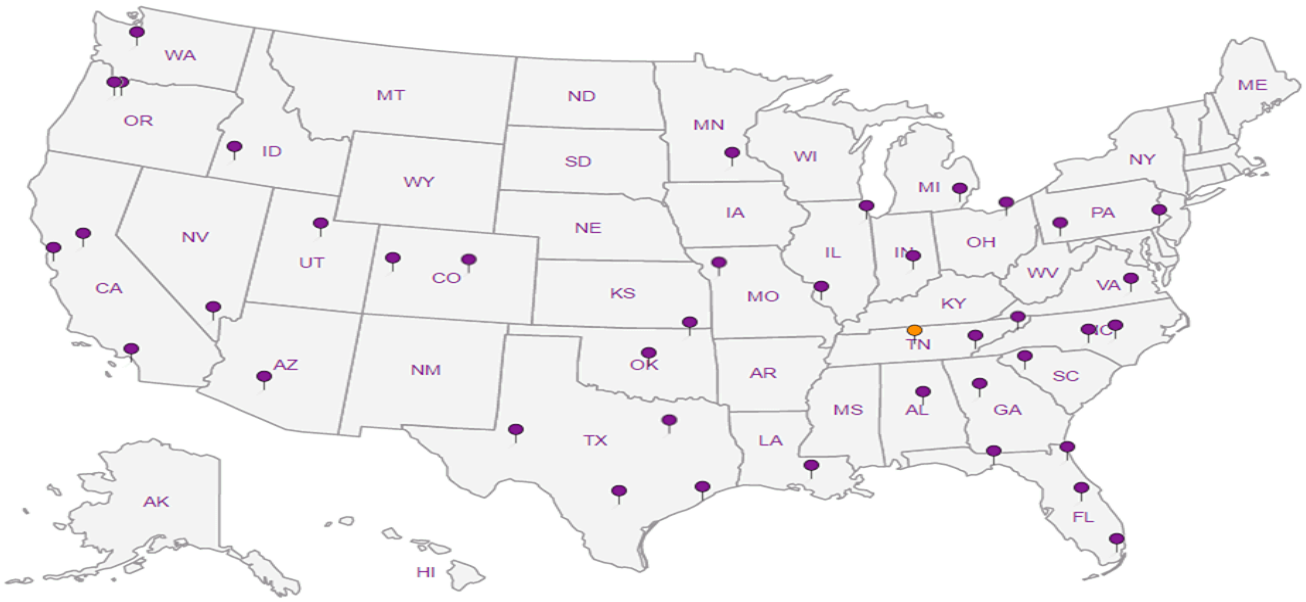
Third Party Federal Accreditations

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

2620 W. Marland Blvd
Hobbs, NM 88240

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

Email To: ~~lcondor~~@tasman-geo.com; knorman@tasman-geo.com BHUMPHREY@ GEO.COM

Report to: ~~Nick Kopiasz~~ KYLE NORMAN

Project Description: RR - Extension

City/State Collected:

Please Circle: PT MT CT ET

Phone: 720-218-4003

Client Project #

Lab Project # DCPTASMAN-RR EXT

Collected by (print): BECKY GRIFFIN

Site/Facility ID #

P.O. #

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

Chain of Custody Page ___ of ___

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SDG # L1265522

F229

Acctnum: DCPTASMAN
Template: T127838
Prelogin: P796038
PM: 824 - Chris Ward
PB: DN 9/4
Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 125mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
MW-1		GW		9-21-20	0835	4	X	X									-01
MW-2		GW		9-21-20	0950	4	X	X									-02
MW-3		GW		9-21-20	1415	4	X	X									-03
MW-4		GW		9-21-20	1225	4	X	X									-04
MW-5		GW		9-21-20	1325	4	X	X									-05
MW-6		GW		9-21-20	1350	4	X	X									-06
MW-7		GW		9-21-20	1435	4	X	X									-07
MW-8		GW		9-21-20	0900	4	X	X									-08
MW-9		GW		9-21-20	1015	4	X	X									-09
MW-10		GW		9-21-20	1205	4	X	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 # 9159 8780 2330

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: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
[signature]	9-22-20	1300		1

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: A7 °C .4-.1=.3	Bottles Received: 68	If preservation required by Login: Date/Time

Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09/23/20	Time: 0900	Hold:	Condition: NCF / OK
			[signature]				OK

DCP Midstream - Tasman

2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: ~~Nick Kopiasz~~ KYLE NORMAN

Email To: ~~kconder@tasman-geo.com~~;knorman@tasman-geo.com; BHUMPHLEY@TASMAN-GEO.COM

Project Description: RR - Extension

City/State Collected:

Please Circle: PT MT CT ET

Phone: 720-218-4003

Client Project #

Lab Project # DCPTASMAN-RR EXT

Collected by (print): BECKY GRIFFIN

Site/Facility ID #

P.O. #

Collected by (signature): Becky Griffin

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	Chloride 125mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
MW-11		GW		9-21-20	1300	4	X	X									-11
MW-12		GW		9-21-20	1140	4	X	X									-12
MW-13		GW		9-21-20	0925	4	X	X									-13
MW-14		GW		9-21-20	1035	4	X	X									-14
MW-15		GW		9-21-20	1055	4	X	X									-15
MW-16		GW		9-21-20	1120	4	X	X									-16
DUPLICATE		GW		9-21-20		4	X	X									-17
		GW															
TRIP BLANK		GW		9-21-20	1230												-18

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

SDG # U265522

Table #

Acctnum: DCPTASMAN

Template: T127838

Prelogin: P796038

PM: 824 - Chris Ward

PB: DN 9/4

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 #

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:		Y N

	Date:	Time:		
Relinquished by : (Signature) Becky Griffin	9-22-20	1300	Received by: (Signature)	Trip Blank Received: (Yes) / No; (HCl) / MeoH; TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 °C Bottles Received: 68
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09/23/20 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK