

Fourth Quarter 2020 Groundwater Monitoring Summary Report

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

Prepared for:



370 17th St., Suite 2500
Denver, CO 80202

Prepared by:



6855 W. 119th Avenue
Broomfield, Colorado 80020

February 17, 2021



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1. Introduction

This report summarizes the groundwater monitoring and remediation activities conducted during the fourth 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 December 14, 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 December 14, 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 fourth 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 fourth 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

	Fourth Quarter 2020 (12/14/2020)
Maximum Elevation (Well ID)	3,505.98 (MW-13)
Minimum Elevation (Well ID)	3,505.26 (MW-6)
Average Change from Previous Monitoring Event – All Wells	-0.15 feet
Average Hydraulic Gradient (ft/ft) / (Well IDs)	0.003 (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 December 14, 2020 event are included in Appendix A and the laboratory analytical report for the fourth 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 (0.0439 milligrams per liter [mg/L]), MW-3 (1.60 mg/L), MW-4 (0.00566 mg/L), MW-5 (0.0631 mg/L, 0.0647 mg/L Duplicate), MW-9 (1.31 mg/L), and MW-10 (0.35 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 not analyzed during the fourth quarter monitoring event.

3.3 Data Quality Assurance / Quality Control

A trip blank and field duplicate sample (MW-5) was collected during the fourth 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 fourth 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 0.0631 mg/L and 0.0647 mg/L, respectively, yielding a relative percent difference (RPD) of 2.50% which is within the target range of 20%.

Based on the data review, the data precision and accuracy for the fourth quarter 2020 parent and duplicate samples are within the target control range of 20%. The overall QA/QC assessment, based on the data review, 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 December 15, 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 fourth quarter 2020.

On December 15, 2020, EFR was applied simultaneously to monitoring wells MW-4 and MW-10 for an approximate 8-hour period, which produced approximately 10 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-2 and MW-3 on December 15, 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 fourth 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 fourth 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.
- Toluene, ethylbenzene, and total xylene levels were not observed above the NMWQCC standards in any of the site monitoring well locations.
- Chloride was not analyzed during the fourth quarter 2020 monitoring event.

6. Recommendations

Based on evaluation of data from the fourth 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.
- Following a hiatus in EFR/AS events at the beginning in 2020, quarterly EFR/AS efforts were resumed during the third and fourth quarter 2020 and will continue throughout 2021. Further EFR/AS remediation efforts will be assessed following the 2021 quarterly monitoring events to determine if the effects cause the decline of dissolved phase contaminants or natural attenuation is occurring.

Tables

TABLE 1
FOURTH 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	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-1	12/14/2020	28.75			NM	3534.57	3505.82	-0.15
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-2	12/14/2020	29.43			NM	3535.18	3505.75	-0.16
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-3	12/14/2020	30.80			NM	3536.57	3505.77	-0.20
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-4	12/14/2020	29.85			NM	3535.20	3505.35	-0.18
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-5	12/14/2020	30.52			NM	3535.92	3505.40	-0.20
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-6	12/14/2020	30.90			NM	3536.16	3505.26	-0.22
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-7	12/14/2020	31.60			NM	3537.09	3505.49	-0.16
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
MW-8	12/14/2020	30.50			NM	3536.41	3505.91	-0.16

TABLE 1
FOURTH 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	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-9	12/14/2020	28.37			NM	3534.20	3505.83	-0.19
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-10	12/14/2020	28.65			NM	3534.21	3505.56	-0.03
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-11	12/14/2020	30.80			NM	3536.19	3505.39	-0.20
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-12	12/14/2020	29.04			NM	3534.47	3505.43	-0.18
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-13	12/14/2020	30.10			NM	3536.08	3505.98	-0.16
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-14	12/14/2020	29.20			NM	3534.96	3505.76	-0.16
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-15	12/14/2020	29.43			NM	3534.90	3505.47	-0.21
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
MW-16	12/14/2020	28.27			NM	3533.68	3505.41	-0.15
Average change in groundwater elevation (9/21/20 to 12/14/2020)								-0.19

Notes:

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

amsl = feet above mean sea level

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
FOURTH 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	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-2	12/14/2020	0.0439	<0.00100	0.000486 J	0.00216 J	NA	
MW-3	12/14/2020	1.60	<0.0500	0.247	0.42	NA	
MW-4	12/14/2020	0.00566	<0.00100	0.0316	0.0348	NA	
MW-5	12/14/2020	0.0631	<0.0100	0.0533	0.0740	NA	Duplicate Sample Collected
MW-5 (Duplicate)	12/14/2020	0.0647	<0.0010	0.0547	0.0757	NA	
MW-6	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-7	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-8	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-9	12/14/2020	1.31	0.284	0.0527	0.201	NA	
MW-10	12/14/2020	0.35	<0.00100	0.022	0.0758	NA	
MW-11	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-12	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-13	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-14	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-15	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
MW-16	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/14/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	

Notes:

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

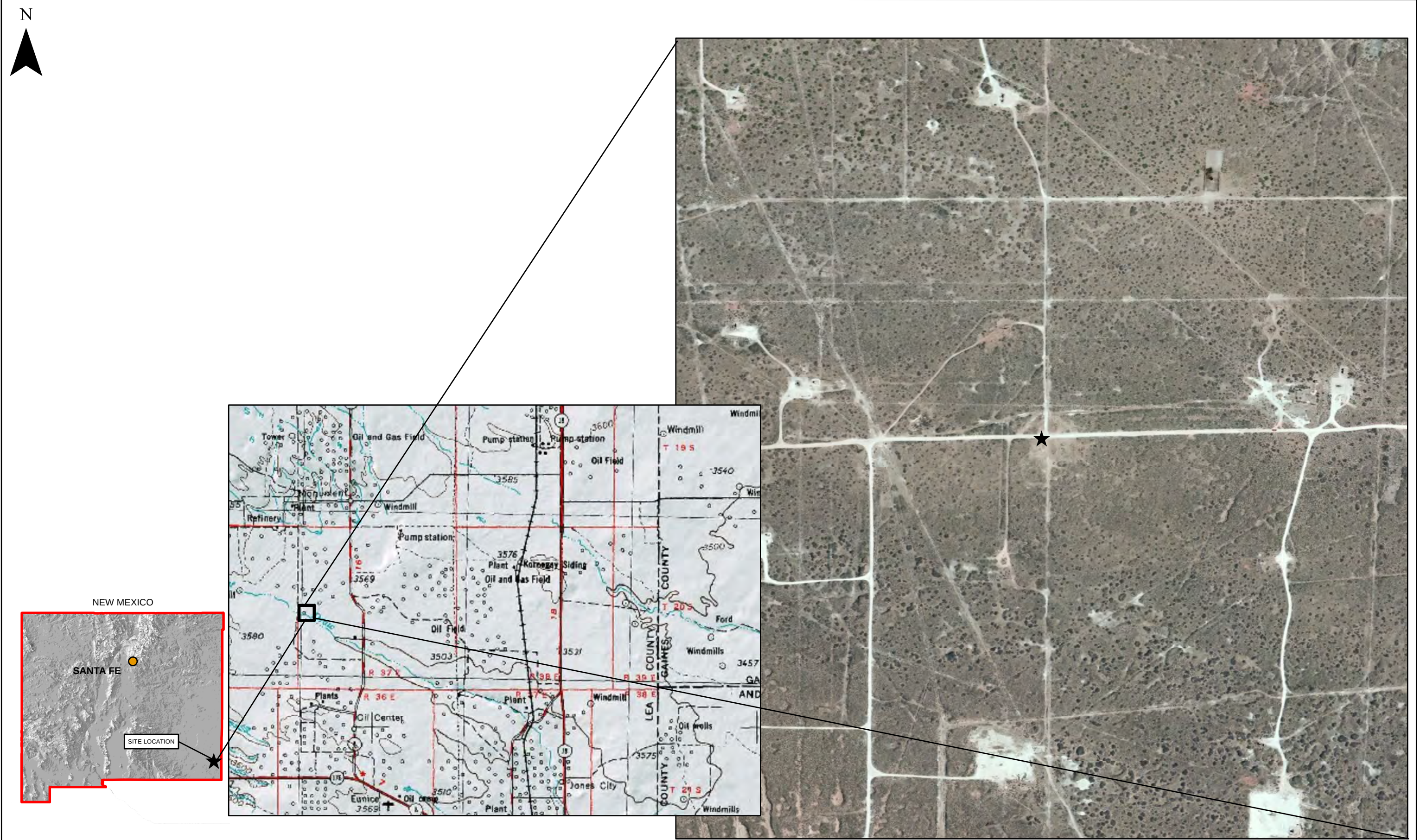
NMWQCC = New Mexico Water Quality Control Commission

LNAPL = Light Non-Aqueous Phase Liquid

NA = Not Analyzed

mg/L = milligrams per liter

Figures



DATE:	July 2015
DESIGNED BY:	T. Johansen
DRAWN BY:	D. Arnold



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

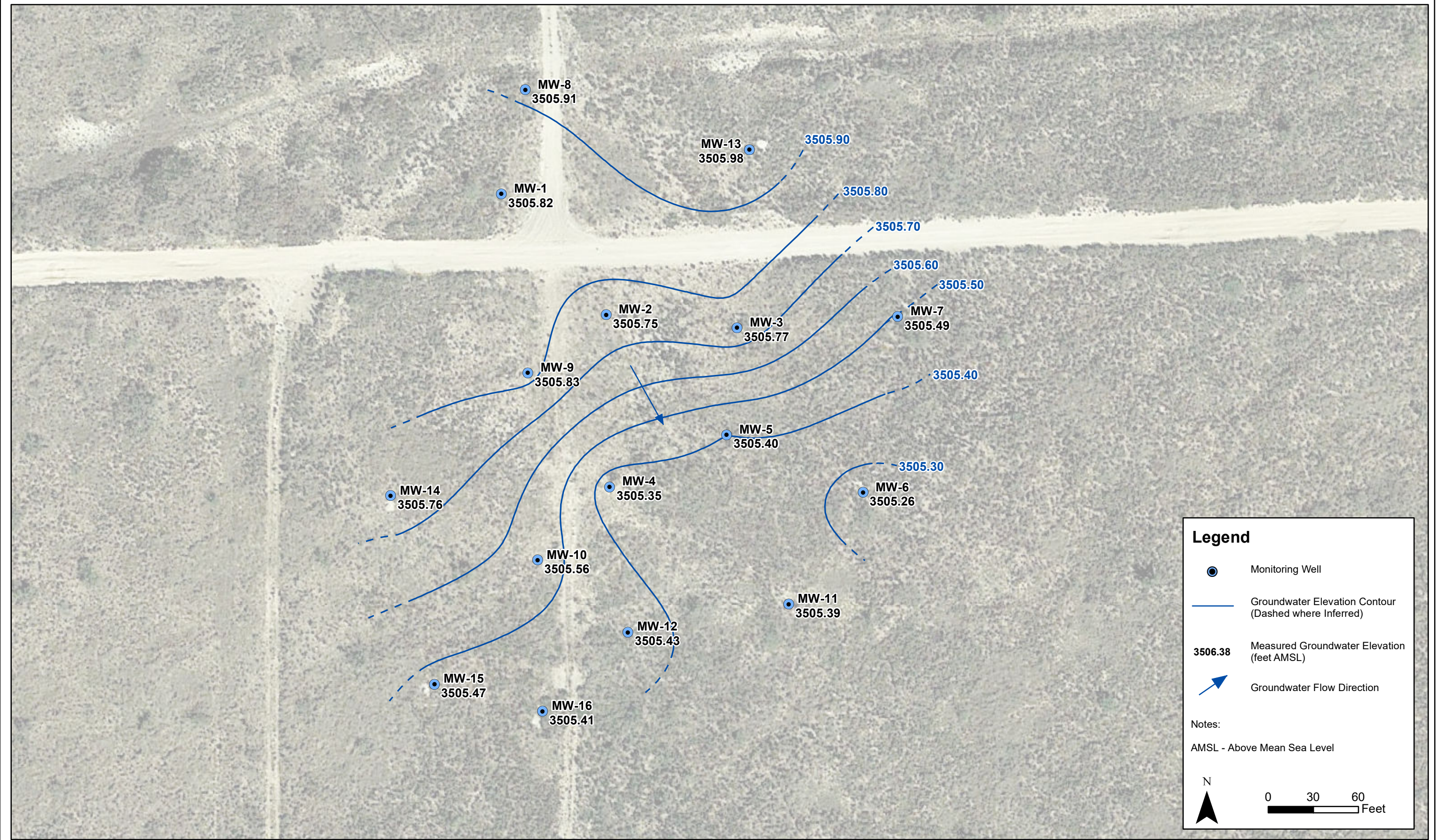


Tasman Geosciences, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

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

Site Map with Monitoring
Well Locations

**Figure
2**



DATE:	January 2021
DESIGNED BY:	B. Humphrey
DRAWN BY:	J. Clonts



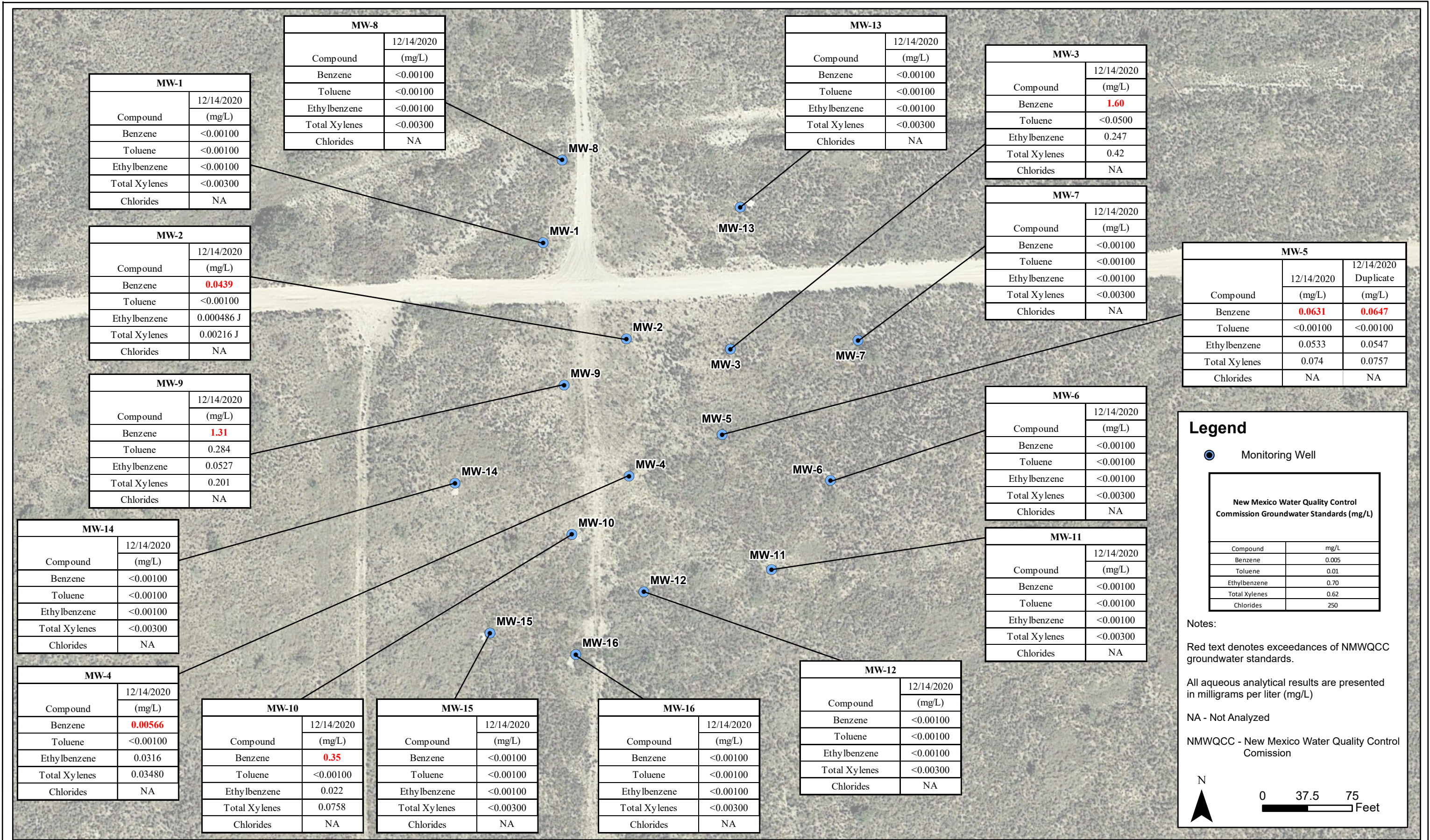
TASMAN
GEOSCIENCES

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

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

Groundwater Elevation
Contour Map
(December 14, 2020)

Figure
3



DATE: January 2021
DESIGNED BY: B. Humphrey
DRAWN BY: J. Clonts



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

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

Analytical Results
Map
(December 14, 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	

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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-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	
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-1	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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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	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	
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-2	12/14/2020	0.0439	<0.00100	0.000486 J	0.00216 J	NA	
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	

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NMWQCC Groundwater Standards (mg/L)		0.005	1.00	0.70	0.62	250	
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	
MW-3	12/14/2020	1.60	<0.0500	0.247	0.42	NA	
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	

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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	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	
MW-4	12/14/2020	0.00566	<0.00100	0.0316	0.0348	NA	
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	

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NMQCC Groundwater Standards (mg/L)		0.005	1.00	0.70	0.62	250	
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
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-5	12/14/2020	0.0631	<0.0100	0.0533	0.0740	NA	Duplicate Sample Collected
MW-5 (Duplicate)	12/14/2020	0.0647	<0.0010	0.0547	0.0757	NA	
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	

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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	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	
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-6	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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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	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	
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-7	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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NMWQCC Groundwater Standards (mg/L)		0.005	1.00	0.70	0.62	250	
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	
MW-8	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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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	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-9	12/14/2020	1.31	0.284	0.0527	0.201	NA	
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	
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	

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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	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-10	12/14/2020	0.35	<0.00100	0.022	0.0758	NA	
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	
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	

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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	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-11	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	
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-12	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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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-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-13	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	
MW-14	12/03/2013	<0.001	<0.002	<0.002	<0.003	519	

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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-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-14	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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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-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	
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-15	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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-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	
MW-16	12/14/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	
Trip Blank	12/14/2020	<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 #: L1296981



ANALYTICAL REPORT

January 12, 2021

DCP Midstream - Tasman

Sample Delivery Group: L1296981
Samples Received: 12/15/2020
Project Number:
Description: RR - Extension

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

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Entire Report Reviewed By:

Chris Ward

Chris Ward
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

MW-1 L1296981-01 GW

				Collected by B Griffin	Collected date/time 12/14/20 08:30	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594371	1	12/18/20 18:21	12/18/20 18:21	JHH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

MW-2 L1296981-02 GW

				Collected by B Griffin	Collected date/time 12/14/20 10:30	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594371	1	12/18/20 18:42	12/18/20 18:42	JHH	Mt. Juliet, TN

4 Cn

5 Sr

MW-3 L1296981-03 GW

				Collected by B Griffin	Collected date/time 12/14/20 15:30	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594371	50	12/18/20 21:06	12/18/20 21:06	JHH	Mt. Juliet, TN

6 Qc

7 Gl

MW-4 L1296981-04 GW

				Collected by B Griffin	Collected date/time 12/14/20 13:40	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594371	1	12/18/20 19:02	12/18/20 19:02	JHH	Mt. Juliet, TN

8 Al

9 Sc

MW-5 L1296981-05 GW

				Collected by B Griffin	Collected date/time 12/14/20 15:00	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594371	10	12/18/20 21:27	12/18/20 21:27	JHH	Mt. Juliet, TN

MW-6 L1296981-06 GW

				Collected by B Griffin	Collected date/time 12/14/20 14:40	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594371	1	12/18/20 19:23	12/18/20 19:23	JHH	Mt. Juliet, TN

MW-7 L1296981-07 GW

				Collected by B Griffin	Collected date/time 12/14/20 16:00	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/18/20 23:51	12/18/20 23:51	JHH	Mt. Juliet, TN

MW-8 L1296981-08 GW

				Collected by B Griffin	Collected date/time 12/14/20 09:15	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 00:12	12/19/20 00:12	JHH	Mt. Juliet, TN

MW-9 L1296981-09 GW

				Collected by B Griffin	Collected date/time 12/14/20 11:20	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	10	12/19/20 05:01	12/19/20 05:01	JHH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

MW-10 L1296981-10 GW

				Collected by B Griffin	Collected date/time 12/14/20 13:15	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	10	12/19/20 05:22	12/19/20 05:22	JHH	Mt. Juliet, TN

4 Cn

5 Sr

MW-11 L1296981-11 GW

				Collected by B Griffin	Collected date/time 12/14/20 14:10	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 00:32	12/19/20 00:32	JHH	Mt. Juliet, TN

6 Qc

7 Gl

MW-12 L1296981-12 GW

				Collected by B Griffin	Collected date/time 12/14/20 12:55	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 00:53	12/19/20 00:53	JHH	Mt. Juliet, TN

8 Al

9 Sc

MW-13 L1296981-13 GW

				Collected by B Griffin	Collected date/time 12/14/20 09:55	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 01:14	12/19/20 01:14	JHH	Mt. Juliet, TN

MW-14 L1296981-14 GW

				Collected by B Griffin	Collected date/time 12/14/20 12:00	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 01:34	12/19/20 01:34	JHH	Mt. Juliet, TN

MW-15 L1296981-15 GW

				Collected by B Griffin	Collected date/time 12/14/20 12:30	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 01:55	12/19/20 01:55	JHH	Mt. Juliet, TN

MW-16 L1296981-16 GW

				Collected by B Griffin	Collected date/time 12/14/20 12:50	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 02:16	12/19/20 02:16	JHH	Mt. Juliet, TN

DUPLICATE L1296981-17 GW

				Collected by B Griffin	Collected date/time 12/14/20 00:00	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/19/20 02:36	12/19/20 02:36	JHH	Mt. Juliet, TN

TRIP BLANK L1296981-18 GW

				Collected by B Griffin	Collected date/time 12/14/20 16:30	Received date/time 12/15/20 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1594372	1	12/18/20 23:32	12/18/20 23:32	JHH	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

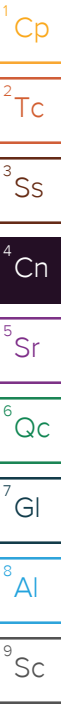
8Al

9Sc

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



Collected date/time: 12/14/20 08:30

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/18/2020 18:21	WG1594371
Toluene	U		0.000278	0.00100	1	12/18/2020 18:21	WG1594371
Ethylbenzene	U		0.000137	0.00100	1	12/18/2020 18:21	WG1594371
Total Xylenes	U		0.000174	0.00300	1	12/18/2020 18:21	WG1594371
(S) Toluene-d8	99.1			80.0-120		12/18/2020 18:21	WG1594371
(S) 4-Bromofluorobenzene	102			77.0-126		12/18/2020 18:21	WG1594371
(S) 1,2-Dichloroethane-d4	87.9			70.0-130		12/18/2020 18:21	WG1594371

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 10:30

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0439		0.0000941	0.00100	1	12/18/2020 18:42	WG1594371
Toluene	U		0.000278	0.00100	1	12/18/2020 18:42	WG1594371
Ethylbenzene	0.000486	J	0.000137	0.00100	1	12/18/2020 18:42	WG1594371
Total Xylenes	0.00216	J	0.000174	0.00300	1	12/18/2020 18:42	WG1594371
(S) Toluene-d8	105			80.0-120		12/18/2020 18:42	WG1594371
(S) 4-Bromofluorobenzene	106			77.0-126		12/18/2020 18:42	WG1594371
(S) 1,2-Dichloroethane-d4	88.4			70.0-130		12/18/2020 18:42	WG1594371

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 15:30

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	1.60		0.00471	0.0500	50	12/18/2020 21:06	WG1594371
Toluene	U		0.0139	0.0500	50	12/18/2020 21:06	WG1594371
Ethylbenzene	0.247		0.00685	0.0500	50	12/18/2020 21:06	WG1594371
Total Xylenes	0.420		0.00870	0.150	50	12/18/2020 21:06	WG1594371
(S) Toluene-d8	101			80.0-120		12/18/2020 21:06	WG1594371
(S) 4-Bromofluorobenzene	104			77.0-126		12/18/2020 21:06	WG1594371
(S) 1,2-Dichloroethane-d4	86.4			70.0-130		12/18/2020 21:06	WG1594371

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 13:40

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0566		0.0000941	0.00100	1	12/18/2020 19:02	WG1594371
Toluene	U		0.000278	0.00100	1	12/18/2020 19:02	WG1594371
Ethylbenzene	0.0316		0.000137	0.00100	1	12/18/2020 19:02	WG1594371
Total Xylenes	0.0348		0.000174	0.00300	1	12/18/2020 19:02	WG1594371
(S) Toluene-d8	108			80.0-120		12/18/2020 19:02	WG1594371
(S) 4-Bromofluorobenzene	113			77.0-126		12/18/2020 19:02	WG1594371
(S) 1,2-Dichloroethane-d4	86.2			70.0-130		12/18/2020 19:02	WG1594371

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 15:00

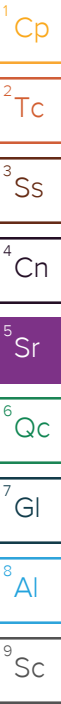
L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0631		0.000941	0.0100	10	12/18/2020 21:27	WG1594371
Toluene	U		0.00278	0.0100	10	12/18/2020 21:27	WG1594371
Ethylbenzene	0.0533		0.00137	0.0100	10	12/18/2020 21:27	WG1594371
Total Xylenes	0.0740		0.00174	0.0300	10	12/18/2020 21:27	WG1594371
(S) Toluene-d8	103			80.0-120		12/18/2020 21:27	WG1594371
(S) 4-Bromofluorobenzene	103			77.0-126		12/18/2020 21:27	WG1594371
(S) 1,2-Dichloroethane-d4	85.7			70.0-130		12/18/2020 21:27	WG1594371

Sample Narrative:

L1296981-05 WG1594371: Nontarget compounds are too large to run at a lower dilution.



Collected date/time: 12/14/20 14:40

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/18/2020 19:23	WG1594371
Toluene	U		0.000278	0.00100	1	12/18/2020 19:23	WG1594371
Ethylbenzene	U		0.000137	0.00100	1	12/18/2020 19:23	WG1594371
Total Xylenes	U		0.000174	0.00300	1	12/18/2020 19:23	WG1594371
(S) Toluene-d8	101			80.0-120		12/18/2020 19:23	WG1594371
(S) 4-Bromofluorobenzene	103			77.0-126		12/18/2020 19:23	WG1594371
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		12/18/2020 19:23	WG1594371

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 16:00

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/18/2020 23:51	WG1594372
Toluene	U		0.000278	0.00100	1	12/18/2020 23:51	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/18/2020 23:51	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/18/2020 23:51	WG1594372
(S) Toluene-d8	101			80.0-120		12/18/2020 23:51	WG1594372
(S) 4-Bromofluorobenzene	101			77.0-126		12/18/2020 23:51	WG1594372
(S) 1,2-Dichloroethane-d4	85.8			70.0-130		12/18/2020 23:51	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 09:15

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 00:12	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 00:12	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 00:12	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 00:12	WG1594372
(S) Toluene-d8	103			80.0-120		12/19/2020 00:12	WG1594372
(S) 4-Bromofluorobenzene	101			77.0-126		12/19/2020 00:12	WG1594372
(S) 1,2-Dichloroethane-d4	85.8			70.0-130		12/19/2020 00:12	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 11:20

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	1.31		0.000941	0.0100	10	12/19/2020 05:01	WG1594372
Toluene	0.284		0.00278	0.0100	10	12/19/2020 05:01	WG1594372
Ethylbenzene	0.0527		0.00137	0.0100	10	12/19/2020 05:01	WG1594372
Total Xylenes	0.201		0.00174	0.0300	10	12/19/2020 05:01	WG1594372
(S) Toluene-d8	101			80.0-120		12/19/2020 05:01	WG1594372
(S) 4-Bromofluorobenzene	103			77.0-126		12/19/2020 05:01	WG1594372
(S) 1,2-Dichloroethane-d4	84.0			70.0-130		12/19/2020 05:01	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 13:15

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.350		0.000941	0.0100	10	12/19/2020 05:22	WG1594372
Toluene	U		0.00278	0.0100	10	12/19/2020 05:22	WG1594372
Ethylbenzene	0.0220		0.00137	0.0100	10	12/19/2020 05:22	WG1594372
Total Xylenes	0.0758		0.00174	0.0300	10	12/19/2020 05:22	WG1594372
(S) Toluene-d8	102			80.0-120		12/19/2020 05:22	WG1594372
(S) 4-Bromofluorobenzene	103			77.0-126		12/19/2020 05:22	WG1594372
(S) 1,2-Dichloroethane-d4	85.3			70.0-130		12/19/2020 05:22	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 14:10

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 00:32	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 00:32	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 00:32	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 00:32	WG1594372
(S) Toluene-d8	102			80.0-120		12/19/2020 00:32	WG1594372
(S) 4-Bromofluorobenzene	105			77.0-126		12/19/2020 00:32	WG1594372
(S) 1,2-Dichloroethane-d4	87.2			70.0-130		12/19/2020 00:32	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 12:55

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 00:53	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 00:53	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 00:53	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 00:53	WG1594372
(S) Toluene-d8	105			80.0-120		12/19/2020 00:53	WG1594372
(S) 4-Bromofluorobenzene	102			77.0-126		12/19/2020 00:53	WG1594372
(S) 1,2-Dichloroethane-d4	86.3			70.0-130		12/19/2020 00:53	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 09:55

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 01:14	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 01:14	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 01:14	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 01:14	WG1594372
(S) Toluene-d8	103			80.0-120		12/19/2020 01:14	WG1594372
(S) 4-Bromofluorobenzene	102			77.0-126		12/19/2020 01:14	WG1594372
(S) 1,2-Dichloroethane-d4	86.3			70.0-130		12/19/2020 01:14	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 12:00

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 01:34	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 01:34	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 01:34	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 01:34	WG1594372
(S) Toluene-d8	101			80.0-120		12/19/2020 01:34	WG1594372
(S) 4-Bromofluorobenzene	102			77.0-126		12/19/2020 01:34	WG1594372
(S) 1,2-Dichloroethane-d4	87.1			70.0-130		12/19/2020 01:34	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 12:30

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 01:55	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 01:55	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 01:55	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 01:55	WG1594372
(S) Toluene-d8	98.9			80.0-120		12/19/2020 01:55	WG1594372
(S) 4-Bromofluorobenzene	101			77.0-126		12/19/2020 01:55	WG1594372
(S) 1,2-Dichloroethane-d4	84.4			70.0-130		12/19/2020 01:55	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 12:50

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/19/2020 02:16	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 02:16	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/19/2020 02:16	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/19/2020 02:16	WG1594372
(S) Toluene-d8	102			80.0-120		12/19/2020 02:16	WG1594372
(S) 4-Bromofluorobenzene	100			77.0-126		12/19/2020 02:16	WG1594372
(S) 1,2-Dichloroethane-d4	85.6			70.0-130		12/19/2020 02:16	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 00:00

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0647		0.0000941	0.00100	1	12/19/2020 02:36	WG1594372
Toluene	U		0.000278	0.00100	1	12/19/2020 02:36	WG1594372
Ethylbenzene	0.0547		0.000137	0.00100	1	12/19/2020 02:36	WG1594372
Total Xylenes	0.0757		0.000174	0.00300	1	12/19/2020 02:36	WG1594372
(S) Toluene-d8	119			80.0-120		12/19/2020 02:36	WG1594372
(S) 4-Bromofluorobenzene	111			77.0-126		12/19/2020 02:36	WG1594372
(S) 1,2-Dichloroethane-d4	85.8			70.0-130		12/19/2020 02:36	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 12/14/20 16:30

L1296981

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/18/2020 23:32	WG1594372
Toluene	U		0.000278	0.00100	1	12/18/2020 23:32	WG1594372
Ethylbenzene	U		0.000137	0.00100	1	12/18/2020 23:32	WG1594372
Total Xylenes	U		0.000174	0.00300	1	12/18/2020 23:32	WG1594372
(S) Toluene-d8	102			80.0-120		12/18/2020 23:32	WG1594372
(S) 4-Bromofluorobenzene	104			77.0-126		12/18/2020 23:32	WG1594372
(S) 1,2-Dichloroethane-d4	87.9			70.0-130		12/18/2020 23:32	WG1594372

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3607155-3 12/18/20 13:33

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	100			77.0-126
(S) 1,2-Dichloroethane-d4	89.2			70.0-130

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

(LCS) R3607155-1 12/18/20 12:30 • (LCSD) R3607155-2 12/18/20 12:51

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	0.00472	0.00477	94.4	95.4	70.0-123			1.05	20
Ethylbenzene	0.00500	0.00411	0.00415	82.2	83.0	79.0-123			0.969	20
Toluene	0.00500	0.00434	0.00443	86.8	88.6	79.0-120			2.05	20
Xylenes, Total	0.0150	0.0127	0.0129	84.7	86.0	79.0-123			1.56	20
(S) Toluene-d8				99.8	99.2	80.0-120				
(S) 4-Bromofluorobenzene				101	102	77.0-126				
(S) 1,2-Dichloroethane-d4				90.6	90.9	70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

L1296981-07,08,09,10,11,12,13,14,15,16,17,18

Method Blank (MB)

(MB) R3607156-2 12/18/20 23:10

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	103			77.0-126
(S) 1,2-Dichloroethane-d4	86.3			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3607156-1 12/18/20 22:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00484	96.8	70.0-123	
Ethylbenzene	0.00500	0.00438	87.6	79.0-123	
Toluene	0.00500	0.00452	90.4	79.0-120	
Xylenes, Total	0.0150	0.0134	89.3	79.0-123	
(S) Toluene-d8			99.6	80.0-120	
(S) 4-Bromofluorobenzene			99.9	77.0-126	
(S) 1,2-Dichloroethane-d4			86.6	70.0-130	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
---	---

1	Cp
2	Tc
3	Ss
4	Cn
5	Sr
6	Qc
7	Gl
8	Al
9	Sc

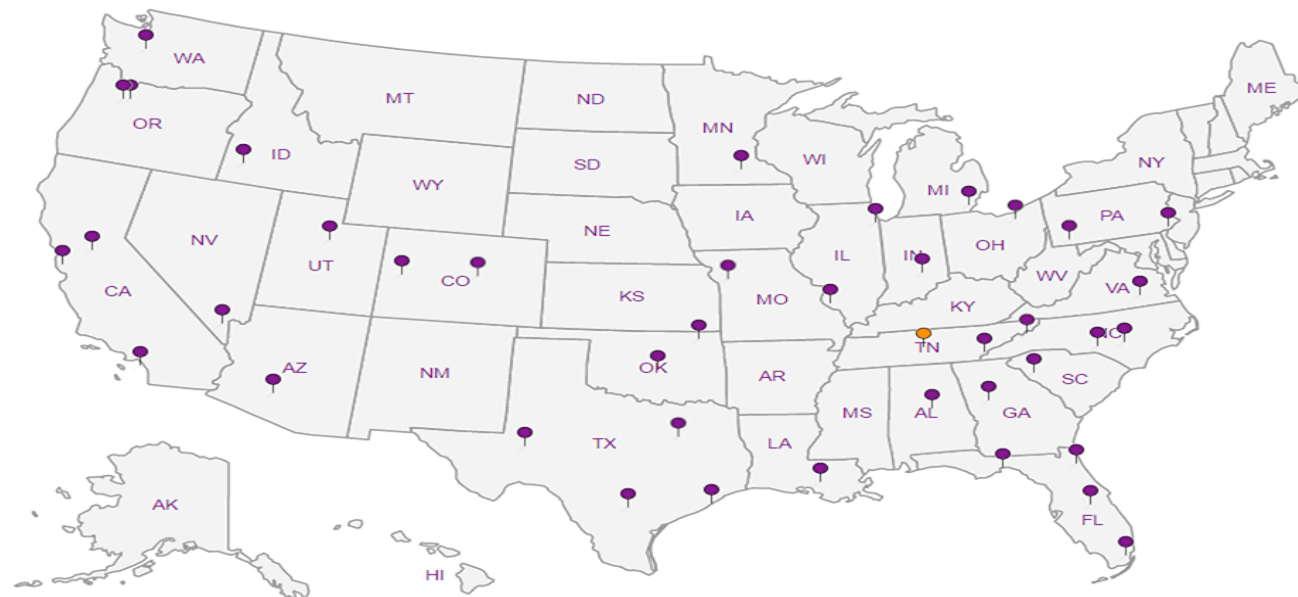
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Alabama	40660	Nebraska	NE-05-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-20-18
Maine	TN00003	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	998093910
Montana	CERT0086	Wyoming	A2LA

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

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

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

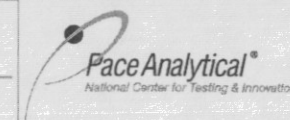
2620 W. Marland Blvd
Hobbs, NM 88240

Billing Information:

Steve Weathers
370 17th St, Ste 2500
Denver, CO 80202Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859SDG # **L1296981**
I006

Acctnum: DCPTASMAN

Template: T150933

Prelogin: P814708

PM: 824 - Chris Ward

PB:

Shipped Via:

Remarks Sample # (lab only)

Report to:

Kyle Norman

Email To: knorman@tasman-
geo.com; bhumphrey@tasman-Project Description:
RR - ExtensionCity/State
Collected:Please Circle:
PT MT CT ET

Phone: 720-218-4003

Client Project #

Lab Project #
DCPTASMAN-RR EXT

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No.
of
CntrsImmediately
Packed on Ice N ___ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-1		GW		12-14-20	0830	3
MW-2		GW			1030	3
MW-3		GW			1530	3
MW-4		GW			1340	3
MW-5		GW			1505	3
MW-6		GW			1440	3
MW-7		GW			1600	3
MW-8		GW			0915	3
MW-9		GW			1120	3
MW-10		GW			1315	3

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Pag 1 of 2

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:

___ UPS ___ FedEx ___ Courier

Tracking #

1145 2229 5610

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: ☒ Yes / NoHOL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: **48**

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 12/15/2020 Time: 09:30

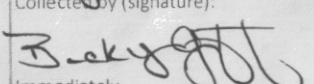
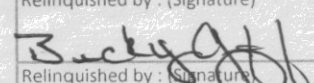
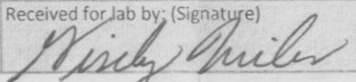
Hold:

Condition:

NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☒ 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

DCP Midstream - Tasman 2620 W. Marland Blvd Hobbs, NM 88240		Billing Information: Steve Weathers 370 17th St, Ste 2500 Denver, CO 80202		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page ____ of ____						
		Report to: Kyle Norman			Email To: knorman@tasman-geo.com; bhumphrey@tasman-geo.com		 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 														
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): B. GRIFFIN		Site/Facility ID #		P.O. #		V8260BTEX 40ml/Amb-HCl											SDG # L1296481				
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #												Date Results Needed		No. of Cntrs		Table #	
Immediately Packed on Ice N ☐ Y ☒																				Acctnum: DCPTASMAN Template: T150933 Prelogin: P814708 PM: 824 - Chris Ward PB:	
																				Shipped Via:	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time									Remarks	Sample # (lab only)					
MW-11			GW		12-14-20	1410	3	X								-11					
MW-12			GW			1255	3	X								12					
MW-13			GW			0955	3	X								13					
MW-14			GW			1200	3	X								14					
MW-15			GW			1230	3	X								15					
MW-16			GW			1250	3	X								16					
DUPLICATE			GW				3	X								17					
TRIP BLANK			GW			1630	1	X								18					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____		Remarks: pH _____ Temp _____ Flow _____ Other _____										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									
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier		Tracking # 1145 2229 5610																			
Relinquished by: (Signature) 		Date: 12-14-20		Time: 1630		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: _____ °C Bottles Received:		If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: _____ °C 144, 2-16		Hold:		Condition: NCF 100									
Relinquished by: (Signature)		Date:		Time:		Received for Lab by: (Signature) 		Date: 12/15/2020 Time: 09:30		Hold:		Condition:									

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

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

CONDITIONS

Action 23431

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 23431
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 85275 for most updated status.	10/28/2022