Second Half 2019 Semi-Annual Groundwater Monitoring Summary Report

Former Lee Gas Plant
Lea County, New Mexico
GW-002

Prepared for:

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

Prepared by:

6855 W. 119th Ave.
Broomfield, CO 80020

January 31, 2020

Table of Contents

1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the second half 2019 at the Former Lee Gas Plant (Site) in Lea County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). The field activities described herein were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and analytical laboratory results collected between December 18th and 20th, 2019. The data collected were used to develop the groundwater elevation map and analytical results figure presented herein.

2. Site Location and Background

The Site is located in the southwest quarter of the southeast quarter of Section 30, Township 17 South, Range 35 East, approximately 0.45 miles southeast of the intersection of US Highway 238 and County Road 50. The approximate field coordinates are 32.800 degrees north and 103.495 degrees west. The area is sparsely populated and land use is primarily associated with livestock grazing and oil and gas production and gathering.

Based on review of historical reports from previous Site investigations, the Site was historically used as a gas processing and compression plant. In 1988, Phillips 66 Natural Gas Company was ordered to install four monitoring wells (MW-1 through MW-4) in accordance with the Resource Conservation and Recovery Act (RCRA). An initial groundwater sampling event took place May 13, 1988 and identified impacts in the location of two former evaporation ponds north and east of the main plant. LNAPL was identified immediately above the water table at an approximate depth of 106 feet below ground surface (bgs). Several additional subsurface investigations were performed to determine the extent of both the free and dissolved phase hydrocarbon plumes, resulting in the installation of monitoring and recovery wells as described below:

- MW-5 through MW-8 and RW-1: Installed May 1990 – LNAPL recovery initiated at RW-1.
- MW-9 through MW-12: Installed October 1990.
- MW-13 and MW-14: Installed March 1991 – MW-7, MW-8, and MW-10 were converted into recovery wells.
- MW-15 through MW-20: Installed February 1992.

Subsequent to installation of the final six wells, quarterly groundwater sampling commenced. In addition, a soil vapor extraction (SVE) and air sparge (AS) system operated between 1993 and 2004. Currently, Site groundwater monitoring wells are sampled on a semi-annual basis.

Due to continued LNAPL detections at MW-15, a Magnum Spill Buster automatic LNAPL recovery system was installed on September 14, 2013 to address LNAPL at this location. Current Site remediation activities are further detailed in Section 4.0.

3. Groundwater Monitoring

This section describes the groundwater field and laboratory activities performed during the second half 2019 monitoring event from December 18th to 20th, 2019. Monitoring activities included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring well network utilized to perform these activities at the Site.

3.1 Groundwater Monitoring and LNAPL Thickness

Depth to groundwater, later converted to elevation, and LNAPL thickness was measured in order to evaluate hydraulic characteristics and provide information regarding seasonal and annual fluctuations in groundwater elevations at the Site. During the second half 2019, groundwater levels were measured at 23 monitoring well locations. LNAPL was detected in the following three monitoring wells, with the measured thickness indicated in parenthesis:

- MW-5 (0.40 feet)
- MW-6 (2.58 feet)
- MW-8 (1.49 feet)

Groundwater and LNAPL 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, calculated groundwater elevations, and LNAPL level data are presented in Table 1.

A second half 2019 groundwater elevation map, included as Figure 3, indicates that groundwater flow at the Site trends to the southwest. Groundwater elevations ranges, average elevation changes from previous monitoring events, and calculated hydraulic gradients (using elevations from MW-16 and MW-20) at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	Second Half 2019 (12/18/2019)
Maximum Elevation (Well ID)	3,871.50’ (MW-16)
Minimum Elevation (Well ID)	3,867.68’ (MW-20)
Average Change from Previous Monitoring Event (ft) – All Wells	-0.36
Hydraulic Gradient (ft/ft) / (Well IDs)	0.0027 (MW-16 to MW-20)

3.2 Groundwater Quality

Subsequent to recording groundwater level measurements, groundwater samples were collected from 14 monitoring wells at the Site. A minimum of three well casing volumes of groundwater was purged from each monitoring well prior to collection of groundwater samples. Following well purging activities utilizing a mechanical pump, groundwater samples were collected using disposable polyethylene bailers, 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 shipped under chain-of-custody procedures to Pace Analytical labs (Pace) in Mt. Juliet, Tennessee for analysis. Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B.

Monitoring wells with measured LNAPL (MW-5, MW-6, and MW-8) and MW-15 with an active Spill Buster LNAPL recovery system were not sampled. Wells MW-1, MW-2, MW-3, MW-4 and MW-23 have been removed from the groundwater monitoring program due to a lack of groundwater at these locations.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the reporting period. Analytical results from the December 2019 monitoring event are displayed on Figure 4. Historical analytical results up to and including the December 2019 event are included in Appendix A. The laboratory analytical report for the second half 2019 event is included in Appendix B.

Benzene was detected at concentrations in excess of the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.01 milligrams per liter (mg/L) at the following seven locations, and the concentrations listed:

- MW-7: 0.0247 mg/L
- MW-9: 3.22 mg/L
- MW-10: 14.3 mg/L
- MW-12: 11.7 mg/L
- MW-21: 11.1 mg/L (11.4 mg/L Duplicate)

Ethylbenzene was detected at concentrations in excess of the NMWQCC groundwater standard of 0.75 mg/L at the following two locations, and the concentrations listed:

- MW-10: 1.13 mg/L
- MW-21: 1.24 mg/L (1.3 mg/L Duplicate)

All other samples collected had BTEX concentrations below applicable NMWQCC groundwater standards and/or laboratory detection limits.

3.3 Data Quality Assurance / Quality Control

Data quality assurance / quality control (QA/QC) procedures included the collection and analysis of QA/QC samples, as well as a review of laboratory analytical data for QA/QC compliance. Specifically, the following QA/QC procedures were conducted: a trip blank was collected and submitted for analysis; a field duplicate sample from well MW-21 was collected and submitted for analysis; and laboratory data were reviewed for compliance with the analytical method(s) and the associated QA/QC procedures.

An evaluation of the QA/QC procedures conducted during the second half 2019 groundwater monitoring event indicated the following:

- Target analytes were not detected in the trip blank;
- MW-21 and the associated duplicate sample exhibited benzene concentrations of 11.1 mg/L and 11.4 mg/L respectively. The RPD for benzene between the samples from MW-21 is 2.6%, which is within the target control range of 20%.
- Submitted samples were analyzed using the correct analytical methods and within the correct holding times;
- Chain of custody forms were in order and properly executed.
- Data were reported using the correct method number and reporting units.

The overall QA/QC assessment of the second half 2019 data indicates that both field precision and overall data precision and accuracy are acceptable.

4. Remediation Activities

Measurable free phase hydrocarbons were detected during the reporting period in monitoring wells MW-5, MW-6, and MW-8, as summarized in Tables 1 and 2. LNAPL recovery at MW-15 was initiated on September 14, 2013 (second half 2013) using a Magnum Spill Buster automatic LNAPL recovery system. Details regarding Spill Buster implementation were described in the Second Half 2013 Report. The Spill Buster did not operate during the first half 2018 due to various mechanical and electrical issues. The repaired Spill Buster was returned to operation on November 9, 2018 and operated through the second half 2019.

Since LNAPL recovery was initiated at MW-15, the Spill Buster system has removed a cumulative total of approximately 480 gallons of LNAPL through December 2019. The extracted LNAPL material is disposed of at the Eunice, New Mexico disposal facility. A summary of LNAPL extraction is provided in the Table 3 LNAPL Recovery Tank Inspection Log.

In October 2019 two Air Sparge (AS) wells were installed (AS-1 and AS-2) in an effort to address dissolved BTEX concentrations on-site. Both wells were installed with an Air-Rotary drilling rig and completed with a two-foot slotted screen using two-inch diameter polyvinyl chloride (PVC) well casing. See Figure 5 for approximate locations of AS wells.

5. Conclusions

Comparison of the second half 2019 monitoring data with historical information provides the following general observations:

- Based on historical groundwater elevations, the potentiometric surface has remained relatively stable, however most Site wells have exhibited a minor, but consistent decreasing trend in groundwater elevation since 2015. The observed trend has resulted in a combined total decrease of 1-foot in elevation since 2015.
- BTEX concentrations throughout the Site continue to fluctuate when compared to historical data.
- At MW-12 benzene concentrations have generally increased at this location since 2012 and remain above the NMWQCC standard.
- LNAPL persists at monitoring well locations MW-5, MW-6, MW-8 and MW-15. At MW-15, LNAPL is being addressed with the Spill Buster LNAPL extraction system.

6. Recommendations

Based on evaluation of second half 2019 and historical Site observations and monitoring results, the following recommendations have been developed for future activities:

- Continue semi-annual groundwater sampling to monitor dissolved and free phase petroleum hydrocarbons and assess the effectiveness of the current remedial strategy for the Site. Samples will be collected from locations illustrated on Figure 2 and which have historically been included in the sampling plan.
- Continue operation and maintenance of the Spill Buster LNAPL recovery system at MW-15 to address free phase petroleum thicknesses in the northern area of the Site.
- AS/SVE pilot tests will be initiated in January 2020 to determine the efficacy of such remediation technologies. The results of the evaluation will be presented in the First Half 2020 Semi-Annual Groundwater Monitoring Summary Report.

Tables

TABLE 1
SECOND HALF 2019 SEMI-ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER LEE GAS PLANT
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	06/17/19	DRY			100.90	3979.21	NA	NA
MW-1	12/18/19	DRY			100.90	3979.21	NA	NA
MW-2	06/17/19	DRY			106.76	3980.49	NA	NA
MW-2	12/18/19	DRY			106.76	3980.49	NA	NA
MW-3	06/17/19	107.71			NM	3980.27	3872.56	0.02
MW-3	12/18/19	DRY			108.84	3980.27	NA	NA
MW-4	06/17/19	DRY			103.55	NM	NA	NA
MW-4	12/18/19	DRY			103.55	NM	NA	NA
MW-5	06/17/19	109.14	108.73	0.41	NM	3979.82	3870.99	0.06
MW-5	12/18/19	109.43	109.03	0.40	NM	3979.82	3870.69	-0.30
MW-6	06/17/19	112.36	109.53	2.83	NM	3981.79	3871.55	-0.09
MW-6	12/18/19	112.39	109.81	2.58	NM	3981.79	3871.34	-0.22
MW-7	06/17/19	108.81			112.32	3978.45	3869.64	-0.06
MW-7	12/18/19	109.15			112.32	3978.45	3869.30	-0.34
MW-8	06/17/19	110.97	109.23	1.74	NM	3979.96	3870.30	-0.06
MW-8	12/18/19	111.04	109.55	1.49	NM	3979.96	3870.04	-0.26
MW-9	06/17/19	110.37			117.01	3980.17	3869.80	-0.09
MW-9	12/18/19	110.77			117.01	3980.17	3869.40	-0.40
MW-10	06/17/19	110.09			117.39	3979.66	3869.57	-0.07
MW-10	12/18/19	110.46			117.39	3979.66	3869.20	-0.37
MW-11	06/17/19	109.28			118.17	3978.50	3869.22	-0.07
MW-11	12/18/19	109.62			118.17	3978.50	3868.88	-0.34
MW-12	06/17/19	109.70			117.57	3978.82	3869.12	-0.09
MW-12	12/18/19	110.05			117.57	3978.82	3868.77	-0.35
MW-13	06/17/19	111.48			122.12	3980.52	3869.04	-0.07
MW-13	12/18/19	111.88			113.56	3980.52	3868.64	-0.40
MW-14	06/17/19	112.86			118.64	3982.23	3869.37	-0.11
MW-14	12/18/19	113.26			118.64	3982.23	3868.97	-0.40
**MW-15	06/17/19	NM	NM	NM	NM	3982.70	NA	NA
**MW-15	12/18/19	111.75	111.69	0.06	NM	3982.70	3871.00	NA
MW-16	06/17/19	108.98			128.31	3980.80	3871.82	-0.13
MW-16	12/18/19	109.30			128.31	3980.80	3871.50	-0.32
MW-17	06/17/19	111.30			128.19	3981.80	3870.50	-0.18
MW-17	12/18/19	111.69			128.19	3981.80	3870.11	-0.39
MW-18	06/17/19	112.60			125.57	3983.10	3870.50	-0.15
MW-18	12/18/19	113.01			125.57	3983.10	3870.09	-0.41
MW-19	06/17/19	112.48			126.66	3980.80	3868.32	-0.12
MW-19	12/18/19	112.92			126.66	3980.80	3867.88	-0.44
MW-20	06/17/19	115.05			135.77	3983.30	3868.25	-0.11
MW-20	12/18/19	115.62			135.77	3983.30	3867.68	-0.57

TABLE 1
SECOND HALF 2019 SEMI-ANNUAL
SUMMARY OF GROUNDWATER ELEVATION DATA
FORMER LEE GAS PLANT
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-21	06/17/19	111.01			123.59	3981.50	3870.49	-0.10
MW-21	12/18/19	111.32			123.59	3981.50	3870.18	-0.31
MW-22	06/17/19	111.13			148.22	3981.15	3870.02	-0.08
MW-22	12/18/19	111.45			148.22	3981.15	3869.70	-0.32
MW-23	06/17/19	DRY			101.11	3980.54	NA	NA
MW-23	12/18/19	DRY			101.11	3980.54	NA	NA
							Average change in groundwater elevation (6/17/2019 to 12/18/2019)	-0.36

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)

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

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Relative Density)
LNAPL relative density is assumed to be approximately 0.75 grams per cubic centimeter (g/cm^3)

** Monitoring well MW-15 has an active Spill Buster automatic LNAPL recovery pump installed. As such, the calculated groundwater elevations may not be representative of actual groundwater elevations within the well.

NM = Not Measured

NA = Not Applicable

TABLE 2
SECOND HALF 2019 SEMI-ANNUAL
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-5	12/18/19	LNAPL				
MW-6	12/18/19	LNAPL				
MW-7	12/20/19	**0.0247**	<0.0010	<0.0010	<0.0030	
MW-8	12/18/19	LNAPL				
MW-9	12/20/19	**3.22**	<0.020	0.234	0.0892	
MW-10	12/20/19	**14.3**	<0.10	**1.13**	<0.30	
MW-11	12/20/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-12	12/20/19	**11.7**	<0.10	0.0715 J	<0.30	
MW-13	12/20/19	0.000434 J	<0.0010	<0.0010	<0.0030	
MW-14	12/20/19	0.000507 J	<0.0010	<0.0010	<0.0030	
MW-15	12/18/19	LNAPL				Active Spill Buster in Well
MW-16	12/18/19	0.00127	<0.0010	<0.0010	<0.0030	
MW-17	12/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	12/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	12/19/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	12/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-21	12/20/19	**11.1**	<0.20	**1.24**	<0.60	Duplicate sample collected
MW-21 (Duplicate)	12/20/19	**11.4**	<0.20	**1.3**	0.220 J	
MW-22	12/19/19	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	12/20/19	<0.0010	<0.0010	<0.0010	<0.0030	

Notes:

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

NMWQCC = New Mexico Water Quality Control Commission

LNAPL = Light Non-Aqueous Phase Liquid

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

mg/L = milligrams per liter

TABLE 3
LNAPL RECOVERY TANK INSPECTION LOG
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

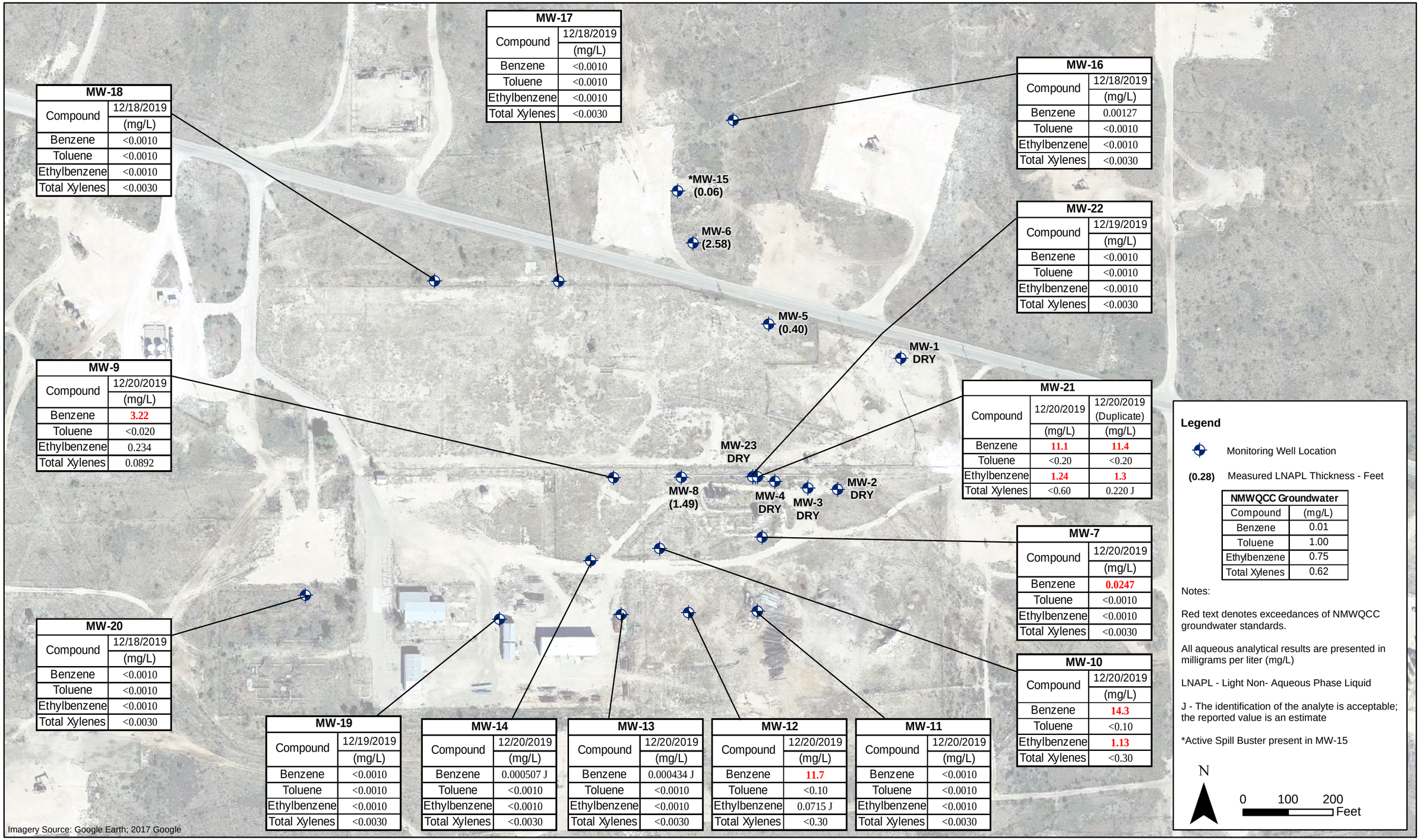
Date	Total Tank Depth (feet)	Product in Tank (feet)	Depth to Water (feet)	Volume of Product (gallons)	Volume of Water (gallons)	Cumulative Volume of Water & Product (Gallons)	Pump Rate (gallons per day)
Lee Booster Station - MW-15 Well (Spill Buster Installed 9/14/13)							
09/15/13	2.05	1.72	- -	16.90	- -	16.90	16.90
09/16/13	2.05	1.65	- -	20.48	- -	20.48	3.58
09/20/13	2.05	1.34	- -	36.35	- -	36.35	3.97
09/25/13	2.05	1.12	- -	47.62	- -	47.62	2.25
10/04/13	2.05	0.90	- -	58.88	- -	58.88	1.13
10/10/13	2.05	0.70	- -	69.12	- -	69.12	1.71
10/17/13	2.05	0.44	- -	82.43	- -	82.43	1.90
10/25/13	2.05	0.35	- -	87.04	- -	87.04	0.58
Tank emptied on 10/31/13							
11/13/13	2.05	1.84	- -	10.75	- -	97.79	0.83
11/22/13	2.05	1.50	- -	28.16	- -	115.20	1.93
12/04/13	2.05	1.22	- -	42.50	- -	129.54	1.19
12/18/13	2.05	1.00	- -	53.76	- -	140.80	0.94
01/06/14	2.05	0.63	- -	72.70	- -	159.74	0.92
01/23/14	2.05	0.34	- -	87.55	- -	174.59	0.87
01/27/14	2.05	0.32	- -	88.58	- -	175.62	0.26
Tank emptied on 1/27/14							
02/10/14	2.05	1.72	- -	16.90	- -	192.51	1.21
04/25/14	2.05	0.76	- -	66.05	- -	241.66	0.66
05/27/14	2.05	0.49	- -	79.87	- -	255.49	0.43
06/02/14	2.05	0.44	- -	82.43	- -	258.05	0.43
Tank emptied on 6/2/14							
06/24/14	2.05	1.95	- -	5.12	- -	263.17	0.23
08/15/14	2.05	1.50	- -	28.16	- -	286.21	0.44
09/25/14	2.05	1.30	- -	38.40	- -	296.45	0.25
10/16/14	2.05	1.10	- -	48.64	- -	306.69	0.49
12/18/14	2.05	0.79	- -	64.51	- -	322.56	0.25
03/12/15	2.05	0.44	- -	82.43	- -	340.48	0.21
Tank emptied on 3/12/15							
05/05/15	2.05	1.92	- -	6.66	- -	347.14	0.12
06/03/15	2.05	1.85	- -	10.24	- -	350.72	0.12
08/31/15	2.05	1.68	- -	18.94	- -	359.42	0.10
12/15/15	2.05	1.46	- -	30.21	- -	370.69	0.11
03/23/16	2.05	1.06	- -	50.69	- -	391.17	0.21
The 105 gallon poly holding tank was emptied and replaced with a 55-gallon steel drum holding tank on March 23, 2016							
03/23/16	2.85	0	- -	0.00	- -	391.17	NA
06/22/16	2.85	1.6	- -	30.88	- -	422.05	0.34
12/20/16	2.85	2.83	- -	54.62	- -	445.79	0.13
Tank emptied on 12/21/16.							
12/21/16	2.85	0	- -	0.00	- -	445.79	NA
06/21/17	2.85	1.2	- -	23.16	- -	468.95	0.13
12/19/17	LNAPL Recovery System Not Operational						
07/05/18	2.85	1.2	--	23.16		468.95	0.00
08/13/18	2.85	1.2	--	23.16		468.95	0.00
11/08/18	2.85	1.2	--	23.16		468.95	0.00
12/05/18	2.85	1.29	--	24.90		470.69	0.06
01/10/19	2.85	1.58	--	30.49		476.28	0.16
02/15/19	2.85	1.71	--	33.00		478.79	0.07
03/22/19	2.85	1.74	--	33.58		479.37	0.02
05/03/19	2.85	1.79	--	34.55		480.34	0.02
06/17/19	2.85	1.82	--	35.13		480.92	0.01
09/17/19	2.85	1.82	--	35.13		480.92	0.00
11/20/19	2.85	1.82	--	35.13		480.92	0.00
12/18/19	2.85	1.82	--	35.13		480.92	0.00

Notes:
- One foot within the 105-gallon poly holding tank equals 51.22 gallons/ One tenth of a foot equals 5.12 gallons.
- One foot within the 55-gallon steel drum holding tank equals 19.3 Gallons.

Figures

DATE: January 2020 DESIGNED BY: B. Humphrey DRAWN BY: J. Clonts	TASMAN GEOSCIENCES **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Former Lee Gas Plant** Second Half 2019 Semi-Annual Groundwater Monitoring Summary Report	Site Map with Monitoring and Remediation Well Locations	Figure 2

DATE: January 2020 DESIGNED BY: B. Humphrey DRAWN BY: J. Clonts	TASMAN GEOSCIENCES Tasman Geosciences, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Former Lee Gas Plant** Second Half 2019 Semi-Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (December 18, 2019)	Figure 3



DATE: January 2020
DESIGNED BY: B. Humphrey
DRAWN BY: J. Clonts

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

DCP Midstream
Former Lee Gas Plant
Second Half 2019 Semi-Annual Groundwater Monitoring Summary Report

Analytical Results Map
(December 18 - 20, 2019)

Figure 4

Appendix A

Historical Analytical Data

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-1	03/01/08	**1.4**	0.0395	**0.948**	0.128	
MW-1	06/01/08	**2.75**	0.054	**2.17**	0.232	
MW-1	09/01/08	**1.1**	0.0375	**0.845**	0.131	
MW-1	12/01/08	**0.869**	0.0385	0.581	0.0709	
MW-1	03/01/09	**0.288**	0.0149	0.107	0.0395	
MW-1	05/01/09	**1.38**	0.0705	0.175	0.065	
MW-1	09/01/09	**0.267**	0.024	0.0332	0.0078	
MW-1	12/2009	**0.819**	0.088	0.0267	0.012	
MW-1	03/01/10	**0.726**	0.0879	0.107	0.0278	
MW-1	Removed from sampling plan					
MW-2	03/01/08	**8.98**	0.135	**6.58**	**0.765**	
MW-2	06/01/08	**24.3**	0.319	**18.5**	**2.58**	
MW-2	09/01/08	**21.7**	0.443	**9.79**	**4.25**	
MW-2	12/01/08	Not Sampled: Remediation Activities				
MW-2	03/01/09	**23.7**	0.538	**2.34**	**1.25**	
MW-2	05/01/09	**32.7**	**0.791**	**1.31**	**1.69**	
MW-2	09/01/09	**29.3**	0.491	**0.771**	0.371	
MW-2	12/01/09	**28.5**	0.57	0.347	0.177	
MW-2	03/01/10	**23.8**	0.529	0.71	<1.2	
MW-2	Removed from sampling plan					
MW-3	09/27/05	<0.47	<0.54	<0.48	<2.0	
MW-3	12/21/06	<0.23	<0.54	<0.48	<1.1	
MW-3	03/01/08	Dry				
MW-3	06/01/08	Dry				
MW-3	09/01/08	Dry				
MW-3	12/01/08	Dry				
MW-3	03/01/09	Dry				
MW-3	05/01/09	Dry				
MW-3	09/01/09	Dry				
MW-3	12/01/09	Dry				
MW-3	03/01/10	Dry				
MW-3	03/29/10	Dry				
MW-3	09/24/10	Dry				
MW-3	06/03/11	Dry				
MW-3	12/15/11	Dry				
MW-3	06/07/12	Dry				
MW-3	12/06/12	Dry				
MW-3	06/05/13	Dry				
MW-3	12/04/13	Dry				
MW-3	06/04/14	Dry				
MW-3	12/05/14	Dry				
MW-3	Removed from sampling plan					

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-4	12/21/06	**0.03**	0.0058	<0.48	0.0075	
MW-4	12/01/09	Dry				
MW-4	06/01/08	Dry				
MW-4	09/01/08	Dry				
MW-4	12/01/08	Dry				
MW-4	03/01/09	Dry				
MW-4	05/01/09	Dry				
MW-4	09/01/09	Dry				
MW-4	12/01/09	Dry				
MW-4	03/01/10	Dry				
MW-4	Removed from sampling plan					
MW-5	03/01/08	LNAPL				
MW-5	03/29/10	LNAPL				
MW-5	09/24/10	LNAPL				
MW-5	06/03/11	LNAPL				
MW-5	12/15/11	LNAPL				
MW-5	06/07/12	LNAPL				
MW-5	12/06/12	LNAPL				
MW-5	06/05/13	LNAPL				
MW-5	12/04/13	LNAPL				
MW-5	06/04/14	LNAPL				
MW-5	12/05/14	LNAPL				
MW-5	06/04/15	LNAPL				
MW-5	12/15/15	LNAPL				
MW-5	06/21/16	LNAPL				
MW-5	12/20/16	LNAPL				
MW-5	06/20/17	LNAPL				
MW-5	12/19/17	LNAPL				
MW-5	06/25/18	LNAPL				
MW-5	12/13/18	LNAPL				
MW-5	06/17/19	LNAPL				
MW-5	12/18/19	LNAPL				

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-6	12/21/06	<0.23	<0.54	<0.48	<1.1	
MW-6	03/29/10	LNAPL				
MW-6	09/24/10	LNAPL				
MW-6	06/03/11	LNAPL				
MW-6	12/15/11	LNAPL				
MW-6	12/06/12	LNAPL				
MW-6	06/07/12	LNAPL				
MW-6	06/05/13	LNAPL				
MW-6	12/04/13	LNAPL				
MW-6	06/04/14	LNAPL				
MW-6	12/05/14	LNAPL				
MW-6	06/04/15	LNAPL				
MW-6	12/15/15	LNAPL				
MW-6	06/21/16	LNAPL				
MW-6	12/20/16	LNAPL				
MW-6	06/20/17	LNAPL				
MW-6	12/19/17	LNAPL				
MW-6	06/25/18	LNAPL				
MW-6	12/13/18	LNAPL				
MW-6	06/17/19	LNAPL				
MW-6	12/18/19	LNAPL				
MW-7	09/24/04	<1.0	0.0012	0.0017	<2.0	
MW-7	09/27/05	0.001	<0.54	0.0025	<2.0	
MW-7	09/15/06	**0.74**	<0.54	0.0056	0.0086	
MW-7	12/21/06	<0.23	<0.54	<0.48	<1.1	
MW-7	09/20/07	**0.864**	<0.00054	0.006	0.0137	
MW-7	09/17/09	**5.75**	0.0018	0.002	0.0018	
MW-7	03/29/10	**4.98**	0.0017	0.0146	0.0088	
MW-7	03/29/10	**4.98**	0.0017	0.0146	0.0088	
MW-7	09/23/10	**0.976**	0.00057	0.0083	<0.0017	
MW-7	09/24/10	**0.976**	0.00057	0.0083	<0.0017	
MW-7	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-7	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-7	12/15/11	0.0013	<0.002	<0.002	<0.004	
MW-7	06/07/12	**0.037**	<0.005	<0.005	<0.015	
MW-7	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-7	06/04/13	0.0062	<0.001	<0.001	<0.001	
MW-7	12/04/13	**0.2**	<0.001	0.0073	0.01	
MW-7	06/04/14	**0.53**	<0.001	0.026	0.012	
MW-7	12/05/14	0.0066	<0.001	<0.001	<0.003	
MW-7	06/04/15	**0.23**	<0.001	0.0023	<0.003	
MW-7	12/15/15	0.0075	<0.001	<0.001	<0.003	
MW-7	06/22/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-7	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-7	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-7	12/19/17	**0.0633**	<0.0010	<0.0010	<0.0030	
MW-7	06/26/18	**0.0149**	<0.0010	<0.0010	<0.0030	
MW-7	12/13/18	**1.17**	<0.0010	0.0280	0.00278 J	
MW-7	06/19/19	**0.266**	<0.0050	0.00207 J	<0.0150	
MW-7	12/20/19	**0.0247**	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-8	12/21/06	<0.23	<0.54	<0.48	<1.1	
MW-8	03/29/10	LNAPL				
MW-8	09/24/10	LNAPL				
MW-8	06/03/11	LNAPL				
MW-8	12/15/11	LNAPL				
MW-8	06/07/12	LNAPL				
MW-8	12/06/12	LNAPL				
MW-8	06/05/13	LNAPL				
MW-8	12/04/13	LNAPL				
MW-8	06/04/14	LNAPL				
MW-8	12/04/14	LNAPL				
MW-8	06/04/15	LNAPL				
MW-8	12/15/15	LNAPL				
MW-8	06/21/16	LNAPL				
MW-8	12/20/16	LNAPL				
MW-8	06/20/17	LNAPL				
MW-8	12/19/17	LNAPL				
MW-8	06/25/18	LNAPL				
MW-8	12/13/18	LNAPL				
MW-8	06/17/19	LNAPL				
MW-8	12/18/19	LNAPL				
MW-9	09/23/04	**2.4**	<1.0	0.013	0.0027	
MW-9	09/27/05	**3.4**	<0.54	0.053	0.0096	
MW-9	09/15/06	**10.9**	<0.54	-	0.025	
MW-9	09/20/07	**22.6**	<0.00054	0.27	0.0834	
MW-9	09/17/09	**10.2**	<0.00043	0.212	0.0351	
MW-9	03/29/10	**0.376**	<0.002	0.0016	<0.006	
MW-9	03/29/10	**0.376**	<0.00043	0.0016	<0.0017	
MW-9	09/23/10	**0.0167**	<0.00043	0.0008	<0.0017	
MW-9	09/24/10	**0.0167**	<0.002	0.0008	<0.0017	
MW-9	06/03/11	LNAPL	LNAPL	LNAPL	LNAPL	
MW-9	12/16/11	**12.5**	<0.40	0.39	<0.80	
MW-9	06/07/12	**13**	0.44	<0.025	<0.075	
MW-9	12/07/12	**13**	**0.89**	<0.050	0.28	Duplicate sample collected
MW-9	06/05/13	**16**	<0.010	**0.96**	0.38	Duplicate sample collected
MW-9	12/04/13	**9.4**	<0.010	0.61	0.025	Duplicate sample collected
MW-9	06/05/14	**7.2**	<0.01	0.53	0.12	Duplicate sample collected
MW-9 (Duplicate)	06/05/14	**7.2**	<0.01	0.53	0.12	
MW-9	12/05/14	**2.9**	<0.001	0.4	0.096	Duplicate sample collected
MW-9 (Duplicate)	12/05/14	**3.1**	<0.001	0.4	0.11	
MW-9	06/04/15	**0.77**	<0.001	0.041	0.0059	Duplicate sample collected
MW-9 (Duplicate)	06/04/15	**0.88**	<0.001	0.048	0.0081	
MW-9	12/15/15	**1.1**	0.001	0.081	0.011	Duplicate #1 sample collected
MW-9 (Duplicate)	12/15/15	**0.67**	<0.001	0.036	<0.003	
MW-9	06/22/16	**4.3**	<0.0010	0.13	0.028	Duplicate #1 sample collected
MW-9 (Duplicate)	06/22/16	**4**	<0.0010	0.13	0.026	
MW-9	12/20/16	**8.9**	<0.010	0.65	0.21	
MW-9	06/20/17	**3.7**	<0.010	0.26	0.062	
MW-9	12/19/17	**4.53**	<0.0010	0.374	0.0717	
MW-9	06/26/18	**3.16**	<0.0250	0.247	<0.0750	
MW-9	12/13/18	**3.61**	<0.0010	0.272	0.0423	
MW-9	06/19/19	**3.92**	<0.020	0.244	0.0452 J	
MW-9	12/20/19	**3.22**	<0.020	0.234	0.0892	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-10	09/24/04	**0.022**	<1.0	<1.0	<2.0	
MW-10	09/27/05	0.0032	<0.54	<0.48	<2.0	
MW-10	09/15/06	0.0025	<0.54	<0.48	<1.1	
MW-10	09/20/07	**3.67**	<0.00054	0.0016	<0.0011	
MW-10	09/17/09	**3.58**	<0.00043	0.0411	<0.0017	
MW-10	03/29/10	**0.192**	<0.002	0.00095	<0.006	
MW-10	03/29/10	**0.192**	<0.00043	0.00095	<0.0017	
MW-10	09/24/10	**12.2**	<0.002	0.0723	0.0026	
MW-10	09/24/10	**12.2**	<0.00043	0.0723	0.0026	
MW-10	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-10	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-10	12/15/11	**12.5**	<0.40	0.204	<0.80	
MW-10	06/07/12	**29**	0.19	<0.05	<0.15	
MW-10	12/07/12	**27**	0.23	<0.050	<0.15	
MW-10	06/05/13	**26**	<0.010	0.33	<0.010	
MW-10	12/04/13	**19**	<0.010	0.3	<0.01	
MW-10	06/05/14	**20**	<0.01	0.55	<0.01	
MW-10	12/05/14	**16**	<0.025	0.23	<0.075	
MW-10	06/04/15	**24**	<0.01	0.37	<0.003	
MW-10	12/15/15	**11**	<0.01	0.28	0.033	
MW-10	06/22/16	**20**	<0.010	0.62	<0.030	
MW-10	12/20/16	**30**	<0.010	0.57	0.015	Duplicate #1 sample collected
MW-10 (Duplicate)	12/20/16	**29**	<0.010	0.55	0.013	
MW-10	06/21/17	**18**	<0.025	0.62	<0.025	Duplicate #1 sample collected
MW-10 (Duplicate)	06/21/17	**19**	<0.025	0.65	<0.025	
MW-10	12/19/17	**28.7**	0.000553 J	**1.93**	0.0274	Duplicate #1 sample collected
MW-10 (Duplicate)	12/19/17	**28.5**	<0.0010	**1.88**	0.0251	
MW-10	06/26/18	**18.0**	<0.20	**1.43**	<0.60	Duplicate #1 sample collected
MW-10 (Duplicate)	06/26/18	**14.9**	<0.20	**1.17**	<0.60	
MW-10	12/13/18	**19.8**	<0.010	**1.56**	0.0116 J	Duplicate #1 sample collected
MW-10 (Duplicate)	12/13/18	**23.4**	<0.050	**1.38**	<0.150	
MW-10	06/19/19	**18.0**	<0.10	**1.32**	<0.30	Duplicate A sample collected
MW-10 (Duplicate)	06/19/19	**18.5**	<0.20	**1.26**	<0.60	
MW-10	12/20/19	**14.3**	<0.10	**1.13**	<0.30	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-11	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-11	03/14/05	<1.0	<1.0	<1.0	<2.0	
MW-11	09/26/05	<0.47	<0.54	<0.48	<2.0	
MW-11	03/02/06	<0.47	<0.54	<0.48	<2.0	
MW-11	09/14/06	<0.23	<0.54	<0.48	<1.1	
MW-11	03/28/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-11	09/20/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-11	03/20/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-11	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-11	09/18/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-11	03/29/10	<0.002	<0.002	<0.002	<0.006	
MW-11	03/29/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-11	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-11	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-11	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-11	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-11	12/15/11	<0.001	<0.002	<0.002	<0.004	
MW-11	06/08/12	<0.005	<0.005	<0.005	<0.015	
MW-11	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-11	06/04/13	<0.001	<0.001	<0.001	<0.001	
MW-11	12/04/13	<0.001	<0.001	<0.001	<0.001	
MW-11	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-11	12/04/14	<0.001	<0.001	<0.001	<0.003	
MW-11	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-11	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-11	06/22/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-11	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-11	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-11	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-11	06/26/18	<0.0010	0.000668 B J	<0.0010	<0.0030	
MW-11	12/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-11	06/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-11	12/20/19	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-12	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-12	03/14/05	<1.0	<1.0	<1.0	<2.0	
MW-12	09/26/05	<0.47	<0.54	<0.48	<2.0	
MW-12	03/02/06	<0.47	<0.54	<0.48	<2.0	
MW-12	09/14/06	<0.23	<0.54	<0.48	<1.1	
MW-12	03/28/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-12	09/20/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-12	03/20/08	<0.00046	0.00065	<0.00045	<0.0014	
MW-12	11/10/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-12	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-12	09/18/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-12	03/29/10	<0.002	<0.002	<0.002	<0.006	
MW-12	03/29/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-12	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-12	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-12	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-12	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-12	12/16/11	<0.001	<0.002	<0.002	<0.004	
MW-12	06/07/12	**0.74**	<0.005	<0.005	<0.015	
MW-12	12/07/12	**5.5**	0.0086	<0.005	<0.015	
MW-12	06/05/13	**4.3**	<0.005	<0.005	<0.005	
MW-12	12/04/13	**3.7**	<0.0010	0.0011	<0.001	
MW-12	06/04/14	**8.1**	<0.001	0.0038	0.0015	
MW-12	12/05/14	**2.8**	<0.001	0.0014	<0.003	
MW-12	06/04/15	**1.3**	<0.005	<0.005	<0.015	
MW-12	12/15/15	**2.3**	<0.01	<0.01	<0.03	
MW-12	06/22/16	**8.3**	<0.010	<0.010	<0.030	
MW-12	12/20/16	**11**	<0.010	0.12	<0.010	
MW-12	06/20/17	**4.4**	<0.0050	0.021	<0.0050	
MW-12	12/19/17	**5.68**	0.000927 J	0.00345	0.00401	
MW-12	06/26/18	**7.32**	<0.050	0.0957	<0.150	
MW-12	12/13/18	**13.5**	<0.0250	0.0266	<0.0750	
MW-12	06/19/19	**3.05**	<0.10	<0.10	<0.30	
MW-12	12/20/19	**11.7**	<0.10	0.0715 J	<0.30	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-13	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-13	03/14/05	<1.0	<1.0	<1.0	<2.0	
MW-13	09/26/05	<0.47	<0.54	<0.48	<2.0	
MW-13	03/02/06	<0.47	<0.54	<0.48	<2.0	
MW-13	09/14/06	<0.23	<0.54	<0.48	<1.1	
MW-13	03/28/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-13	09/20/07	0.00092	<0.00054	<0.00048	<0.0011	
MW-13	03/20/08	<0.00046	0.0005	<0.00045	<0.0014	
MW-13	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-13	09/18/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-13	03/29/10	<0.002	<0.002	<0.002	<0.006	
MW-13	03/29/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-13	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-13	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-13	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-13	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-13	12/16/11	<0.001	<0.002	<0.002	<0.004	
MW-13	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-13	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-13	06/04/13	0.0022	<0.001	<0.001	<0.001	
MW-13	12/04/13	<0.001	<0.001	<0.001	<0.001	
MW-13	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-13	12/04/14	<0.001	<0.001	<0.001	<0.003	MS/MSD Collected
MW-13	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-13	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-13	06/22/16	0.0016	<0.0010	<0.0010	<0.0030	
MW-13	12/20/16	0.0038	<0.0010	<0.0010	<0.0010	
MW-13	06/20/17	**0.17**	<0.0010	<0.0010	0.0023	
MW-13	12/19/17	0.00731	<0.0010	0.000574 J	<0.0030	
MW-13	06/25/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-13	12/12/18	**0.0872**	<0.0010	<0.0010	<0.0030	
MW-13	06/19/19	0.0064	<0.0010	<0.0010	<0.0030	
MW-13	12/20/19	0.000434 J	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-14	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-14	09/27/05	0.0017	<0.54	<0.48	<2.0	
MW-14	09/15/06	**0.14**	<0.54	0.003	<1.1	
MW-14	09/20/07	0.003	<0.00054	<0.00048	<0.0011	
MW-14	09/18/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	03/29/10	NS	NS	NS	NS	
MW-14	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-14	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-14	06/03/11	NS	NS	NS	NS	
MW-14	12/15/11	**0.231**	<0.002	0.0095	<0.004	
MW-14	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-14	12/07/12	0.0024	<0.001	<0.001	<0.003	
MW-14	06/05/13	0.0019	<0.001	<0.001	<0.001	
MW-14	12/04/13	**0.44**	<0.001	<0.001	<0.001	
MW-14	06/04/14	**0.9**	<0.001	0.0052	0.0067	
MW-14	12/05/14	<0.001	<0.001	<0.001	<0.003	
MW-14	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-14	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-14	06/22/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-14	06/20/17	0.0017	<0.0010	<0.0010	<0.0010	
MW-14	12/19/17	0.000343 J	<0.0010	<0.0010	<0.0030	
MW-14	06/25/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	12/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	06/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-14	12/20/19	0.000507 J	<0.0010	<0.0010	<0.0030	
MW-15	03/29/10	LNAPL				
MW-15	09/24/10	LNAPL				
MW-15	06/03/11	LNAPL				
MW-15	12/15/11	LNAPL				
MW-15	06/07/12	LNAPL				
MW-15	12/06/12	LNAPL				
MW-15	06/05/13	LNAPL				
MW-15	12/04/13	LNAPL				
MW-15	06/04/14	LNAPL				
MW-15	12/05/14	LNAPL				
MW-15	06/04/15	LNAPL				
MW-15	12/15/15	LNAPL				
MW-15	06/21/16	LNAPL				
MW-15	12/20/16	LNAPL				
MW-15	06/20/17	LNAPL				
MW-15	12/19/17	LNAPL				
MW-15	06/25/18	LNAPL				Active Spill Buster in Well
MW-15	12/13/18	LNAPL				Active Spill Buster in Well
MW-15	06/17/19	LNAPL				Active Spill Buster in Well
MW-15	12/18/19	LNAPL				Active Spill Buster in Well

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-16	09/23/04	**0.012**	<1.0	<1.0	<2.0	
MW-16	09/26/05	**0.016**	<0.54	<0.48	<2.0	
MW-16	09/14/06	**0.2**	0.0097	0.0035	0.0078	
MW-16	09/20/07	**0.0309**	0.0014	0.00053	0.0018	
MW-16	09/18/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	03/29/10	NS	NS	NS	NS	
MW-16	09/23/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-16	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-16	06/03/11	NS	NS	NS	NS	
MW-16	12/15/11	<0.001	<0.002	<0.002	<0.004	
MW-16	06/08/12	<0.005	<0.005	<0.005	<0.015	
MW-16	12/06/12	**0.051**	0.0013	0.0027	<0.003	
MW-16	06/05/13	0.0086	<0.001	<0.001	<0.001	
MW-16	12/04/13	0.078	0.0029	0.0028	0.0032	
MW-16	06/04/14	**0.071**	0.0014	0.0019	0.0039	
MW-16	12/04/14	**0.037**	<0.001	<0.001	<0.003	
MW-16	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-16	12/15/15	0.007	<0.001	<0.001	<0.003	
MW-16	06/21/16	**0.011**	<0.0010	<0.0010	<0.0030	
MW-16	12/20/16	0.0021	<0.0010	<0.0010	<0.0010	
MW-16	06/20/17	0.002	<0.0010	<0.0010	<0.0010	
MW-16	12/19/17	0.00971	0.000560 J	0.000602 J	<0.0030	
MW-16	06/26/18	0.00268	<0.0010	<0.0010	<0.0030	
MW-16	12/11/18	**0.103**	0.00250	0.00817	0.0129	
MW-16	06/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-16	12/18/19	0.00127	<0.0010	<0.0010	<0.0030	
MW-17	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-17	09/26/05	0.0018	<0.54	<0.48	<2.0	
MW-17	09/14/06	<0.23	<0.54	<0.48	<1.1	
MW-17	09/20/07	**0.0118**	<0.00054	<0.00048	<0.0011	
MW-17	09/18/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	03/29/10	NS	NS	NS	NS	
MW-17	09/23/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-17	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-17	06/03/11	NS	NS	NS	NS	
MW-17	12/15/11	<0.001	<0.002	<0.002	<0.004	
MW-17	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-17	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-17	06/04/13	<0.001	<0.001	<0.001	<0.001	
MW-17	12/04/13	0.0014	<0.001	<0.001	<0.001	
MW-17	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-17	12/04/14	0.0022	<0.001	<0.001	<0.003	
MW-17	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-17	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-17	06/21/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-17	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-17	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	06/26/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	12/12/18	0.000417 J	<0.0010	<0.0010	<0.0030	
MW-17	06/17/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-17	12/18/19	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-18	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-18	09/26/05	<0.47	<0.54	<0.48	<2.0	
MW-18	09/14/06	<0.23	<0.54	<0.48	<1.1	
MW-18	09/20/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-18	09/17/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-18	03/29/10	NS	NS	NS	NS	
MW-18	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-18	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-18	06/03/11	NS	NS	NS	NS	
MW-18	12/16/11	<0.001	<0.002	<0.002	<0.004	
MW-18	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-18	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-18	06/04/13	<0.001	<0.001	<0.001	<0.001	
MW-18	12/04/13	<0.001	<0.001	<0.001	<0.001	
MW-18	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-18	12/04/14	<0.001	<0.001	<0.001	<0.003	
MW-18	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-18	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-18	06/21/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-18	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-18	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	06/26/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	12/12/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	06/17/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-18	12/18/19	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-19	09/23/04	<1.0	<1.0	<1.0	<2.0	
MW-19	03/14/05	<1.0	<1.0	<1.0	<2.0	
MW-19	09/26/05	<0.47	<0.54	<0.48	<2.0	
MW-19	03/02/06	<0.47	<0.54	<0.48	<2.0	
MW-19	09/14/06	<0.23	<0.54	<0.48	<1.1	
MW-19	03/28/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-19	09/20/07	0.001	<0.00054	<0.00048	<0.0011	
MW-19	03/20/08	<0.00046	0.00061	<0.00045	<0.0014	
MW-19	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-19	09/17/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	03/29/10	<0.002	<0.002	<0.002	<0.006	
MW-19	03/29/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-19	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-19	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-19	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-19	12/16/11	<0.001	<0.002	<0.002	<0.004	
MW-19	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-19	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-19	06/04/13	<0.001	<0.001	<0.001	<0.001	
MW-19	12/04/13	<0.001	<0.001	<0.001	<0.001	
MW-19	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-19	12/04/14	<0.001	<0.001	<0.001	<0.003	
MW-19	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-19	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-19	06/21/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-19	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-19	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	06/25/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	12/12/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	06/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-19	12/19/19	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-20	09/23/04	<11	<11	<11	<22	
MW-20	03/14/05	<1.0	<1.0	<1.0	<2.0	
MW-20	09/26/05	<0.47	<0.54	<0.48		
MW-20	03/02/06	<0.47	<0.54	<0.48	<2.0	
MW-20	09/14/06	<0.23	<0.54	0.0023	<1.1	
MW-20	03/28/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	09/20/07	<0.00023	<0.00054	<0.00048	<0.0011	
MW-20	03/20/08	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	03/11/09	<0.00046	<0.00048	<0.00045	<0.0014	
MW-20	09/17/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	03/29/10	<0.002	<0.002	<0.002	<0.006	
MW-20	03/29/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	09/24/10	<0.002	<0.002	<0.002	<0.006	
MW-20	09/24/10	<0.00050	<0.00043	<0.00055	<0.0017	
MW-20	06/03/11	<0.001	<0.002	<0.002	<0.004	
MW-20	06/03/11	<0.00025	<0.0010	<0.00050	<0.0020	
MW-20	12/15/11	0.0013	<0.002	<0.002	<0.004	
MW-20	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-20	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-20	06/04/13	<0.001	<0.001	<0.001	<0.001	
MW-20	12/04/13	<0.001	<0.001	<0.001	<0.001	
MW-20	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-20	12/04/14	<0.001	<0.001	<0.001	<0.003	
MW-20	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-20	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-20	06/21/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-20	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-20	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	06/25/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	12/12/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	06/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-20	12/18/19	<0.0010	<0.0010	<0.0010	<0.0030	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-21	09/23/04	**8.5**	<1.0	0.14	0.2	
MW-21	03/14/05	**6.7**	<1.0	0.17	0.29	
MW-21	09/27/05	**4.4**	<0.54	0.087	0.11	
MW-21	03/02/06	**2.4**	0.00062	0.069	0.11	
MW-21	09/15/06	**0.48**	<0.54	0.023	0.034	
MW-21	03/28/07	**13.2**	0.0059	**0.839**	**0.883**	
MW-21	09/20/07	**7.23**	0.00067	0.462	0.321	
MW-21	03/20/08	**0.899**	<0.00048	0.0399	0.0452	
MW-21	03/11/09	**0.216**	<0.00048	0.0018	<0.0014	
MW-21	09/17/09	**12.1**	0.0034	**1.09**	0.312	
MW-21	03/29/10	**14.8**	0.00265	**1.54**	0.1945	
MW-21	03/29/10	**13**	0.0023	**1.32**	0.0959	
MW-21	09/24/10	**11.555**	0.0019	**1.535**	0.02645	
MW-21	09/25/10	**9.41**	0.002	**1.4**	0.0104	
MW-21	06/03/11	**7.97**	0.0012	0.536	<0.004	Duplicate sample collected
MW-21	06/03/11	**7.78**	0.0011	0.465	<0.0020	
MW-21	12/16/11	**0.671**	<0.02	0.0513	<0.04	Duplicate sample collected
MW-21	06/07/12	**4.4**	0.24	<0.025	0.086	Duplicate sample collected
MW-21	12/07/12	**1.9**	0.24	<0.005	0.098	
MW-21	06/05/13	**0.78**	<0.001	0.097	0.011	
MW-21	12/04/13	**1.8**	<0.0010	0.1	0.0064	
MW-21	06/04/14	**1.5**	<0.001	0.18	0.1	
MW-21	12/05/14	**3.1**	0.0011	0.6	0.22	
MW-21	06/04/15	**3**	<0.001	0.2	0.043	
MW-21	12/15/15	**6.1**	<0.025	**1.8**	**0.67**	Duplicate #2 sample collected
MW-21 (Duplicate)	12/15/15	**6**	<0.025	**1.8**	**0.69**	
MW-21	06/22/16	**11**	<0.010	**1.5**	0.54	Duplicate #2 sample collected
MW-21 (Duplicate)	06/22/16	**12**	<0.010	**1.6**	0.42	
MW-21	12/20/16	**11**	<0.010	**1.3**	0.31	Duplicate #2 sample collected
MW-21 (Duplicate)	12/20/16	**12**	<0.010	**1.3**	0.37	
MW-21	06/20/17	**1.7**	<0.0050	0.13	0.011	Duplicate #2 sample collected
MW-21 (Duplicate)	06/20/17	**1.7**	<0.0050	0.13	0.0096	
MW-21	12/19/17	**7.43**	0.00151	**0.849**	0.117	
MW-21 (Duplicate)	12/19/17	**8.07**	0.00161	**0.925**	0.133	
MW-21	06/26/18	**15.0**	<0.050	**1.19**	0.241	Duplicate #2 sample collected
MW-21 (Duplicate)	06/26/18	**13.0**	<0.050	**1.15**	0.20	
MW-21	12/13/18	**9.51**	<0.050	**1.14**	0.0899 J	Duplicate #2 sample collected
MW-21 (Duplicate)	12/13/18	**12.1**	<0.020	**1.24**	0.0961	
MW-21	06/19/19	**15.4**	<0.20	**1.87**	0.351 J	Duplicate B sample collected
MW-21 (Duplicate)	06/19/19	**17.6**	<0.20	**2.13**	0.335 J	
MW-21	12/20/19	**11.1**	<0.20	**1.24**	<0.60	Duplicate sample collected
MW-21 (Duplicate)	12/20/19	**11.4**	<0.20	**1.3**	0.220 J	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX CONCENTRATIONS IN GROUNDWATER
FORMER LEE GAS PLANT
LEA COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.75**	**0.62**	
MW-22	09/23/04	0.0067	<1.0	<1.0	<2.0	
MW-22	09/27/05	<0.47	<0.54	<0.48	<2.0	
MW-22	09/15/06	**0.011**	<0.54	<0.48	<1.1	
MW-22	09/20/07	0.00057	<0.00054	<0.00048	<0.0011	
MW-22	09/17/09	<0.00050	<0.00043	<0.00055	<0.0017	
MW-22	03/29/10	NS	NS	NS	NS	
MW-22	09/24/10	**0.0114**	<0.002	0.0033	<0.006	
MW-22	09/25/10	**0.0114**	<0.00043	0.0033	<0.0017	
MW-22	06/03/11	NS	NS	NS	NS	
MW-22	12/16/11	<0.001	<0.002	<0.002	<0.004	
MW-22	06/07/12	<0.005	<0.005	<0.005	<0.015	
MW-22	12/06/12	<0.001	<0.001	<0.001	<0.003	
MW-22	06/05/13	<0.001	<0.001	<0.001	<0.001	
MW-22	12/04/13	<0.001	<0.001	<0.001	<0.001	
MW-22	06/04/14	<0.001	<0.001	<0.001	<0.001	
MW-22	12/04/14	<0.001	0.027	<0.001	<0.003	
MW-22	06/04/15	<0.001	<0.001	<0.001	<0.003	
MW-22	12/15/15	<0.001	<0.001	<0.001	<0.003	
MW-22	06/22/16	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	12/20/16	<0.0010	<0.0010	<0.0010	<0.0010	
MW-22	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
MW-22	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	06/26/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	12/13/18	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	06/18/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-22	12/19/19	<0.0010	<0.0010	<0.0010	<0.0030	
MW-23	06/04/14	Dry				
MW-23	12/05/14	Dry				
MW-23	06/04/15	Dry				
MW-23	12/15/15	Dry				
MW-23	06/21/16	Dry				
MW-23	Removed from sampling plan					
Trip Blank	06/04/14	<0.001	<0.001	<0.001	<0.001	
Trip Blank	12/04/14	<0.001	<0.001	<0.001	<0.001	
Trip Blank	06/04/15	<0.001	<0.001	<0.001	<0.003	
Trip Blank	12/15/15	<0.001	<0.001	<0.001	<0.003	
Trip Blank	06/22/16	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	12/20/16	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	06/20/17	<0.0010	<0.0010	<0.0010	<0.0010	
Trip Blank	12/19/17	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	06/25/18	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	12/11/18	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	06/19/19	<0.0010	<0.0010	<0.0010	<0.0030	
Trip Blank	12/20/19	<0.0010	<0.0010	<0.0010	<0.0030	

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

NS = Not Sampled

NA = Not Analyzed

mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

Pace Analytical Job #: L1173454

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

January 22, 2020

DCP Midstream - Tasman

Sample Delivery Group:	L1173454
Samples Received:	12/21/2019
Project Number:	
Description:	Former Lee Booster Station

Report To:

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

TABLE OF CONTENTS

MW-7 L1173454-01 GW

Collected by: Nick K. | Collected date/time: 12/20/19 10:40 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1404165	1	12/30/19 21:30	12/30/19 21:30	ACG	Mt. Juliet, TN

MW-9 L1173454-02 GW

Collected by: Nick K. | Collected date/time: 12/20/19 11:48 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	20	12/23/19 18:29	12/23/19 18:29	JCP	Mt. Juliet, TN

MW-10 L1173454-03 GW

Collected by: Nick K. | Collected date/time: 12/20/19 12:44 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	100	12/23/19 18:48	12/23/19 18:48	JCP	Mt. Juliet, TN

MW-11 L1173454-04 GW

Collected by: Nick K. | Collected date/time: 12/20/19 13:04 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	1	12/23/19 19:07	12/23/19 19:07	JCP	Mt. Juliet, TN

MW-12 L1173454-05 GW

Collected by: Nick K. | Collected date/time: 12/20/19 10:37 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	100	12/23/19 19:26	12/23/19 19:26	JCP	Mt. Juliet, TN

MW-13 L1173454-06 GW

Collected by: Nick K. | Collected date/time: 12/20/19 09:14 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	1	12/23/19 19:45	12/23/19 19:45	JCP	Mt. Juliet, TN

MW-14 L1173454-07 GW

Collected by: Nick K. | Collected date/time: 12/20/19 12:09 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	1	12/23/19 20:04	12/23/19 20:04	JCP	Mt. Juliet, TN

MW-16 L1173454-08 GW

Collected by: Nick K. | Collected date/time: 12/18/19 09:55 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401540	1	12/23/19 18:51	12/23/19 18:51	JAH	Mt. Juliet, TN

MW-17 L1173454-09 GW

Collected by: Nick K. | Collected date/time: 12/18/19 11:29 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401540	1	12/23/19 19:13	12/23/19 19:13	JAH	Mt. Juliet, TN

MW-18 L1173454-10 GW

Collected by: Nick K. | Collected date/time: 12/18/19 12:22 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401540	1	12/23/19 19:35	12/23/19 19:35	JAH	Mt. Juliet, TN

MW-19 L1173454-11 GW

Collected by: Nick K. | Collected date/time: 12/19/19 10:55 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401607	1	12/23/19 21:11	12/23/19 21:11	BMB	Mt. Juliet, TN

MW-20 L1173454-12 GW

Collected by: Nick K. | Collected date/time: 12/18/19 14:13 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401540	1	12/23/19 19:57	12/23/19 19:57	JAH	Mt. Juliet, TN

MW-21 L1173454-13 GW

Collected by: Nick K. | Collected date/time: 12/20/19 11:56 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	200	12/23/19 20:23	12/23/19 20:23	JCP	Mt. Juliet, TN

MW-22 L1173454-14 GW

Collected by: Nick K. | Collected date/time: 12/19/19 13:31 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401607	1	12/23/19 21:32	12/23/19 21:32	BMB	Mt. Juliet, TN

DUPLICATE L1173454-15 GW

Collected by: Nick K. | Collected date/time: 12/20/19 00:00 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	200	12/23/19 20:42	12/23/19 20:42	JCP	Mt. Juliet, TN

TRIP BLANK L1173454-16 GW

Collected by: Nick K. | Collected date/time: 12/20/19 00:00 | Received date/time: 12/21/19 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1401779	1	12/23/19 17:12	12/23/19 17:12	JCP	Mt. Juliet, TN

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

Chris Ward
Project Manager

Report Revision History

Version 1: 01/02/20 14:05

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0247		0.000331	0.00100	1	12/30/2019 21:30	WG1404165
Toluene	U		0.000412	0.00100	1	12/30/2019 21:30	WG1404165
Ethylbenzene	U		0.000384	0.00100	1	12/30/2019 21:30	WG1404165
Total Xylenes	U		0.00106	0.00300	1	12/30/2019 21:30	WG1404165
(S) Toluene-d8	*105*			*80.0-120*		*12/30/2019 21:30*	WG1404165
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*12/30/2019 21:30*	WG1404165
(S) 1,2-Dichloroethane-d4	*81.9*			*70.0-130*		*12/30/2019 21:30*	WG1404165

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	3.22		0.00662	0.0200	20	12/23/2019 18:29	WG1401779
Toluene	U		0.00824	0.0200	20	12/23/2019 18:29	WG1401779
Ethylbenzene	0.234		0.00768	0.0200	20	12/23/2019 18:29	WG1401779
Total Xylenes	0.0892		0.0212	0.0600	20	12/23/2019 18:29	WG1401779
(S) Toluene-d8	*106*			*80.0-120*		*12/23/2019 18:29*	WG1401779
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*12/23/2019 18:29*	WG1401779
(S) 1,2-Dichloroethane-d4	*86.7*			*70.0-130*		*12/23/2019 18:29*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	14.3		0.0331	0.100	100	12/23/2019 18:48	WG1401779
Toluene	U		0.0412	0.100	100	12/23/2019 18:48	WG1401779
Ethylbenzene	1.13		0.0384	0.100	100	12/23/2019 18:48	WG1401779
Total Xylenes	U		0.106	0.300	100	12/23/2019 18:48	WG1401779
(S) Toluene-d8	*107*			*80.0-120*		*12/23/2019 18:48*	WG1401779
(S) 4-Bromofluorobenzene	*95.5*			*77.0-126*		*12/23/2019 18:48*	WG1401779
(S) 1,2-Dichloroethane-d4	*87.9*			*70.0-130*		*12/23/2019 18:48*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 19:07	WG1401779
Toluene	U		0.000412	0.00100	1	12/23/2019 19:07	WG1401779
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 19:07	WG1401779
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 19:07	WG1401779
(S) Toluene-d8	*106*			*80.0-120*		*12/23/2019 19:07*	WG1401779
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*12/23/2019 19:07*	WG1401779
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*		*12/23/2019 19:07*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	11.7		0.0331	0.100	100	12/23/2019 19:26	WG1401779
Toluene	U		0.0412	0.100	100	12/23/2019 19:26	WG1401779
Ethylbenzene	0.0715	J	0.0384	0.100	100	12/23/2019 19:26	WG1401779
Total Xylenes	U		0.106	0.300	100	12/23/2019 19:26	WG1401779
(S) Toluene-d8	*104*			*80.0-120*		*12/23/2019 19:26*	WG1401779
(S) 4-Bromofluorobenzene	*93.5*			*77.0-126*		*12/23/2019 19:26*	WG1401779
(S) 1,2-Dichloroethane-d4	*84.0*			*70.0-130*		*12/23/2019 19:26*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000434	J	0.000331	0.00100	1	12/23/2019 19:45	WG1401779
Toluene	U		0.000412	0.00100	1	12/23/2019 19:45	WG1401779
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 19:45	WG1401779
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 19:45	WG1401779
(S) Toluene-d8	*105*			*80.0-120*		*12/23/2019 19:45*	WG1401779
(S) 4-Bromofluorobenzene	*78.7*			*77.0-126*		*12/23/2019 19:45*	WG1401779
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*12/23/2019 19:45*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.000507	J	0.000331	0.00100	1	12/23/2019 20:04	WG1401779
Toluene	U		0.000412	0.00100	1	12/23/2019 20:04	WG1401779
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 20:04	WG1401779
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 20:04	WG1401779
(S) Toluene-d8	*104*			*80.0-120*		*12/23/2019 20:04*	WG1401779
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*12/23/2019 20:04*	WG1401779
(S) 1,2-Dichloroethane-d4	*85.7*			*70.0-130*		*12/23/2019 20:04*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.00127		0.000331	0.00100	1	12/23/2019 18:51	WG1401540
Toluene	U		0.000412	0.00100	1	12/23/2019 18:51	WG1401540
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 18:51	WG1401540
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 18:51	WG1401540
(S) Toluene-d8	*99.8*			*80.0-120*		*12/23/2019 18:51*	WG1401540
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*12/23/2019 18:51*	WG1401540
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*12/23/2019 18:51*	WG1401540

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 19:13	WG1401540
Toluene	U		0.000412	0.00100	1	12/23/2019 19:13	WG1401540
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 19:13	WG1401540
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 19:13	WG1401540
(S) Toluene-d8	*100*			*80.0-120*		*12/23/2019 19:13*	WG1401540
(S) 4-Bromofluorobenzene	*90.9*			*77.0-126*		*12/23/2019 19:13*	WG1401540
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*12/23/2019 19:13*	WG1401540

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 19:35	WG1401540
Toluene	U		0.000412	0.00100	1	12/23/2019 19:35	WG1401540
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 19:35	WG1401540
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 19:35	WG1401540
(S) Toluene-d8	*97.2*			*80.0-120*		*12/23/2019 19:35*	WG1401540
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*12/23/2019 19:35*	WG1401540
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*12/23/2019 19:35*	WG1401540

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 21:11	WG1401607
Toluene	U		0.000412	0.00100	1	12/23/2019 21:11	WG1401607
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 21:11	WG1401607
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 21:11	WG1401607
(S) Toluene-d8	*92.1*			*80.0-120*		*12/23/2019 21:11*	WG1401607
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*12/23/2019 21:11*	WG1401607
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*12/23/2019 21:11*	WG1401607

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 19:57	WG1401540
Toluene	U		0.000412	0.00100	1	12/23/2019 19:57	WG1401540
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 19:57	WG1401540
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 19:57	WG1401540
(S) Toluene-d8	*97.7*			*80.0-120*		*12/23/2019 19:57*	WG1401540
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*		*12/23/2019 19:57*	WG1401540
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*12/23/2019 19:57*	WG1401540

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	11.1		0.0662	0.200	200	12/23/2019 20:23	WG1401779
Toluene	U		0.0824	0.200	200	12/23/2019 20:23	WG1401779
Ethylbenzene	1.24		0.0768	0.200	200	12/23/2019 20:23	WG1401779
Total Xylenes	U		0.212	0.600	200	12/23/2019 20:23	WG1401779
(S) Toluene-d8	*108*			*80.0-120*		*12/23/2019 20:23*	WG1401779
(S) 4-Bromofluorobenzene	*74.3*	J2		*77.0-126*		*12/23/2019 20:23*	WG1401779
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*12/23/2019 20:23*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 21:32	WG1401607
Toluene	U		0.000412	0.00100	1	12/23/2019 21:32	WG1401607
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 21:32	WG1401607
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 21:32	WG1401607
(S) Toluene-d8	*95.0*			*80.0-120*		*12/23/2019 21:32*	WG1401607
(S) 4-Bromofluorobenzene	*115*			*77.0-126*		*12/23/2019 21:32*	WG1401607
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*12/23/2019 21:32*	WG1401607

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	11.4		0.0662	0.200	200	12/23/2019 20:42	WG1401779
Toluene	U		0.0824	0.200	200	12/23/2019 20:42	WG1401779
Ethylbenzene	1.30		0.0768	0.200	200	12/23/2019 20:42	WG1401779
Total Xylenes	0.220	J	0.212	0.600	200	12/23/2019 20:42	WG1401779
(S) Toluene-d8	*106*			*80.0-120*		*12/23/2019 20:42*	WG1401779
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*12/23/2019 20:42*	WG1401779
(S) 1,2-Dichloroethane-d4	*86.0*			*70.0-130*		*12/23/2019 20:42*	WG1401779

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000331	0.00100	1	12/23/2019 17:12	WG1401779
Toluene	U		0.000412	0.00100	1	12/23/2019 17:12	WG1401779
Ethylbenzene	U		0.000384	0.00100	1	12/23/2019 17:12	WG1401779
Total Xylenes	U		0.00106	0.00300	1	12/23/2019 17:12	WG1401779
(S) Toluene-d8	*105*			*80.0-120*		*12/23/2019 17:12*	WG1401779
(S) 4-Bromofluorobenzene	*80.4*			*77.0-126*		*12/23/2019 17:12*	WG1401779
(S) 1,2-Dichloroethane-d4	*88.2*			*70.0-130*		*12/23/2019 17:12*	WG1401779

Method Blank (MB)

(MB) R3486104-3 12/23/19 10:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*94.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*87.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*

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

(LCS) R3486104-1 12/23/19 09:32 • (LCSD) R3486104-2 12/23/19 09:54

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	0.00523	0.00491	105	98.2	70.0-123			6.31	20
Ethylbenzene	0.00500	0.00450	0.00443	90.0	88.6	79.0-123			1.57	20
Toluene	0.00500	0.00470	0.00462	94.0	92.4	79.0-120			1.72	20
Xylenes, Total	0.0150	0.0136	0.0134	90.7	89.3	79.0-123			1.48	20
(S) Toluene-d8				*92.1*	*92.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.6*	*90.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*97.2*	*70.0-130*				

Method Blank (MB)

(MB) R3485605-2 12/23/19 11:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*93.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3485605-1 12/23/19 10:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00454	90.8	70.0-123	
Ethylbenzene	0.00500	0.00504	101	79.0-123	
Toluene	0.00500	0.00481	96.2	79.0-120	
Xylenes, Total	0.0150	0.0152	101	79.0-123	
(S) Toluene-d8			*96.0*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*128*	*70.0-130*	

Method Blank (MB)

(MB) R3486999-2 12/23/19 14:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*

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

(LCS) R3486999-1 12/23/19 14:04 • (LCSD) R3486999-3 12/23/19 15:58

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	0.00487	0.00496	97.4	99.2	70.0-123			1.83	20
Ethylbenzene	0.00500	0.00477	0.00464	95.4	92.8	79.0-123			2.76	20
Toluene	0.00500	0.00525	0.00504	105	101	79.0-120			4.08	20
Xylenes, Total	0.0150	0.0144	0.0146	96.0	97.3	79.0-123			1.38	20
(S) Toluene-d8				*111*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.8*	*90.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*84.4*	*90.8*	*70.0-130*				

Method Blank (MB)

(MB) R3487198-4 12/30/19 12:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000331	0.00100
Ethylbenzene	U		0.000384	0.00100
Toluene	U		0.000412	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*80.1*			*70.0-130*

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

(LCS) R3487198-1 12/30/19 10:49 • (LCSD) R3487198-2 12/30/19 11:11

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	0.00502	0.00502	100	100	70.0-123			0.000	20
Ethylbenzene	0.00500	0.00578	0.00567	116	113	79.0-123			1.92	20
Toluene	0.00500	0.00551	0.00546	110	109	79.0-120			0.912	20
Xylenes, Total	0.0150	0.0164	0.0163	109	109	79.0-123			0.612	20
(S) Toluene-d8				*105*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.8*	*93.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*85.0*	*84.3*	*70.0-130*				

L1173446-37 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1173446-37 12/30/19 21:51 • (MS) R3487198-5 12/30/19 22:55 • (MSD) R3487198-6 12/30/19 23:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	U	0.00673	0.00630	135	126	1	17.0-158			6.60	27
Ethylbenzene	0.00500	U	0.00769	0.00721	154	144	1	30.0-155			6.44	27
Toluene	0.00500	U	0.00745	0.00690	149	138	1	26.0-154			7.67	28
Xylenes, Total	0.0150	U	0.0217	0.0206	145	137	1	29.0-154			5.20	28
(S) Toluene-d8					*107*	*105*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.9*	*94.9*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*81.5*	*82.2*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

State Accreditations

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

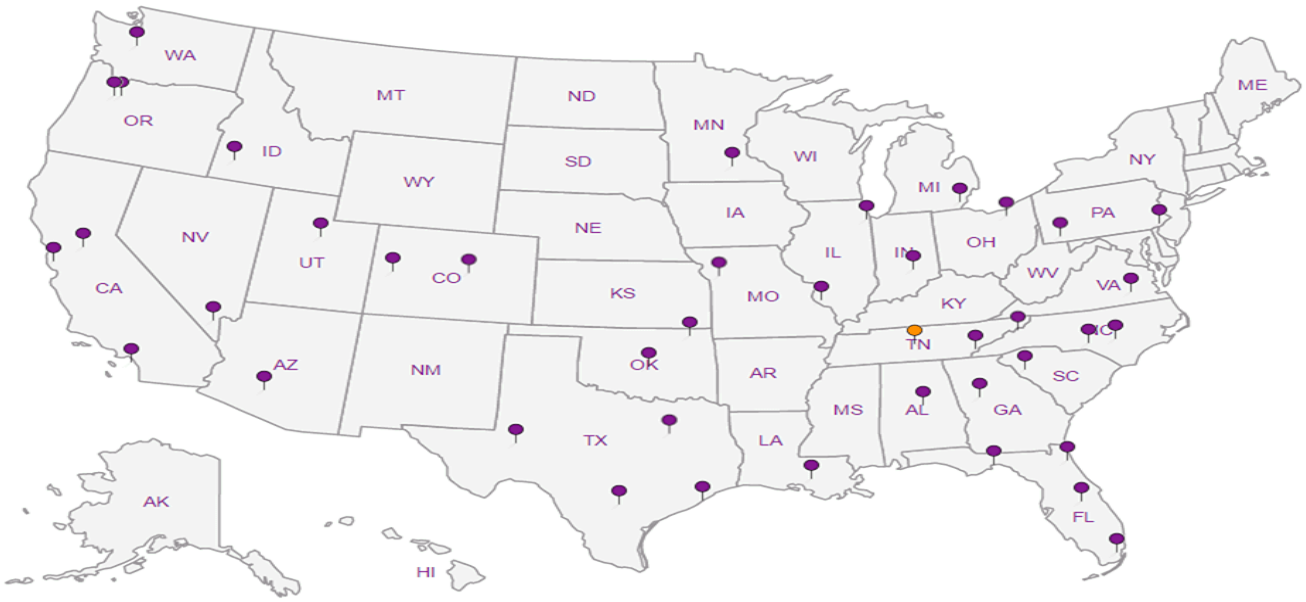
Third Party Federal Accreditations

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

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

Our Locations

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



DCP Midstream - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

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

Pres Chk

Report to: Brian Humphrey

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

Project Description: Former Lee Booster Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: 303-487-1228
Fax:

Client Project #

Lab Project # DCPTASMAN-LEEBOOST

Collected by (print): Nick Kopiasz

Site/Facility ID #

P.O. # 0000524229

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

V8260BTEX 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
~~MW-5~~		~~GW~~		—	—	~~2~~	~~X~~		
~~MW-6~~		~~GW~~		—	—	~~2~~	~~X~~		
MW-7		GW		12/20/19	1040	3	X		-01
~~MW-8~~		GW		—	—	3	X		
MW-9		GW		12/20/19	1148	3	X		-02
MW-10		GW		12/20/19	1244	3	X		-03
MW-11		GW		12/19/19	1304	3	X		-04
MW-12		GW		12/20/19	1037	3	X		-05
MW-13		GW		12/20/19	0914	3	X		-06
MW-14		GW		12/19/19	1209	3	X		-07

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 479488460364

Chain of Custody Page 1 of 2

Pace Analytical®
National Center for Testing & Innovation

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

SDG # L1173454
A179

Ta

Acctnum: DCPTASMAN
Template: T130844
Prelogin: P745076
PM: 824 - Chris Ward
PB:
Shipped Via:

Sample Receipt Checklist

COC Seal Present/Intact:	NP	✓Y N
COC Signed/Accurate:		✓Y N
Bottles arrive intact:		✓Y N
Correct bottles used:		✓Y N
Sufficient volume sent:		✓Y N
If Applicable		
VOA Zero Headspace:		✓Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		✓Y N

	Date:	Time:		
Relinquished by : (Signature)	12/20/19	1500	Received by: (Signature)	Trip Blank Received: (Yes) No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 45
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-21 Time: 10:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

DCP Midstream - Tasman

6899 Pecos St., Unit C
Denver, CO 80221

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

Pres Chk

Report to: **Brian Humphrey**

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

Project Description: **Former Lee Booster Station**

City/State Collected:

Please Circle: PT MT CT ET

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

Client Project #

Lab Project #: **DCPTASMAN-LEEBOOST**

Collected by (print): Nick Kopiasz

Site/Facility ID #

P.O. #: **0000524229**

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
~~MW-15~~		~~GW~~		—	—	~~3~~	~~X~~		
MW-16		GW		12/18/19	0955	3	X		-08
MW-17		GW		↓	1129	3	X		-09
MW-18		GW		12/18/19	1222	3	X		-10
MW-19		GW		12/19/19	1055	3	X		-11
MW-20		GW		12/18/19	1413	3	X		-12
MW-21		GW		12/20/19	1156	3	X		-13
MW-22		GW		12/19/19	1331	3	X		-14
Duplicate		GW		12/20/19	—	3	X		-15
Trip Blank		GW		12/20/19	1500	~~3~~ 1	X		-16

Chain of Custody Page 2 of 2

Pace Analytical®
National Center for Testing & Innovation

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

SDG #

Table #

Acctnum: **DCPTASMAN**

Template: **T130844**

Prelogin: **P745076**

PM: **824 - Chris Ward**

PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	12/20/19	1500			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				1.1-3.6°C Ice 45	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				12-21 1013	