Fourth Quarter 2020 Groundwater Monitoring and Activities Summary Report

Burton Flats Booster Station
Eddy County, New Mexico
#2R799

Prepared for:

370 17th St., Suite 2500
Denver, CO 802

Prepared by:

6855 W. 119th Ave.
Broomfield, Colorado 80020

February 11, 2021

Table of Contents

1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the fourth quarter 2020 at the Burton Flats Booster Station (Site) in Eddy County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). Field activities 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 laboratory analytical results collected on December 11, 2020.

2. Site Location and Background

The Site is located in the Fourth and Fifth Lots of Section 1, Township 21 South, Range 27 East (approximate coordinates 32.5195 degrees north and 104.1507 degrees west). It is approximately 3.4 miles northwest of the intersection of US Highway 62 and County Road 243. 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 release of approximately 10 barrels (bbl) of oil and produced water occurred on October 5, 2009, of which approximately 8 bbls were recovered from within the tank secondary containment area. The C-141 report was submitted on October 12, 2009, and Site investigation and soil sampling within the release area occurred during the third quarter of 2009 and early fourth quarter of 2010 (BH-1 through BH-5). Elevated levels of petroleum hydrocarbons within the soil were encountered at depths of 20-feet below ground surface (bgs). Groundwater was encountered between 16-feet and 20-feet bgs during Site characterization activities. Subsequent to soil investigation efforts, four groundwater monitoring wells were installed around and down-gradient from the release area during the fourth quarter of 2011 (MW-1 through MW-4). Elevated petroleum hydrocarbon concentrations in soil were observed during well installation. Consequently, two additional soil borings were completed to a depth of 20 feet bgs in the suspected source area (SB 11-1 and SB 11-2). Monitoring well locations are shown in Figure 2.

Boring logs for the Site monitoring wells indicate that the subsurface geology contains unconsolidated fine-grained sand, silt, and clay sediments. This general characteristic has been utilized in evaluating the historical and current LNAPL behavior. Ongoing monitoring and sampling of the four (4) Site monitoring wells listed above has been conducted on a quarterly basis following installation.

3. Groundwater Monitoring

This section describes the field and laboratory activities performed during the fourth quarter 2020 groundwater monitoring event. Quarterly monitoring activities were conducted on December 11, 2020, which included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network (MW-1 through MW-4) utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels are measured in order to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations of groundwater and LNAPL elevations at the Site. During the fourth quarter 2020, groundwater levels were measured at four (4) Site monitoring well locations (MW-1 through MW-4).

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 subsequently converted to elevation (feet above mean sea level [AMSL]). Measured groundwater levels, LNAPL measurements, and calculated groundwater elevations are presented in Table 1.

A fourth quarter 2020 groundwater elevation contour map, included as Figure 3, indicates that the groundwater gradient at the Site trends to the west-northwest which is consistent with the previous three quarterly monitoring events, and with historical trends prior to second quarter 2016 at the Site. Although this is inconsistent with the trends between second quarter 2016 to first quarter 2019. It is our opinion that an unchecked QA/QC error was made during the data entry in the second quarter 2016 and was not fixed during subsequent reports, leading to an irregular hydraulic gradient direction at the Site. The corrected groundwater elevation ranges, average elevation change from the previous monitoring event, and the calculated hydraulic gradient at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	Fourth Quarter 2020 (12/11/2020)
Maximum Elevation (Well ID)	3,177.39 ft (MW-3)
Minimum Elevation (Well ID)	3,177.10 ft (MW-1)
Average Change from Previous Monitoring Event	-0.02 ft
Hydraulic Gradient / (Well IDs)	0.0021 ft/ft (MW-3 to MW-1)

LNAPL was observed at MW-4 (0.25 ft) during the fourth quarter 2020, which is a decrease since the last measurable groundwater event in the fourth quarter 2019 (0.39 ft). Historically, the presence of LNAPL at this location has fluctuated since 2015.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each monitoring well, groundwater samples were collected from three (3) of the four (4) locations (MW-1 through MW-3). A minimum of three well casing volumes of groundwater were purged from each monitoring well prior to collection of groundwater samples. Due to the presence of LNAPL observed at MW-4, no groundwater sample was collected at this location.

Groundwater samples were collected using disposable polyethylene bailers, placed in clean laboratory supplied containers, packed in an ice-filled cooler and maintained at approximately four (4) degrees Celsius (°C) for transportation to the laboratory. Groundwater samples were then shipped under chain-of-custody procedures to Pace Analytical laboratory in Mount Juliet, Tennessee (Pace).

Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B and chloride by USEPA Method 9056A.

Table 2 summarizes BTEX and chloride concentrations in groundwater samples collected during the reporting period. Historical laboratory analytical results up to and including the December 2020 event are provided in Appendix A and the laboratory analytical report for the fourth quarter 2020 event is included in Appendix B. The laboratory analytical results are also displayed on Figure 4.

Fourth quarter 2020 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected in exceedance of the updated NMWQCC groundwater standard of 0.005 mg/L (effective 7/1/2020) in MW-1 (0.0439 mg/L, and 0.0445 mg/L [Duplicate]). Benzene was not detected above the NMWQCC groundwater standard or reported detection limit at MW-2 (<0.00100 mg/L) and MW-3 (<0.00100 mg/L).
- Toluene was not detected above the NMWQCC groundwater standard of 1.00 mg/L in any of the sampled Site monitoring wells.
- Ethylbenzene was not detected above the NMWQCC groundwater standard of 0.70 mg/L in any of the sampled Site monitoring wells.
- Total xylenes were not detected above the NMWQCC groundwater standard of 0.62 mg/L in any of the analyzed Site monitoring wells.
- Chloride was detected in exceedance of the NMWQCC secondary maximum contaminant level (SMCL) guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 420 mg/L at MW-3 to 2,160 mg/L at MW-2.

3.3 Data Quality Assurance / Quality Control

A trip blank and field duplicate sample (MW-1) was collected during the sampling event. The data were 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 indicating that samples were received with no headspace. All data were reported using the correct method number and reporting units. QA/QC items of note for the fourth quarter 2020 include the following:

- The trip blank was fully in control, having no detection of target analytes.

- The parent sample collected from MW-1 and the associated duplicate sample exhibited Benzene concentrations of 0.0439 mg/L and 0.0445 mg/L, respectively, yielding a relative percent difference (RPD) of 1.4 percent (%) which is within the target range of 20%.
- Subsequent to collection of the fourth quarter 2020 groundwater samples, the sample transport coolers were properly packaged with ice and shipped to Pace laboratory in Mount Juliet, Tennessee with priority overnight shipping. All coolers were received within laboratory temperature specifications as well as Chain of Custody (COC) forms properly executed.

Based on the data review, the QA/QC assessment indicates that overall data precision and accuracy are within acceptable limits.

4. Remediation Activities

Remediation activities conducted during the fourth quarter 2020 reporting period include vacuum enhanced fluid recovery (EFR) activities. EFR events were initiated in December 2014 and began on a routine frequency at monitoring wells MW-1 and MW-4. EFR events are scheduled to continue, pending observation of the effectiveness of the effort in addressing persistent free phase and dissolved phase petroleum hydrocarbons on-Site.

One fourth quarter 2020 EFR event was conducted at the site on December 11, 2020, which included application of high vacuum (utilizing a vacuum truck) at MW-1 and MW-4 through flexible hosing inserted into each well. The stingers were placed slightly below the current groundwater level to facilitate removal of groundwater, LNAPL, and vapors from the subsurface. Approximately 15 bbls (630 gallons) of fluid was recovered during the fourth quarter 2020 EFR event.

A passive LNAPL skimmer was installed in MW-4 in an effort to collect and dispose of free-phase liquids in between groundwater sampling and EFR events. Between the third and fourth quarter 2020 sampling and EFR events, the skimmer collected approximately 0.20 gallons of product. The passive LNAPL skimmer was reinstalled after the fourth quarter 2020 EFR event.

5. Conclusions

Evaluation of the fourth quarter 2020 monitoring data and historical information provides the following general observations:

- Groundwater elevations at the Site indicated an overall decrease compared to the levels that were observed during the third quarter 2020.
- LNAPL was observed at monitoring well MW-4 during the fourth quarter 2020. The presence of LNAPL at this location has historically fluctuated since 2015.
- BTEX concentrations were detected in exceedance of NMWQCC maximum allowable concentration standards in MW-1 (0.0439 mg/L, and 0.0445 mg/L [Duplicate]).
- Chloride concentrations were above the NMWQCC SMCL guideline at all sampled Site monitoring wells.

6. Recommendations

Based on evaluation of fourth quarter 2020 and historical Site monitoring results, recommendations for future activities include:

- Continue quarterly groundwater monitoring and sampling at the monitoring locations illustrated on Figure 2.
- Continue monitoring and evaluation of the passive LNAPL skimmer and recovery system.
- Continue quarterly EFR event(s) at monitoring wells MW-1 and MW-4 during the first quarter 2021.

Tables

TABLE 1
FOURTH QUARTER 2020
SUMMARY OF GROUNDWATER ELEVATION DATA
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (LNAPL) (feet)	Total Depth (feet)	TOC Elevation (feet amsl) (2)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event [1] (feet)
MW-1	12/9/2019	19.73			NM	3197.65	3177.92	0.23
MW-1	6/19/2020	20.18			NM	3197.65	3177.47	-0.45
MW-1	9/15/2020	20.51			NM	3197.65	3177.14	-0.33
MW-1	12/11/2020	20.55			NM	3197.65	3177.10	-0.04
MW-2	12/9/2019	22.09			NM	3200.00	3177.91	0.23
MW-2	6/19/2020	22.49			NM	3200.00	3177.51	-0.40
MW-2	9/15/2020	22.84			NM	3200.00	3177.16	-0.35
MW-2	12/11/2020	22.80			NM	3200.00	3177.20	0.04
MW-3	12/9/2019	22.70			NM	3200.84	3178.14	0.09
MW-3	6/19/2020	22.98			NM	3200.84	3177.86	-0.28
MW-3	9/15/2020	23.38			NM	3200.84	3177.46	-0.40
MW-3	12/11/2020	23.45			NM	3200.84	3177.39	-0.07
MW-4	12/9/2019	23.14	22.75	0.39	NM	3200.98	3178.15	0.39
MW-4	6/19/2020	NM	23.20	NC	NM	3200.98	NC	NC
MW-4	9/15/2020	NM	24.65	NC	NM	3200.98	NC	NC
MW-4	12/11/2020	24.85	24.60	0.25	NM	3200.98	3176.33	NC
						Average change in groundwater elevation (9/15/20 to 12/11/20)		-0.02

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.

2- The TOC elevation for MW-1 through MW-4 have been calculated based on a relative elevation re-survey conducted on 8/7/2019.

amsl = feet above mean sea level

TOC = top of casing

LNAPL - Light non-aqueous phase liquid

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 was calculated to be approximately 0.792 grams per cubic centimeter (g/cm^3)

NM = Not measured.

NC= Not calculated.

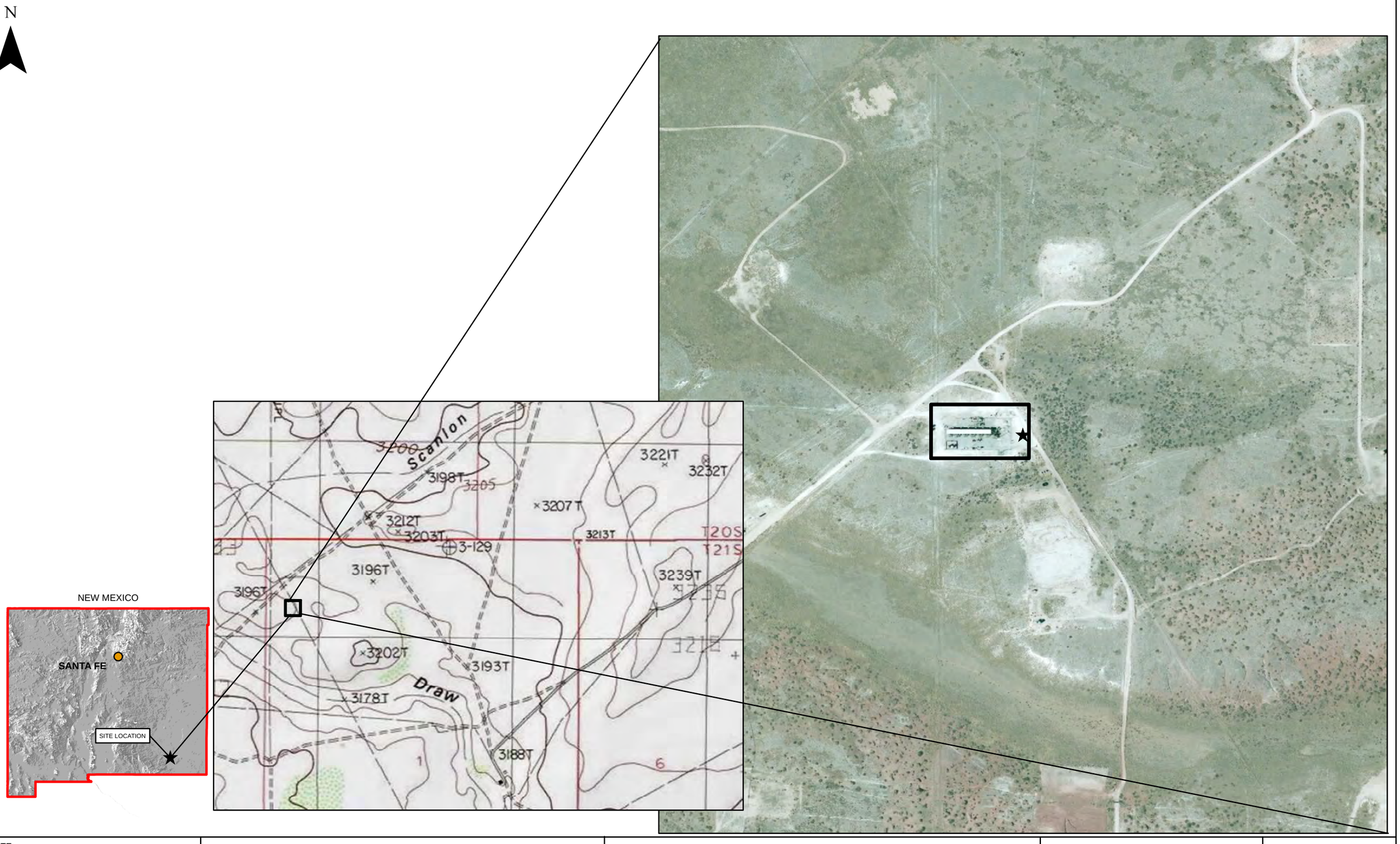
TABLE 2
FOURTH QUARTER 2020
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

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	12/11/2020	**0.0439**	<0.00100	0.0247	0.00770	**743**	Duplicate Sample Collected
MW-1 (Duplicate)	12/11/2020	**0.0445**	<0.00100	0.0248	0.00769	**734**	
MW-2	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**2,160**	
MW-3	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**420**	
MW-4	12/11/2020	LNAPL					LNAPL
Trip Blank	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	

Notes:
Bold red values indicate an exceedance of the associated NMWQCC standard (Effective 7/1/2020) or, for chlorides, the secondary maximum contaminant level (SM
which has been established as a guideline in the National Secondary Drinking Water Regulations.
NMWQCC = New Mexico Water Quality Control Commission
LNAPL = Light Non-Aqueous Phase Liquid
NA = Not Analyzed
J = The identification of the analyte is acceptable, the reported value is an estimate.
mg/L = milligrams per liter

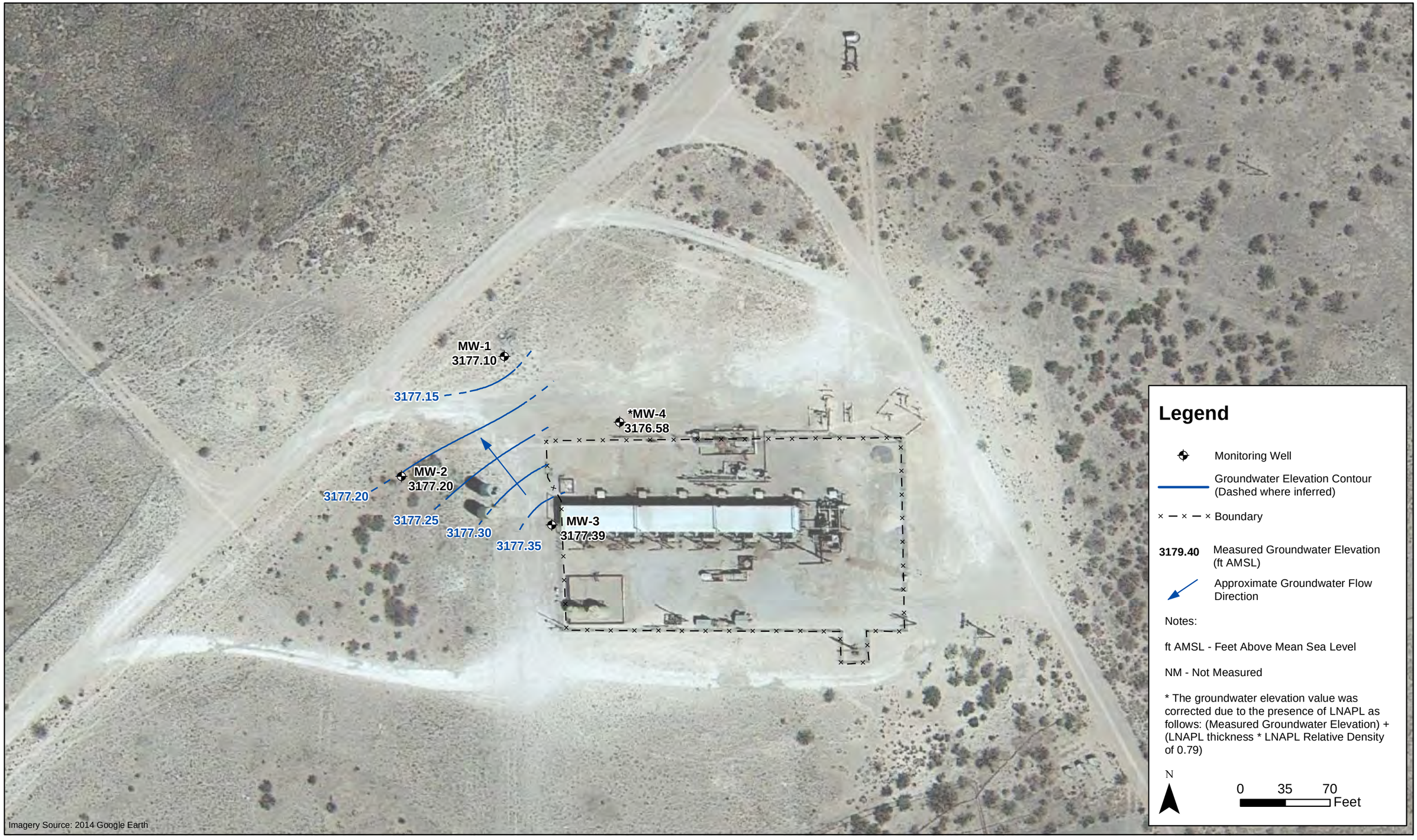
Figures

N

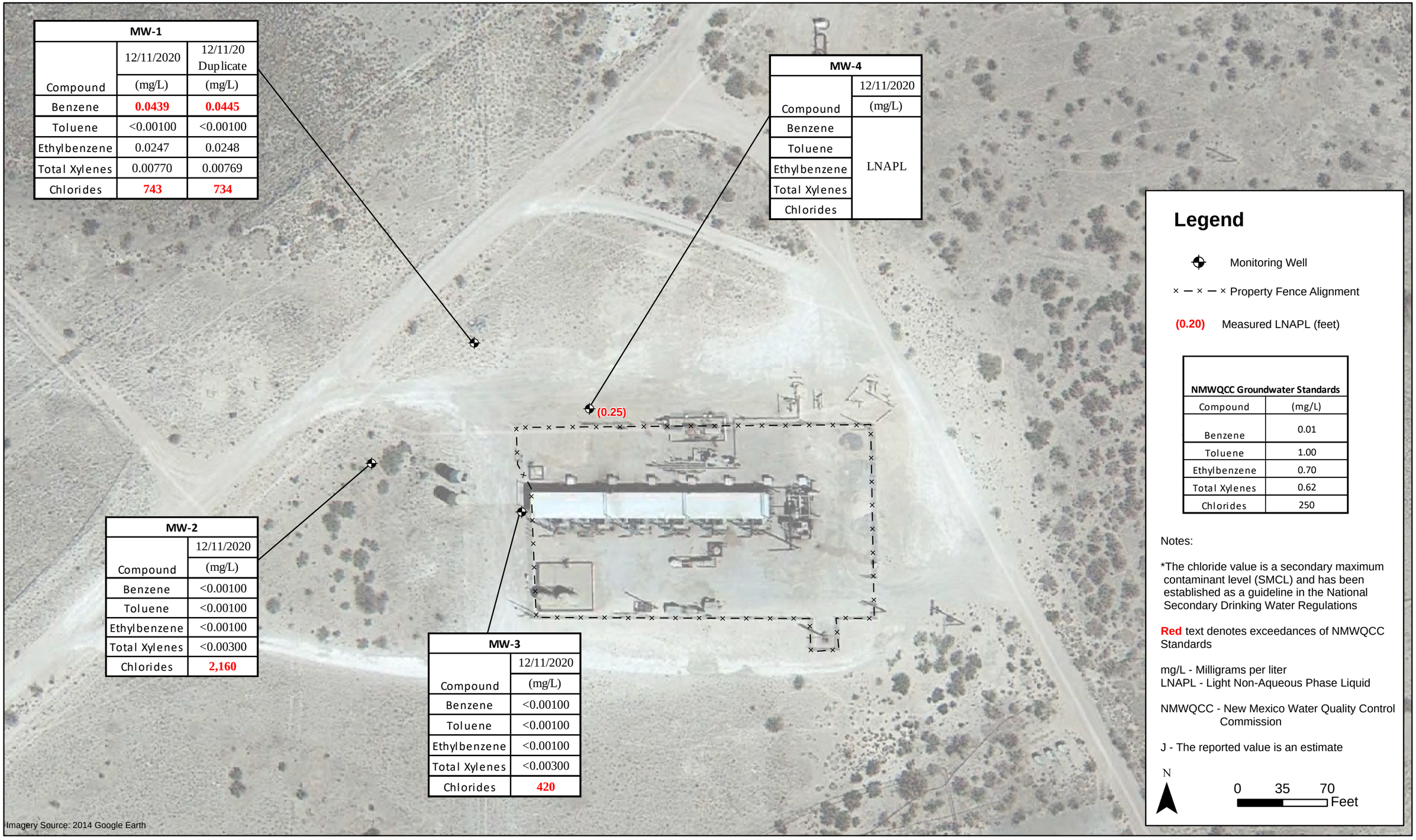


DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences, LLC** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **Burton Flats Booster Station** Lots 4 and 5, Section 1, Township 21 South, Range 27 East Eddy County, New Mexico	Site Location Map	Figure 1

DATE: December 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	TASMAN GEOSCIENCES **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** 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, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Burton Flats Booster Station** Fourth Quarter 2020 Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (December 11, 2020)	Figure 3



MW-1		
Compound	12/11/2020 (mg/L)	12/11/20 Duplicate (mg/L)
Benzene	**0.0439**	**0.0445**
Toluene	<0.00100	<0.00100
Ethylbenzene	0.0247	0.0248
Total Xylenes	0.00770	0.00769
Chlorides	**743**	**734**

MW-4	
Compound	12/11/2020 (mg/L)
Benzene	LNAPL
Toluene	
Ethylbenzene	
Total Xylenes	
Chlorides	

MW-2	
Compound	12/11/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**2,160**

MW-3	
Compound	12/11/2020 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**420**

Legend

Monitoring Well

× — × — × Property Fence Alignment

(0.20) Measured LNAPL (feet)

NMWQCC Groundwater Standards	
Compound	(mg/L)
Benzene	0.01
Toluene	1.00
Ethylbenzene	0.70
Total Xylenes	0.62
Chlorides	250

Notes:

*The chloride value is a secondary maximum contaminant level (SMCL) and has been established as a guideline in the National Secondary Drinking Water Regulations

Red text denotes exceedances of NMWQCC Standards

mg/L - Milligrams per liter
LNAPL - Light Non-Aqueous Phase Liquid

NMWQCC - New Mexico Water Quality Control Commission

J - The reported value is an estimate

N

0 35 70 Feet

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** **Burton Flats Booster Station** Fourth Quarter 2020 Groundwater Monitoring Summary Report	Analytical Results Map (December 11, 2020)	Figure 4

Appendix A

Historical Analytical Results

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY 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	12/14/2011	**0.140**	0.0034	0.200	0.111	**665**	Duplicate sample collected
MW-1	4/26/2012	**0.153**	<0.001	0.229	0.0073	**584**	
MW-1	6/20/2012	**0.0967**	<0.001	0.284	0.0474	**651**	Duplicate sample collected
MW-1	9/26/2012	**0.0615**	<0.001	0.0803	0.0015	**590**	
MW-1	12/5/2012	**0.020**	<0.001	0.17	0.037	**599**	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	**668**	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	**703**	Duplicate sample collected
MW-1	9/11/2013	LNAPL					
MW-1	12/3/2013	LNAPL					
MW-1	2/26/2014	LNAPL					
MW-1	6/2/2014	LNAPL					
MW-1	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-1	12/3/2014	LNAPL					
MW-1	2/27/2015	LNAPL					
MW-1	6/2/2015	LNAPL					
MW-1	8/31/2015	LNAPL					
MW-1	12/15/2015	LNAPL					
MW-1	3/21/2016	**0.0450**	<0.0010	0.080	0.010	**685**	
MW-1	6/20/2016	**0.082**	<0.0010	0.10	0.0072	**700**	
MW-1	9/26/2016	**0.035**	<0.0050	0.033	<0.015	**705**	
MW-1	12/19/2016	**0.051**	<0.0010	0.040	0.0035	**769**	
MW-1	3/6/2017	**0.044**	<0.0010	0.025	0.0012	**733**	Duplicate sample collected
MW-1 (Duplicate)	3/6/2017	**0.054**	<0.0010	0.035	0.0014	**740**	
MW-1	6/19/2017	**0.043**	<0.0010	0.020	<0.0010	**671**	
MW-1	9/27/2017	0.00867	<0.0010	0.00359	<0.0030	**649**	Duplicate Sample Collected
MW-1 (Duplicate)	9/27/2017	0.00958	<0.0010	0.00389	<0.0030	**608**	
MW-1	12/18/2017	**0.0204**	<0.0010	0.00522	<0.0030	**679**	Duplicate Sample Collected
MW-1 (Duplicate)	12/18/2017	**0.0179**	<0.0010	0.00502	<0.0030	**778**	
MW-1	3/12/2018	**0.0299**	<0.0010	0.0199	0.00114 J	**764**	Duplicate Sample Collected
MW-1 (Duplicate)	3/12/2018	**0.0399**	<0.0010	0.0230	<0.0030	**770**	
MW-1	6/25/2018	**0.0255**	<0.0010	0.0255	<0.0030	**623**	Duplicate Sample Collected
MW-1 (Duplicate)	6/25/2018	**0.0281**	<0.0010	0.0277	<0.0030	**632**	
MW-1	9/17/2018	**0.0115**	<0.0010	0.0063	<0.0030	**668**	Duplicate Sample Collected
MW-1 (Duplicate)	9/17/2018	**0.0105**	<0.0010	0.0060	<0.0030	**641**	
MW-1	12/10/2018	0.000641 J	<0.0010	0.00115	<0.0030	**1,180**	Duplicate Sample Collected
MW-1 (Duplicate)	12/10/2018	0.000712 J	<0.0010	0.00126	<0.0030	**1,230**	
MW-1	3/21/2019	0.0018	<0.0010	0.00159	<0.0030	**667**	Duplicate Sample Collected
MW-1 (Duplicate)	3/21/2019	0.0026	<0.0010	0.00144	<0.0030	**680**	
MW-1	6/13/2019	**0.0316**	<0.0010	0.0232	<0.0030	**774**	Duplicate Sample Collected
MW-1 (Duplicate)	6/13/2019	**0.0294**	<0.0010	0.0216	<0.0030	**768**	
MW-1	9/17/2019	0.00456	<0.0010	0.00219	<0.0030	**654**	Duplicate Sample Collected
MW-1 (Duplicate)	9/17/2019	0.0059	<0.0010	0.00272	<0.0030	**768**	
MW-1	12/9/2019	0.00713	<0.0010	0.00789	0.00161 J	**681**	Duplicate Sample Collected
MW-1 (Duplicate)	12/9/2019	0.00772	<0.0010	0.00827	0.00166 J	**684**	
MW-1	6/19/2020	**0.02780**	<0.0010	0.01900	0.00160 J	**908**	Duplicate Sample Collected
MW-1 (Duplicate)	6/19/2020	**0.02770**	<0.0010	0.01870	0.00139 J	**927**	
MW-1	9/15/2020	**0.03230**	<0.00100	0.01110	0.000948 J	**771**	Duplicate Sample Collected
MW-1 (Duplicate)	9/15/2020	**0.03370**	<0.00100	0.01260	0.00111 J	**751**	
MW-1	12/11/2020	**0.0439**	<0.00100	0.0247	0.00770	**743**	Duplicate Sample Collected
MW-1 (Duplicate)	12/11/2020	**0.0445**	<0.00100	0.0248	0.00769	**734**	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY 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-2	12/14/2011	<0.001	<0.001	<0.001	<0.003	**1,170**	
MW-2	4/26/2012	<0.001	<0.001	<0.001	<0.003	**1,040**	
MW-2	6/20/2012	<0.001	<0.001	<0.001	<0.003	**1,150**	
MW-2	9/26/2012	<0.001	<0.001	<0.001	<0.003	**1,130**	
MW-2	12/5/2012	<0.001	<0.001	<0.001	<0.003	**1,120**	Duplicate sample collected
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	**1,250**	
MW-2	6/3/2013	<0.001	<0.001	<0.001	<0.001	**1,150**	
MW-2	9/11/2013	<0.001	<0.001	<0.001	<0.001	**1,410**	Duplicate sample collected
MW-2	12/3/2013	<0.001	<0.001	<0.001	<0.001	**1,120**	Duplicate sample collected
MW-2	2/26/2014	<0.001	<0.001	<0.001	<0.001	**1,220**	Duplicate sample collected
MW-2 (Duplicate)	2/26/2014	<0.001	<0.001	<0.001	<0.001	**1,270**	
MW-2	6/2/2014	<0.001	<0.001	<0.001	<0.001	**1,270**	Duplicate sample collected
MW-2 (Duplicate)	6/2/2014	<0.001	<0.001	<0.001	<0.001	**1,290**	
MW-2	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-2	12/3/2014	<0.001	<0.001	<0.001	<0.001	**1,300**	Duplicate sample collected
MW-2 (Duplicate)	12/3/2014	<0.001	<0.001	<0.001	<0.001	**1,410**	
MW-2	2/27/2015	<0.001	<0.001	<0.001	<0.003	**1,440**	Duplicate sample collected
MW-2 (Duplicate)	2/27/2015	<0.001	<0.001	<0.001	<0.003	**1,440**	
MW-2	6/2/2015	<0.001	<0.001	<0.001	<0.003	**1,650**	Duplicate sample collected
MW-2 (Duplicate)	6/2/2015	<0.001	<0.001	<0.001	<0.003	**1,810**	
MW-2	8/31/2015	<0.001	<0.001	<0.001	<0.003	**1,420**	Duplicate sample collected
MW-2 (Duplicate)	8/31/2015	<0.001	<0.001	<0.001	<0.003	**1,440**	
MW-2	12/15/2015	<0.001	<0.001	<0.001	<0.003	**1,350**	Duplicate sample collected
MW-2 (Duplicate)	12/15/2015	<0.001	<0.001	<0.001	<0.003	**1,350**	
MW-2	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,300**	
MW-2	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,280**	
MW-2	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,310**	
MW-2	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,560**	Duplicate sample collected
MW-2 (Duplicate)	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,350**	
MW-2	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	**1,210**	
MW-2	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**1,480**	
MW-2	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	**1,530**	
MW-2	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	**1,300**	
MW-2	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	**1,290**	
MW-2	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**1,490**	
MW-2	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	**2,130**	
MW-2	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	**3,780**	
MW-2	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,380**	
MW-2	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,860**	
MW-2	9/17/2019	<0.0010	<0.0010	<0.0010	<0.0030	**2,380**	
MW-2	12/9/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,870**	
MW-2	6/19/2020	<0.0010	<0.0010	<0.0010	<0.0030	**2,220**	
MW-2	9/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	**2,650**	
MW-2	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**2,160**	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY 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-3	12/14/2011	<0.001	<0.001	<0.001	<0.003	**426**	
MW-3	4/26/2012	<0.001	<0.001	<0.001	<0.003	**406**	Duplicate sample collected
MW-3	6/20/2012	<0.001	<0.001	<0.001	<0.003	**435**	
MW-3	9/26/2012	<0.001	<0.001	0.00057	<0.003	**447**	Duplicate sample collected
MW-3	12/5/2012	<0.001	<0.001	<0.001	<0.003	**444**	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	**503**	
MW-3	6/12/2013	<0.001	<0.001	<0.001	<0.001	**474**	
MW-3	9/11/2013	<0.001	<0.001	<0.001	<0.001	**589**	
MW-3	12/3/2013	<0.001	<0.001	<0.001	<0.001	**432**	
MW-3	2/26/2014	<0.001	<0.001	<0.001	<0.001	**484**	
MW-3	6/2/2014	<0.001	<0.001	<0.001	<0.001	**519**	
MW-3	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-3	12/3/2014	<0.001	<0.001	<0.001	<0.001	**294**	
MW-3	2/27/2015	<0.001	<0.001	<0.001	<0.003	**301**	
MW-3	6/2/2015	<0.001	<0.001	<0.001	<0.003	**384**	
MW-3	8/31/2015	<0.001	<0.001	<0.001	<0.003	**386**	
MW-3	12/15/2015	<0.001	<0.001	<0.001	<0.003	**568**	
MW-3	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**484**	Duplicate sample collected
MW-3(Duplicate)	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**526**	
MW-3	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**414**	Duplicate sample collected
MW-3 (Duplicate)	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**383**	
MW-3	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**320**	Duplicate sample collected
MW-3 (Duplicate)	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**324**	
MW-3	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**285**	
MW-3	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	**466**	
MW-3	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	247	
MW-3 (Duplicate)	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**251**	
MW-3	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	**269**	
MW-3	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	**310**	
MW-3	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	**253**	
MW-3	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**258**	
MW-3	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	**277**	
MW-3	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	**429**	
MW-3	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	**309**	
MW-3	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	**369**	
MW-3	9/17/2019	0.00426	<0.0010	<0.0010	<0.0030	**333**	
MW-3	12/9/2019	0.00216	<0.0010	<0.0010	<0.0030	**339**	
MW-3	6/19/2020	0.000240 J	<0.0010	<0.0010	<0.0030	**372**	
MW-3	9/15/2020	0.000102 J	<0.0010	<0.0010	<0.0030	**403**	
MW-3	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**420**	

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY 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-4	4/26/2012	LNAPL					
MW-4	6/20/2012	LNAPL					
MW-4	9/26/2012	LNAPL					
MW-4	12/5/2012	LNAPL					
MW-4	2/21/2013	LNAPL					
MW-4	6/3/2013	LNAPL					
MW-4	9/11/2013	LNAPL					
MW-4	12/3/2013	LNAPL					
MW-4	2/26/2014	LNAPL					
MW-4	6/2/2014	LNAPL					
MW-4	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-4	12/3/2014	LNAPL					
MW-4	2/27/2015	LNAPL					
MW-4	6/2/2015	LNAPL					
MW-4	8/31/2015	LNAPL					
MW-4	12/15/2015	LNAPL					
MW-4	3/21/2016	**0.58**	0.17	0.48	**0.90**	**10,700**	
MW-4	6/20/2016	**0.46**	0.16	0.64	**1.2**	**9,700**	
MW-4	9/26/2016	**0.51**	0.14	0.54	**1.0**	**7,780**	
MW-4	12/19/2016	**0.37**	0.12	0.56	**0.99**	**7,530**	
MW-4	3/6/2017	**0.37**	0.086	0.49	**0.8**	**6,370**	
MW-4	6/19/2017	**0.14**	0.035	0.46	0.50	**6,420**	LNAPL (0.30 feet)
MW-4	9/27/2017	**0.104**	0.0718	0.706	**1.12**	**7,520**	LNAPL (0.24 feet)
MW-4	12/18/2017	**0.433**	0.0979	0.570	**1.12**	**6,450**	LNAPL (0.10 feet)
MW-4	3/12/2018	**0.293**	0.0641	0.319	**0.627**	**6,160**	
MW-4	6/25/2018	LNAPL					LNAPL (0.18 feet)
MW-4	9/17/2018	LNAPL					LNAPL (0.5 feet)
MW-4	12/10/2018	LNAPL					LNAPL (0.59 feet)
MW-4	3/21/2019	LNAPL					LNAPL (0.65 feet)
MW-4	6/13/2019	LNAPL					LNAPL (0.55 feet)
MW-4	9/17/2019	LNAPL					LNAPL (0.23 feet)
MW-4	12/9/2019	LNAPL					LNAPL (0.39 feet)
MW-4	6/19/2020	LNAPL					LNAPL (0.45 feet)
MW-4	9/15/2020	LNAPL					LNAPL (0.20 feet)
MW-4	12/11/2020	LNAPL					LNAPL (0.25 feet)

APPENDIX A
HISTORICAL ANALYTICAL RESULTS
BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
Trip Blank	6/2/2014	<0.001	<0.001	<0.001	<0.001	NA	
Trip Blank	12/3/2014	<0.001	<0.001	<0.001	<0.001	NA	
Trip Blank	2/27/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	6/2/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	8/31/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	12/15/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/26/2016	<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	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/17/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/9/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/19/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/15/2020	0.000104 J	<0.0010	<0.0010	0.000235 J	NA	
Trip Blank	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	

Notes:
Bold red values indicate an exceedance of the associated NMWQCC standard or, for chlorides, the secondary maximum contaminant level (SMCL) which has been established as a guideline in the National Secondary Drinking Water Regulations.
NMWQCC = New Mexico Water Quality Control Commission
LNAPL = Light Non-Aqueous Phase Liquid
NA = Not Analyzed
J = The identification of the analyte is acceptable, the reported value is an estimate.
mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

- Pace Analytical Report #: L1296003

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

December 22, 2020

DCP Midstream - Tasman

Sample Delivery Group:	L1296003
Samples Received:	12/12/2020
Project Number:	
Description:	Burton Flats Booster Station

Report To: Brian Humphrey
2620 W. Marland Blvd
Hobbs, NM 88240

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

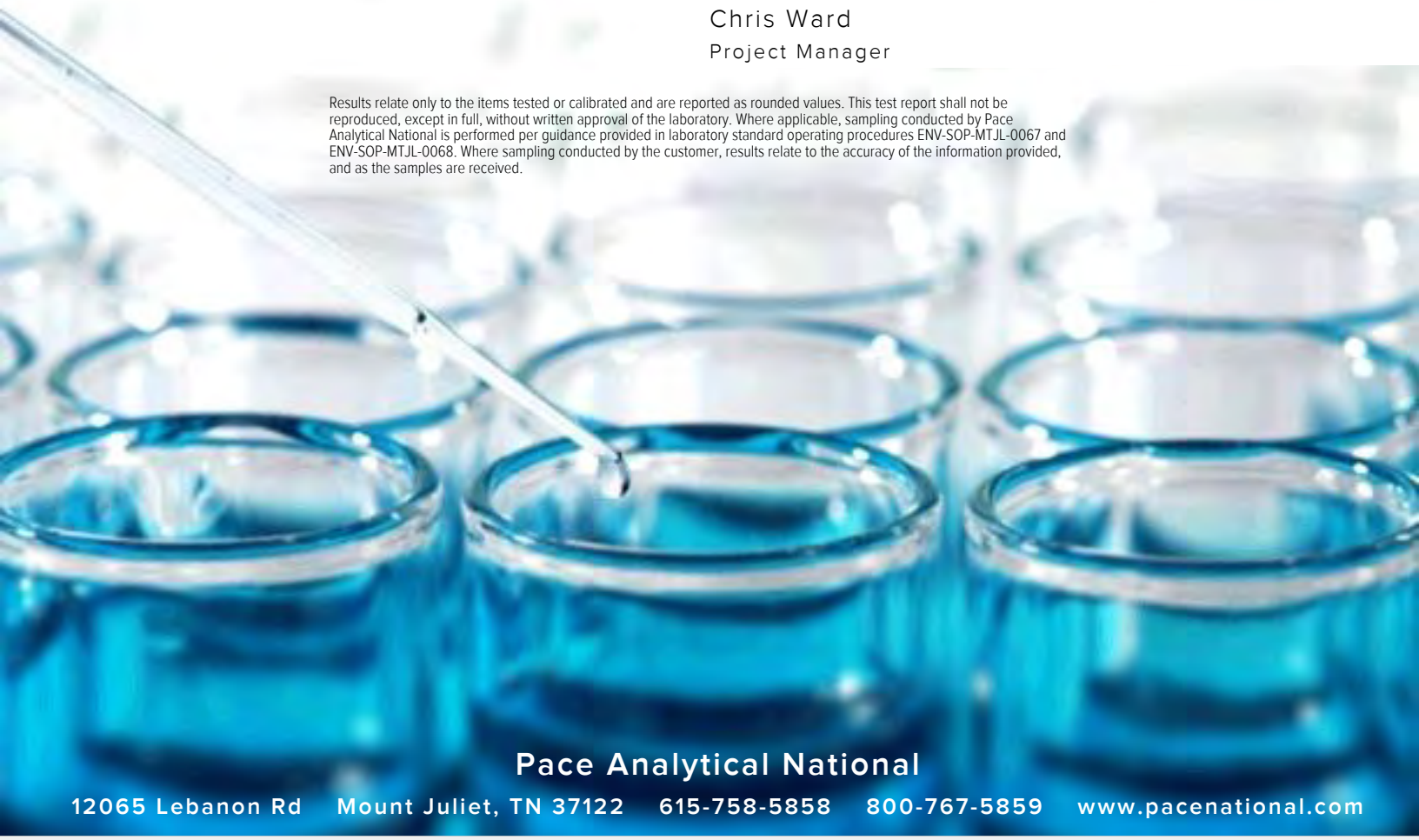


TABLE OF CONTENTS

MW-1 L1296003-01 GW

Collected by | Collected date/time 12/11/20 07:45 | Received date/time 12/12/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1594575	10	12/20/20 06:06	12/20/20 06:06	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1593058	1	12/17/20 02:02	12/17/20 02:02	DWR	Mt. Juliet, TN

MW-2 L1296003-02 GW

Collected by | Collected date/time 12/11/20 08:15 | Received date/time 12/12/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1594575	100	12/20/20 06:23	12/20/20 06:23	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1593058	1	12/17/20 02:21	12/17/20 02:21	DWR	Mt. Juliet, TN

MW-3 L1296003-03 GW

Collected by | Collected date/time 12/11/20 09:30 | Received date/time 12/12/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1594575	10	12/20/20 06:40	12/20/20 06:40	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1593058	1	12/17/20 02:40	12/17/20 02:40	DWR	Mt. Juliet, TN

DUPLICATE L1296003-04 GW

Collected by | Collected date/time 12/11/20 00:00 | Received date/time 12/12/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1594575	10	12/20/20 06:58	12/20/20 06:58	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1593058	1	12/17/20 02:59	12/17/20 02:59	DWR	Mt. Juliet, TN

TRIP BLANK L1296003-05 GW

Collected by | Collected date/time 12/11/20 00:00 | Received date/time 12/12/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1593058	1	12/17/20 00:53	12/17/20 00:53	DWR	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

MW-1
Collected date/time: 12/11/20 07:45

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	743		3.79	10.0	10	12/20/2020 06:06	WG1594575

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	12/17/2020 02:02	WG1593058
Toluene	U		0.000278	0.00100	1	12/17/2020 02:02	WG1593058
Ethylbenzene	0.0247		0.000137	0.00100	1	12/17/2020 02:02	WG1593058
Total Xylenes	0.00770		0.000174	0.00300	1	12/17/2020 02:02	WG1593058
(S) Toluene-d8	*98.3*			*80.0-120*		*12/17/2020 02:02*	WG1593058
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*12/17/2020 02:02*	WG1593058
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*12/17/2020 02:02*	WG1593058

MW-2
Collected date/time: 12/11/20 08:15

SAMPLE RESULTS - 02

L1296003

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2160		37.9	100	100	12/20/2020 06:23	WG1594575

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	12/17/2020 02:21	WG1593058
Toluene	U		0.000278	0.00100	1	12/17/2020 02:21	WG1593058
Ethylbenzene	U		0.000137	0.00100	1	12/17/2020 02:21	WG1593058
Total Xylenes	U		0.000174	0.00300	1	12/17/2020 02:21	WG1593058
(S) Toluene-d8	*101*			*80.0-120*		*12/17/2020 02:21*	WG1593058
(S) 4-Bromofluorobenzene	*93.0*			*77.0-126*		*12/17/2020 02:21*	WG1593058
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*12/17/2020 02:21*	WG1593058

SAMPLE RESULTS - 03

MW-3
Collected date/time: 12/11/20 09:30

L1296003

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	420		3.79	10.0	10	12/20/2020 06:40	WG1594575

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	12/17/2020 02:40	WG1593058
Toluene	U		0.000278	0.00100	1	12/17/2020 02:40	WG1593058
Ethylbenzene	U		0.000137	0.00100	1	12/17/2020 02:40	WG1593058
Total Xylenes	U		0.000174	0.00300	1	12/17/2020 02:40	WG1593058
(S) Toluene-d8	*98.0*			*80.0-120*		*12/17/2020 02:40*	WG1593058
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*12/17/2020 02:40*	WG1593058
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*12/17/2020 02:40*	WG1593058

DUPLICATE
Collected date/time: 12/11/20 00:00

SAMPLE RESULTS - 04

L1296003

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	734		3.79	10.0	10	12/20/2020 06:58	WG1594575

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	0.0445		0.0000941	0.00100	1	12/17/2020 02:59	WG1593058
Toluene	U		0.000278	0.00100	1	12/17/2020 02:59	WG1593058
Ethylbenzene	0.0248		0.000137	0.00100	1	12/17/2020 02:59	WG1593058
Total Xylenes	0.00769		0.000174	0.00300	1	12/17/2020 02:59	WG1593058
(S) Toluene-d8	*96.1*			*80.0-120*		*12/17/2020 02:59*	WG1593058
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*12/17/2020 02:59*	WG1593058
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*12/17/2020 02:59*	WG1593058

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

SAMPLE RESULTS - 05

TRIP BLANK
Collected date/time: 12/11/20 00:00

L1296003

ONE LAB. NATIONWIDE.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	12/17/2020 00:53	WG1593058
Toluene	U		0.000278	0.00100	1	12/17/2020 00:53	WG1593058
Ethylbenzene	U		0.000137	0.00100	1	12/17/2020 00:53	WG1593058
Total Xylenes	U		0.000174	0.00300	1	12/17/2020 00:53	WG1593058
(S) Toluene-d8	*102*			*80.0-120*		*12/17/2020 00:53*	WG1593058
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*12/17/2020 00:53*	WG1593058
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*12/17/2020 00:53*	WG1593058

Method Blank (MB)

(MB) R3605596-1 12/19/20 22:47

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

L1291962-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1291962-25 12/19/20 23:21 • (DUP) R3605596-3 12/19/20 23:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5.32	5.31	1	0.260		15

L1296003-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1296003-04 12/20/20 06:58 • (DUP) R3605596-7 12/20/20 07:15

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	734	738	10	0.456		15

Laboratory Control Sample (LCS)

(LCS) R3605596-2 12/19/20 23:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.6	99.0	80.0-120	

L1295789-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1295789-03 12/20/20 00:52 • (MS) R3605596-4 12/20/20 01:10 • (MSD) R3605596-5 12/20/20 01:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	5.12	55.2	55.7	100	101	1	80.0-120			0.848	15

L1295863-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1295863-06 12/20/20 04:21 • (MS) R3605596-6 12/20/20 04:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	40.6	89.7	98.2	1	80.0-120	

Method Blank (MB)

(MB) R3605668-3 12/17/20 00:34

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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R3605668-1 12/16/20 23:37 • (LCSD) R3605668-2 12/16/20 23:56

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	0.00526	0.00514	105	103	70.0-123			2.31	20
Ethylbenzene	0.00500	0.00491	0.00470	98.2	94.0	79.0-123			4.37	20
Toluene	0.00500	0.00501	0.00477	100	95.4	79.0-120			4.91	20
Xylenes, Total	0.0150	0.0140	0.0135	93.3	90.0	79.0-123			3.64	20
(S) Toluene-d8				*99.9*	*99.7*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.4*	*97.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*105*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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	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	LAO00356
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

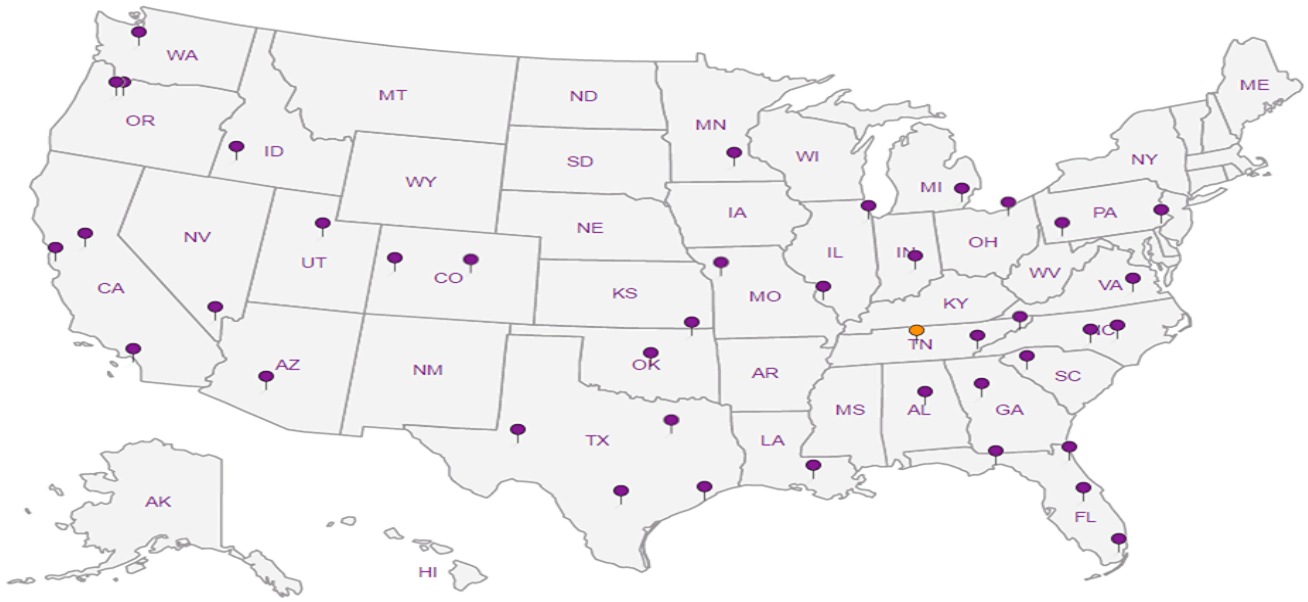
Third Party Federal Accreditations

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

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

Our Locations

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



DCP Midstream - Tasman

2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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

Report to: Brian Humphrey

Email To: knorman@tasman-geo.com;bhumphrey@tasman-

Project Description: Burton Flats Booster Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: 720-218-4003
303-487-1228

Client Project #

Lab Project # DCPTASMAN-BURTONFLAT

SDG # L1296003

C122

Collected by (print):

Site/Facility ID #

P.O. # 0000524217

Acctnum: DCPTASMAN

Template: T127771

Prelogin: P814717

PM: 824 - Chris Ward

PB:

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

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 125mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1		GW		12-11-20	0745	4	X	X		-01
MW-2		GW		12-11-20	0815	4	X	X		-02
MW-3		GW		12-11-20	0930	4	X	X		-03
MW-4		GW								
DUPLICATE		GW		12-11-20		4	X	X		-04
		GW								
		GW								
TRIP BLANK		GW		12-11-20	1330	1				-05

* 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 # 1Z5 2235 5105

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4-.2=1.2 °C Bottles Received: 16
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/12/20 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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 21944

CONDITIONS

Operator:	OGRID:
DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	36785
	Action Number: 21944
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 152659 for most updated status.	10/25/2022