2023 Annual Groundwater Monitoring and Activities Summary Report

Burton Flats Booster Station
Eddy County, New Mexico
#2R799
Incident # nMLB1004239132

Prepared for:

REVIEWED
By Mike Buchanan at 8:53 am, Jun 20, 2024

Review of the 2023 Annual Groundwater Monitoring and Activities Summary Report for Burton Flats Booster Station: Content Satisfactory
1. Continue groundwater monitoring on a quarterly basis for all constituents
2. Continue to monitor and evaluate the LNAPL passive skimmer.
3. Continue EFR events
4. Submit the 2024 Annual Report by April 1, 2025.

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Prepared by:

6855 W. 119th Ave.
Broomfield, Colorado 80020

March 4, 2024

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1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during 2023 at the Burton Flats Booster Station (Site) in Eddy County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Operating Company (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 March 16, June 28, September 28, and December 12, 2023.

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 fourth 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 throughout the 2023 calendar year. Quarterly monitoring activities were conducted on March 16, June 28, September 28, and December 12, 2023, 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. Throughout 2023, groundwater levels were measured at four 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 were 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 2023 groundwater elevation contour maps, included as Figures 3 through 6, indicates that the groundwater gradient at the Site trends to the northeast which is consistent with the previous trends shifting from northwest to northeast. 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

Quarter	1st	2nd	3rd	4th
Maximum Elevation (Well ID)	3,177.08 (MW-3)	3,176.87 (MW-3)	3,176.47 (MW-3)	3,176.70 (MW-3)
Minimum Elevation (Well ID)	3,174.58 (MW-4)	3,175.56 (MW-4)	3,172.83 (MW-4)	3,173.35 (MW-4)
Potentiometric Surface Average Change (ft)	-0.28	0.02	-0.98	0.08
Hydraulic Gradient (ft/ft)	0.022	0.011	0.032	0.029

* Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well * LNAPL Relative Density)

Measurable LNAPL was observed at monitor well MW-4 during all four quarters of the 2023 calendar year which is consistent with historical data since 2015. LNAPL thickness at monitor well MW-4 ranged from 1.56 feet during the September monitoring event to 0.34 feet during the March monitoring event.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each of the quarterly monitoring events during 2023, groundwater samples were collected from three of the four 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 degrees Celsius (°C) for transportation to the laboratory. Groundwater samples were then shipped under chain-of-custody procedures to Pace Analytical laboratory (Pace) in Mount Juliet, Tennessee.

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

Table 2 summarizes BTEX and chloride concentrations in groundwater samples collected during the 2023 reporting period. Historical laboratory analytical results up to and including the December 2023 event are provided in Appendix A, and the laboratory analytical report for the previous four quarters are included in Appendix B. The laboratory analytical results are displayed on Figure 4 and NMOCD sampling notifications are included as Appendix C.

3.2.1 1st Quarter Data Evaluation

The 1st Quarter 2023 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected at concentrations greater than the laboratory reported detection limit (RDL) in monitor well MW-1 and its duplicate. The detected concentration of the parent sample was below the NMWQCC standard for benzene, and the duplicate sample was greater than the standard of 0.01 milligrams per liter (mg/L).
- Toluene was not detected above the laboratory method detection limit (MDL) in any of the sampled Site monitoring wells.
- Ethylbenzene was detected above the laboratory MDL in monitoring well MW-1 and its duplicate. The detected concentrations of ethylbenzene were below the NMWQCC groundwater standard of 0.70 mg/L.
- Total xylenes were detected above the laboratory MDL but below the laboratory reported detection limit (RDL) in both monitor well MW-1 and its duplicate. The detected concentrations of total xylenes were below the NMWQCC groundwater standard of 0.62mg/L.
- Chlorides were detected at concentrations greater than the NMWQCC secondary maximum contaminant level (MCL) guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 1,790 mg/L at monitor well MW-2 to 442 mg/L at monitor well MW-3.

3.2.2 2nd Quarter Data Evaluation

The 2nd Quarter 2023 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected in each of the monitor well locations, but below the NMWQCC standard for Benzene. Detected concentrations ranged from 0.00918 mg/L at monitor well MW-1 to 0.000132 J mg/L.
- Toluene was not detected above the MDL in any of the sampled Site monitoring wells.

- Ethylbenzene was detected above the laboratory MDL but below the laboratory RDL in monitoring well MW-1 and its duplicate. The detected concentrations of ethylbenzene were below the NMWQCC groundwater standard of 0.70 mg/L.
- Total Xylenes was not detected above the laboratory MDL in any of the sampled Site monitoring wells.
- Chlorides were detected at concentrations greater than the NMWQCC secondary MCL guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 469 mg/L at monitor well MW-3 to 1,840 mg/L at monitor well MW-2.

3.2.3 3rd Quarter Data Evaluation

The 3rd Quarter 2023 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected above the laboratory MDL at monitor well MW-1. The detected concentration was below the NMWQCC standard.
- Toluene was not detected above the laboratory MDL in any of the sampled Site monitoring wells.
- Ethylbenzene was detected above the laboratory MDL at monitor well MW-3. The detected concentration was below the NMWQCC standard.
- Total Xylenes was detected above the laboratory MDL at monitor well MW-3. The detected concentration was below the NMWQCC standard.
- Chlorides were detected at concentrations greater than the NMWQCC secondary MCL guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 414 mg/L at monitor well MW-3 to 2,320 mg/L at monitor well MW-2.

3.2.4 4th Quarter Data Evaluation

The 4th Quarter 2023 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected above the laboratory MDL at monitor well MW-1. The detected concentration was below the NMWQCC standard.
- Toluene was not detected above the laboratory MDL in any of the sampled Site monitoring wells.
- Ethylbenzene was detected above the laboratory MDL at monitor well MW-1. The detected concentration was below the NMWQCC standard.
- Total Xylenes was detected above the laboratory MDL at monitor well MW-3. The detected concentration was below the NMWQCC standard.
- Chlorides were detected at concentrations greater than the NMWQCC secondary MCL guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 474 mg/L at monitor well MW-3 to 2,220 mg/L at monitor well MW-2.

3.3 Data Quality Assurance / Quality Control

A 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 2023 include the following:

- Target analytes were not detected above laboratory detection limits in the trip blank.
- During each quarter of 2023, parent samples gathered from MW-1 and their associated duplicates exhibited concentrations of benzene except for the 3rd Quarter. In compliance with QA/QC, each quarter's Relative Percent Difference (RPD) is listed below:

Quarter	Parent Sample (mg/L)	Duplicate Sample (mg/L)	RPD
1st	0.00872	0.0125	35.6
2nd	0.00918	0.00134	149
3rd	0.000269 J	<0.00100	N/A
4th	0.00836	0.00519	46.7

- Subsequent to collection of groundwater samples during all four quarters of 2023, 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.

The RPD values are outside of the target 20% RPD for the 1st, 2nd, and 3rd quarters. However, 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 2023 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; However, beginning in 1st quarter 2023, EFR events have been discontinued at MW-1 to determine its effectiveness on dissolved phase hydrocarbon abatement. 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.

EFR events were conducted at the site on March 16, June 28, September 28, and December 13, 2023. Each event included application of high vacuum (utilizing a vacuum truck) at MW-4 through flexible hosing inserted into the well. The stingers were placed slightly below the current groundwater level to facilitate removal of groundwater, LNAPL, and vapors from the subsurface. A total of 676 barrels (bbls) have been recovered since EFR events commenced in 2014. The volumes recovered during 2023 events are below.

Date	Volume (bbls)
March 16	15
June 28	16
September 28	10
December 13	4

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. Throughout the 2023 calendar year the passive bailer recovered approximately 1.03 gallons of LNAPL. The passive bailer is emptied and replaced prior to each EFR event.

5. Conclusions

Evaluation of the 2023 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 4th Quarter 2022 with an average decrease of 0.27 ft per monitoring well across all four quarters of 2023.
- LNAPL was observed at monitoring well MW-4 during the 2023 monitoring period. The presence of LNAPL at this location has historically fluctuated since 2015.
- Chloride concentrations were above the NMWQCC secondary MCL guideline at all sampled Site monitoring wells.

6. Recommendations

Based on evaluation of 2023 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.
- Continue quarterly EFR events at MW-4 during the 2024 monitoring period.

Tables

TABLE 1
2023 ANNUAL
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	3/16/2023	20.64			32.95	3,197.65	3,177.01	0.02
MW-1	6/28/2023	20.99			33.14	3,197.65	3,176.66	-0.35
MW-1	9/28/2023	21.42			33.14	3,197.65	3,176.23	-0.43
MW-1	12/13/2023	22.21			34.15	3,197.65	3,175.44	-0.79
MW-2	3/16/2023	23.05			32.96	3,200.00	3,176.95	0.29
MW-2	6/28/2023	23.39			32.70	3,200.00	3,176.61	-0.34
MW-2	9/28/2023	23.74			32.70	3,200.00	3,176.26	-0.35
MW-2	12/13/2023	23.38			32.67	3,200.00	3,176.62	0.36
MW-3	3/16/2023	23.76			34.41	3,200.84	3,177.08	0.26
MW-3	6/28/2023	23.97			34.39	3,200.84	3,176.87	-0.21
MW-3	9/28/2023	24.37			34.39	3,200.84	3,176.47	-0.40
MW-3	12/13/2023	24.14			34.10	3,200.84	3,176.70	0.23
MW-4	3/16/2023	26.40	26.06	0.34	31.93	3,200.98	3,174.58	-1.67
MW-4	6/28/2023	25.42	24.40	1.02	33.04	3,200.98	3,175.56	0.98
MW-4	9/28/2023	28.15	26.59	1.56	33.04	3,200.98	3,172.83	-2.73
MW-4	12/13/2023	27.63	26.89	0.74	33.04	3,200.98	3,173.35	0.52
							Average change in groundwater elevation	-0.29

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
2023 ANNUAL
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)		**0.010**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	3/16/2023	0.00872	<0.00100	0.00278	0.00111 J	**733**	Duplicate Sample Collected
MW-1 (Duplicate)	3/16/2023	**0.0125**	<0.00100	0.00300	0.000790 J	**711**	
MW-1	6/28/2023	0.00918	<0.00100	0.000311 J	<0.00300	**716**	Duplicate Sample Collected
MW-1 (Duplicate)	6/28/2023	0.00134	<0.00100	0.000411 J	<0.00300	**762**	
MW-1	9/28/2023	0.000269 J	<0.00100	<0.00100	<0.00300	**648**	Duplicate Sample Collected
MW-1 (Duplicate)	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	**788**	
MW-1	12/13/2023	0.00836	<0.00100	0.000374 J	<0.00300	**732**	Duplicate Sample Collected
MW-1 (Duplicate)	12/13/2023	0.00519	<0.00100	0.000261 J	<0.00300	**727**	
MW-2	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	**1,790**	
MW-2	6/28/2023	0.000135 J	<0.00100	<0.00100	<0.00300	**1,840**	
MW-2	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	**2,320**	
MW-2	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	**2,220**	
MW-3	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	**442**	
MW-3	6/28/2023	0.000132 J	<0.00100	<0.00100	<0.00300	**469**	
MW-3	9/28/2023	<0.00100	<0.00100	0.000269 J	0.000948 J	**414**	
MW-3	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	**474**	
MW-4	3/16/2023	Not Sampled - Historical LNAPL					
MW-4	6/28/2023	Not Sampled - Historical LNAPL					
MW-4	9/28/2023	Not Sampled - Historical LNAPL					
MW-4	12/13/2023	Not Sampled - Historical LNAPL					
Trip Blank	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/13/2023	<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 (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

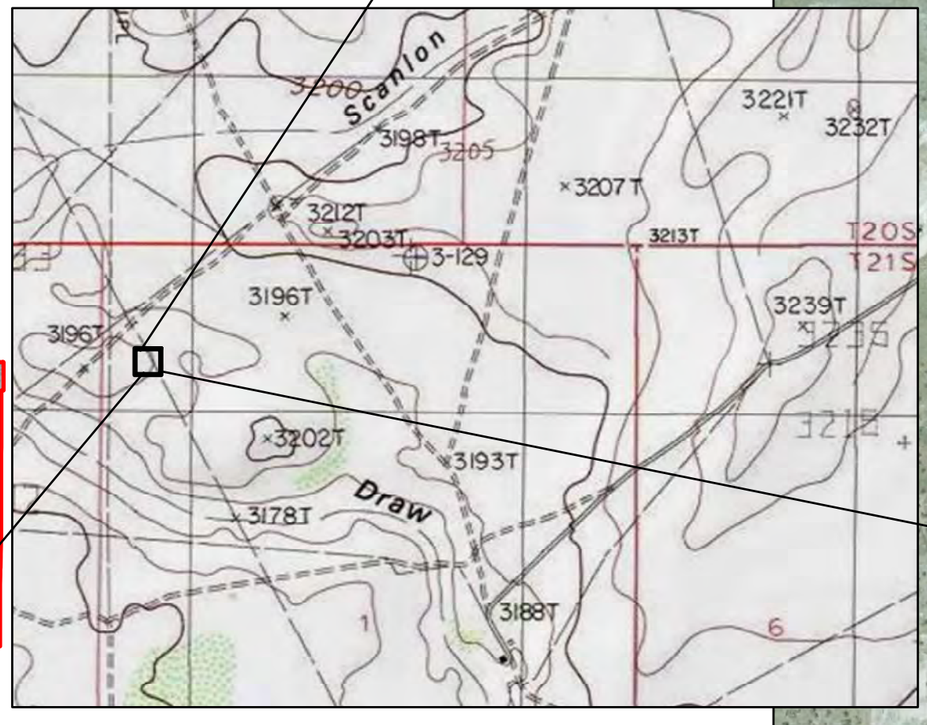
NA = Not Analyzed

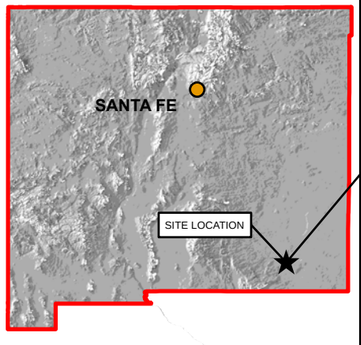
J = The identification of the analyte is acceptable, the reported value is an estimate.

mg/L = milligrams per liter

Figures

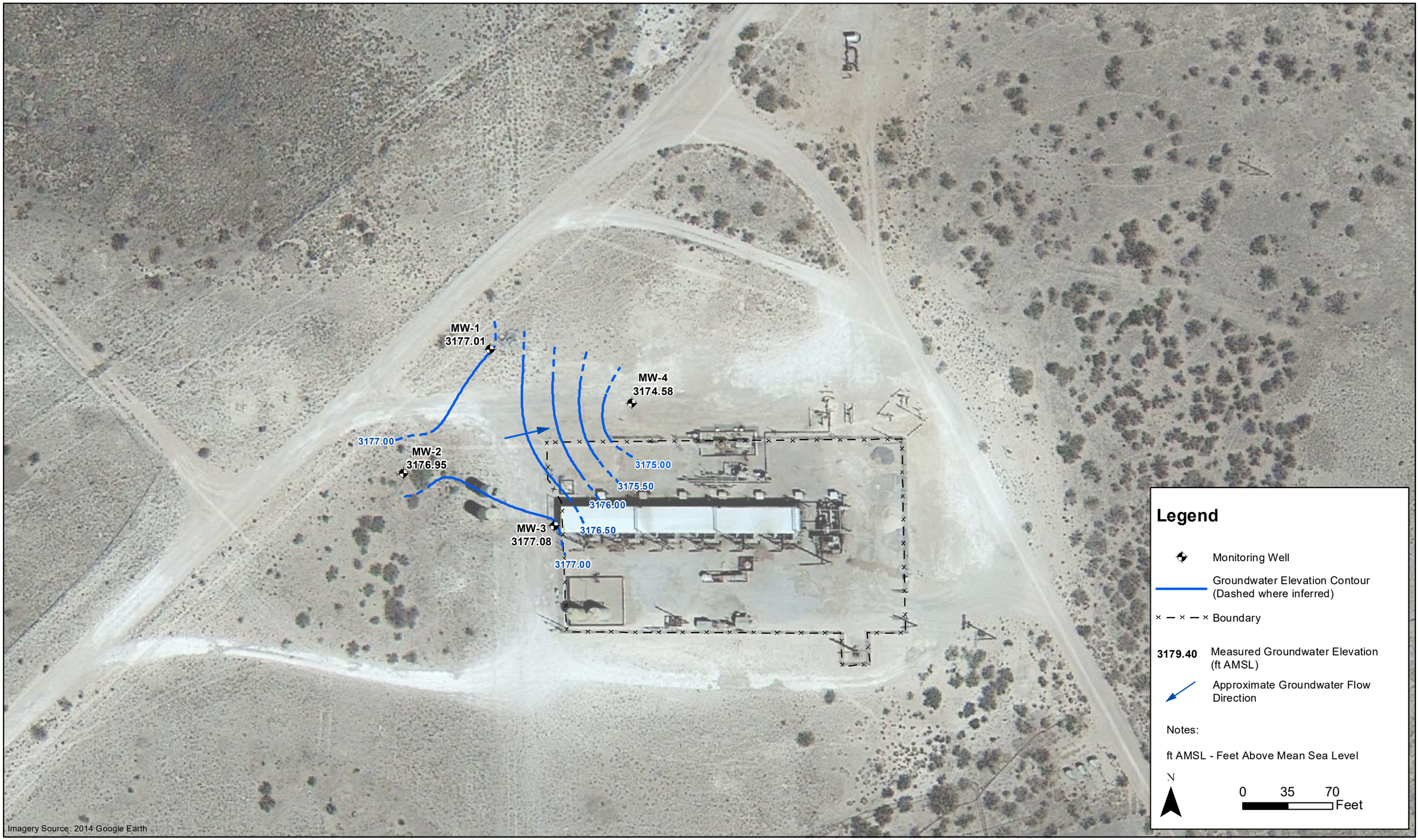
N



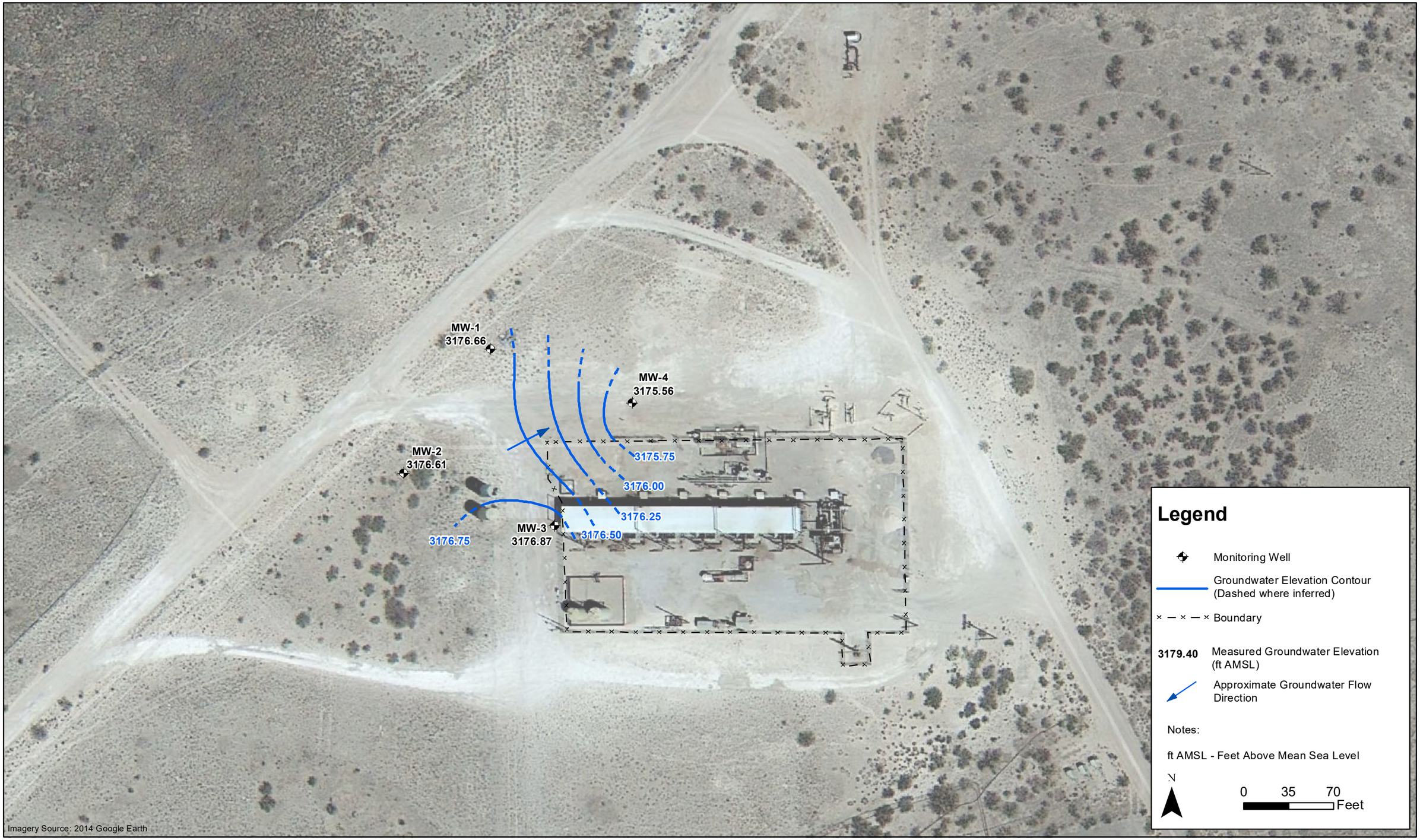


DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** Lots 4 and 5, Section 1, Township 21 South, Range 27 East Eddy County, New Mexico	Site Location Map	Figure 1

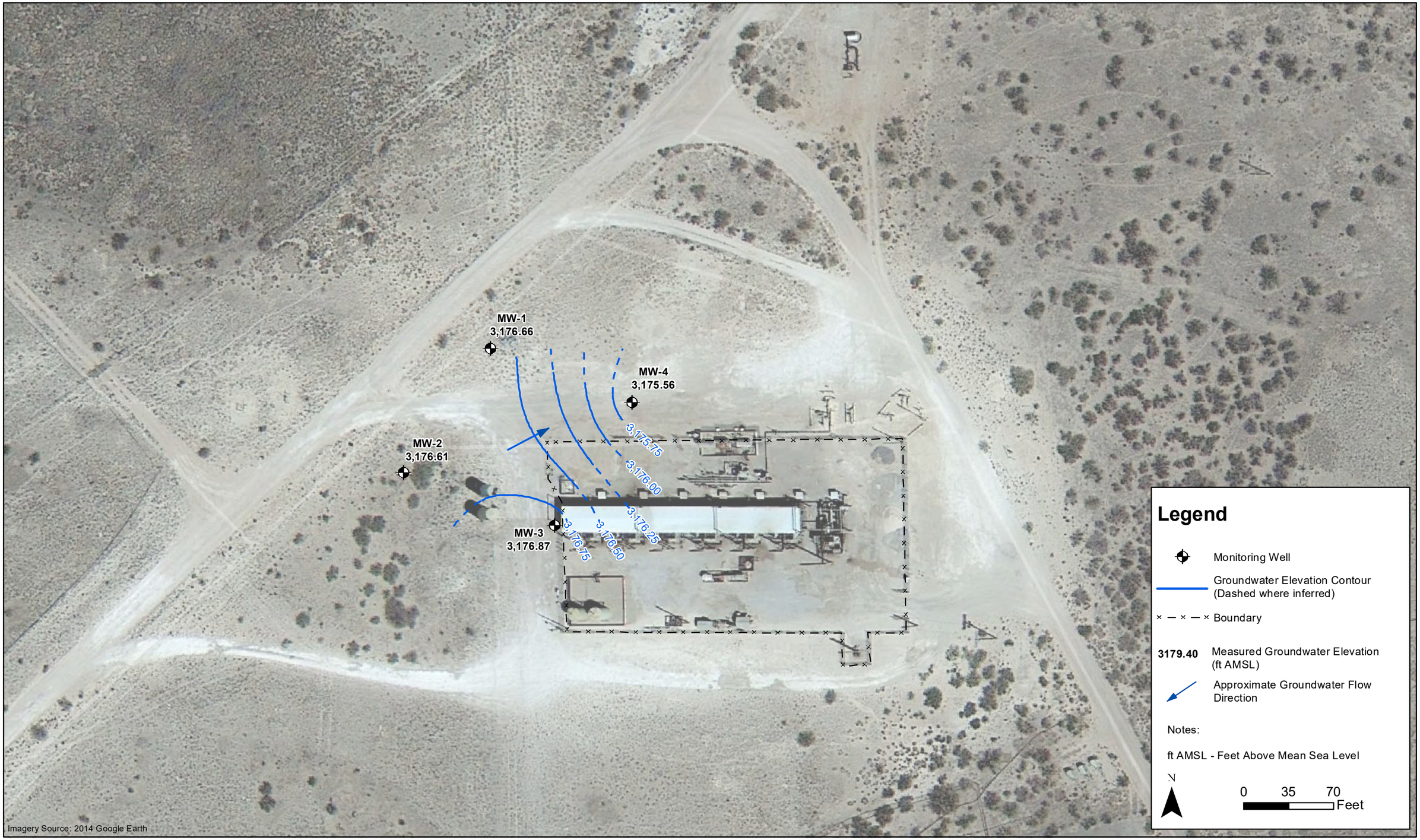
DATE: December 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	TASMAN **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** Groundwater Monitoring Summary Report	Site Map with Monitoring Well Locations	Figure 2



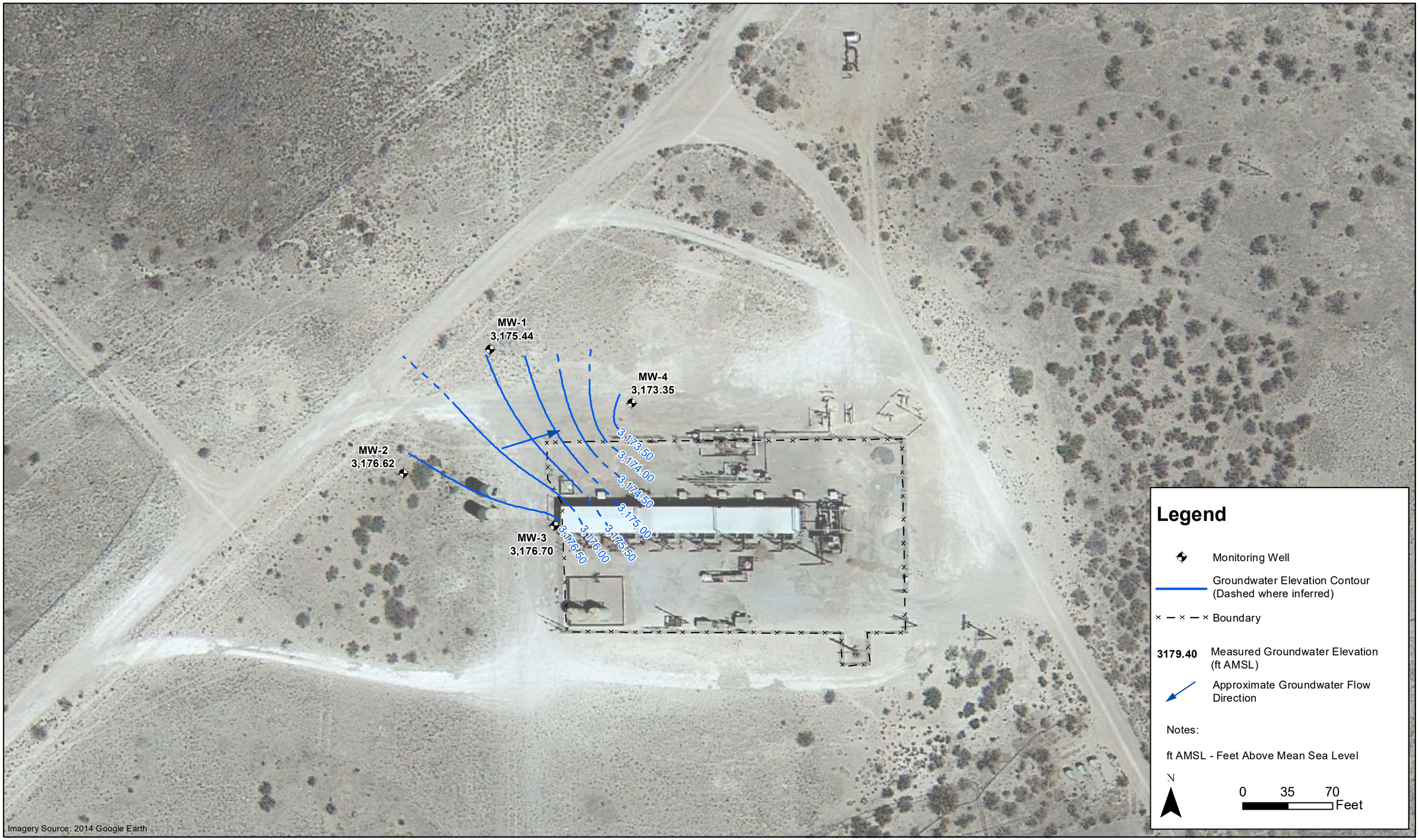
DATE: August 2023 DESIGNED BY: J. Watts DRAWN BY: M. Kaczmarek	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Operating Company, LP** **Burton Flats Booster Station** 2023 Annual Groundwater Monitoring Report First Quarter	Groundwater Elevation Contour Map (March 16, 2023)	Figure 3



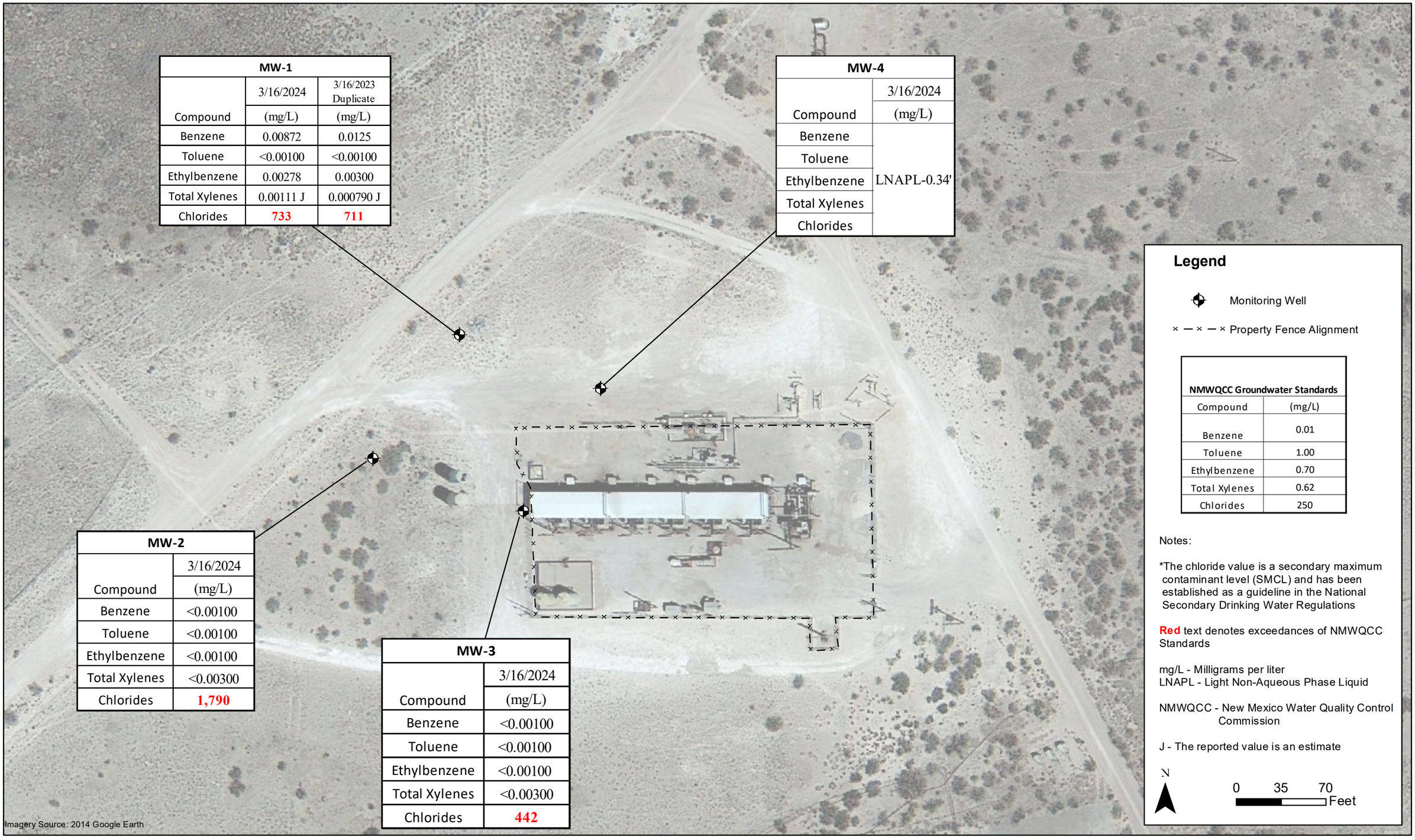
DATE: August 2023 DESIGNED BY: J. Watts DRAWN BY: M. Kaczmarek	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2023 Annual Groundwater Monitoring Report Second Quarter	Groundwater Elevation Contour Map (June 28, 2023)	Figure 4



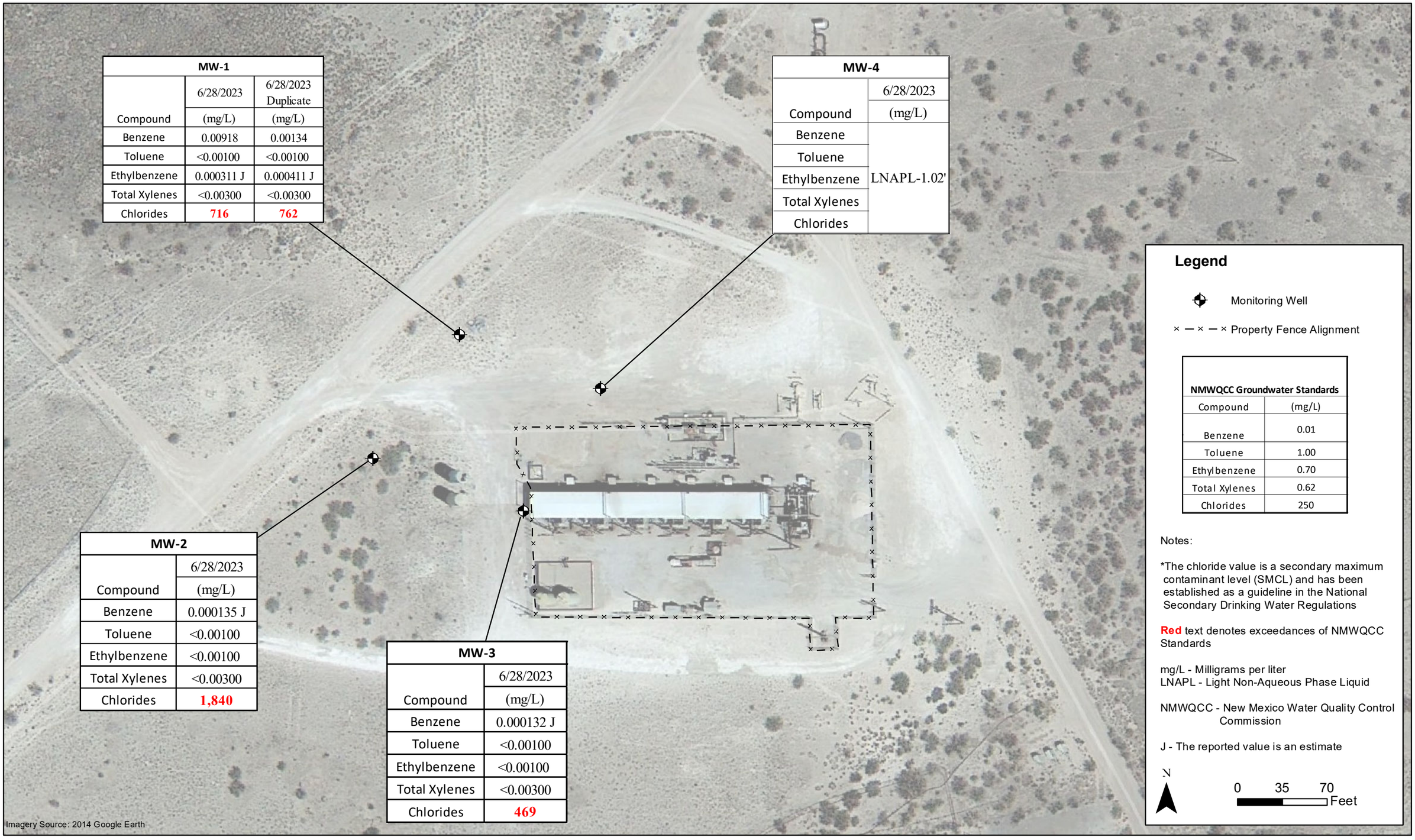
DATE: Februrary 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2023 Anual Groundwater Monitoring Report 3rd Quarter	Groundwater Elevation Contour Map (September 28, 2023)	Figure 5



DATE: Februrary 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** Anual Groundwater Monitoring Report 4th Quarter 2023	Groundwater Elevation Contour Map (December 13, 2023)	Figure 6



DATE: Februrary 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2023 Annual Groundwater Monitoring Report First Quarter	Analytical Results Map (March 16, 2023)	Figure 7



MW-1		
Compound	6/28/2023 (mg/L)	6/28/2023 Duplicate (mg/L)
Benzene	0.00918	0.00134
Toluene	<0.00100	<0.00100
Ethylbenzene	0.000311 J	0.000411 J
Total Xylenes	<0.00300	<0.00300
Chlorides	**716**	**762**

MW-4	
Compound	6/28/2023 (mg/L)
Benzene	LNAPL-1.02'
Toluene	
Ethylbenzene	
Total Xylenes	
Chlorides	

MW-2	
Compound	6/28/2023 (mg/L)
Benzene	0.000135 J
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**1,840**

MW-3	
Compound	6/28/2023 (mg/L)
Benzene	0.000132 J
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	**469**

Imagery Source: 2014 Google Earth

Legend

Monitoring Well

Property Fence Alignment

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

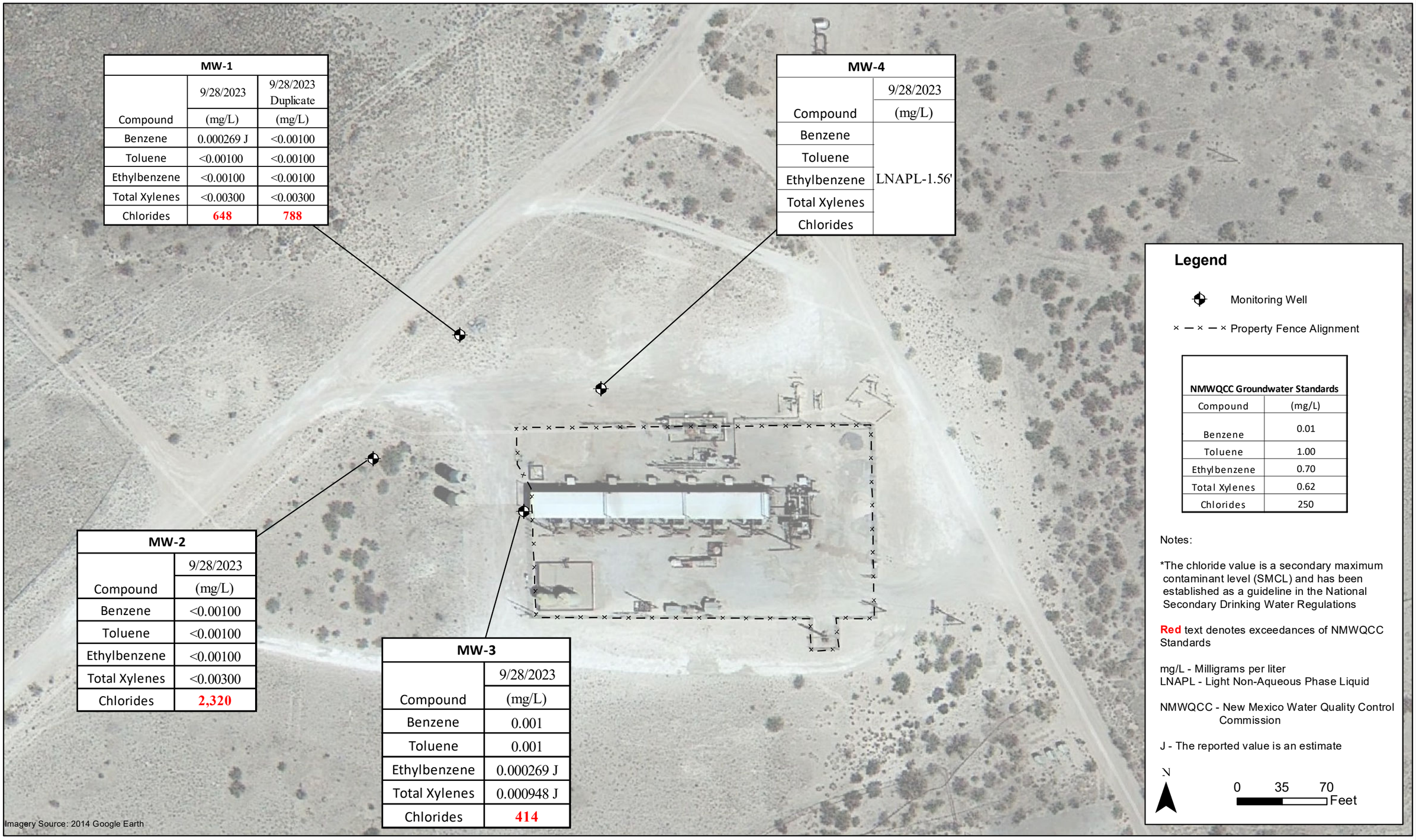
NMWQCC - New Mexico Water Quality Control Commission

J - The reported value is an estimate

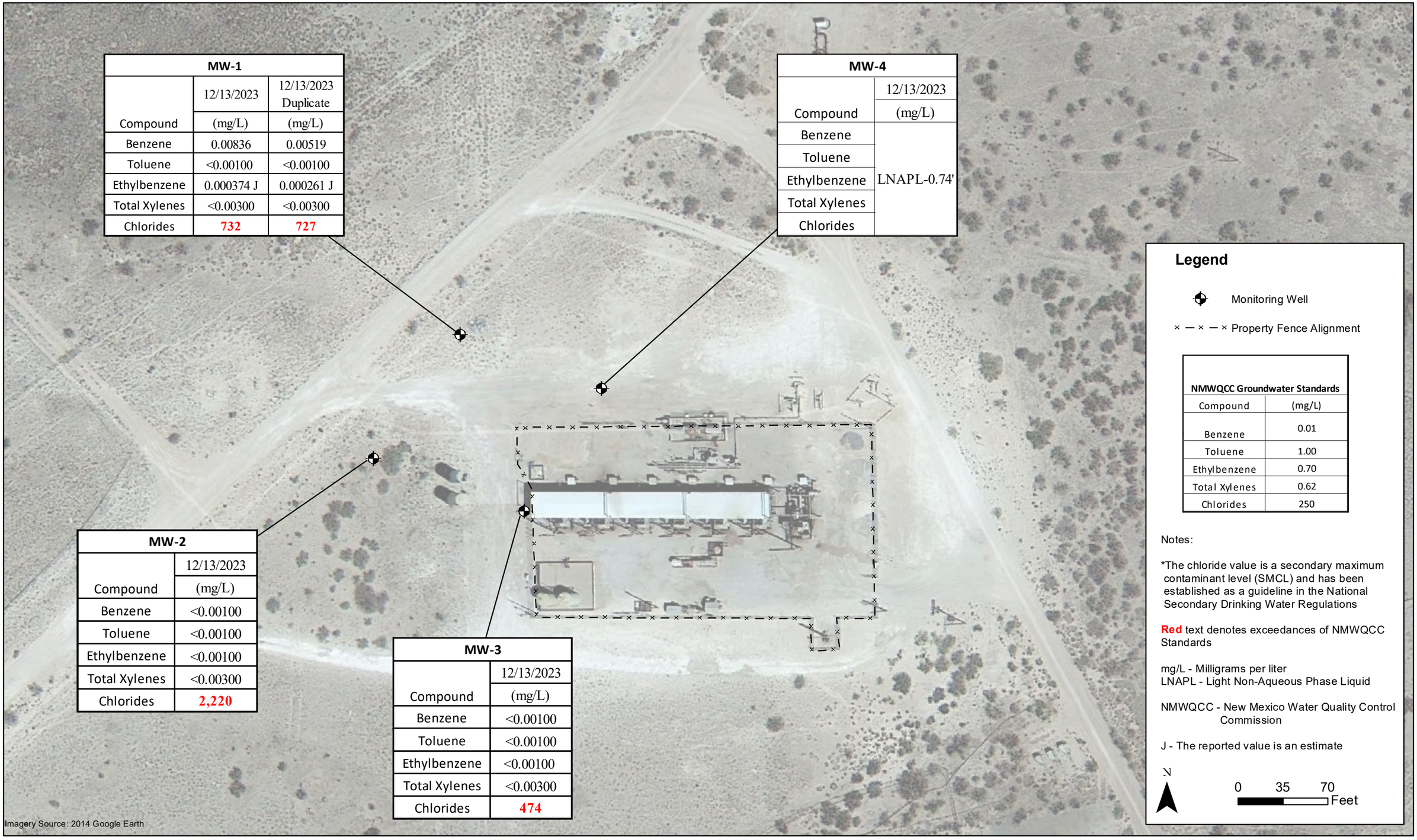
N

0 35 70 Feet

DATE: August 2023 DESIGNED BY: J. Watts DRAWN BY: M. Kaczmarek	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Operating Company, LP** **Burton Flats Booster Station** 2023 Annual Groundwater Monitoring Report Second Quarter	Analytical Results Map (June 28, 2023)	Figure 8



DATE: Februrary 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2023 Annual Groundwater Monitoring Report Third Quarter	Analytical Results Map (September 28, 2023)	Figure 9



MW-1		
Compound	12/13/2023 (mg/L)	12/13/2023 Duplicate (mg/L)
Benzene	0.00836	0.00519
Toluene	<0.00100	<0.00100
Ethylbenzene	0.000374 J	0.000261 J
Total Xylenes	<0.00300	<0.00300
Chlorides	732	727

MW-4	
Compound	12/13/2023 (mg/L)
Benzene	LNAPL-0.74'
Toluene	
Ethylbenzene	
Total Xylenes	
Chlorides	

MW-2	
Compound	12/13/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	2,220

MW-3	
Compound	12/13/2023 (mg/L)
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
Chlorides	474

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

DATE: Februrary 2024
DESIGNED BY: B. Dennis
DRAWN BY: B. Dennis

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

DCP Operating Company, LP
Burton Flats Booster Station
2023 Annual Groundwater Monitoring Report
Fourth Quarter

Analytical Results Map
(December 13, 2023)

Figure 10

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)		**0.01**	**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	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	2/26/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	6/2/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-1	12/3/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	2/27/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	6/2/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	8/31/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/15/2015	LNAPL	LNAPL	LNAPL	LNAPL	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	**0.0278**	<0.0010	0.01900	0.00160 J	**908**	Duplicate Sample Collected
MW-1 (Duplicate)	6/19/2020	**0.0277**	<0.0010	0.01870	0.00139 J	**927**	
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-1	3/24/2021	**0.0386**	<0.00100	0.0224	0.00599	**786**	Duplicate Sample Collected
MW-1 (Duplicate)	3/24/2021	**0.0323**	<0.00100	0.0188	0.00456	**781**	
MW-1	6/18/2021	**0.0356**	<0.00100	0.0127	0.00263 J	**848**	Duplicate Sample Collected
MW-1 (Duplicate)	6/18/2021	**0.0375**	<0.00100	0.0136	0.00279 J	**844**	
MW-1	9/24/2021	**0.0403**	<0.00100	0.0138	0.00203 J	**814**	Duplicate Sample Collected
MW-1 (Duplicate)	9/24/2021	**0.0448**	<0.00100	0.0170	0.00289 J	**868**	
MW-1	12/21/2021	**0.0326**	<0.00100	0.0108	0.00182 J	**743**	Duplicate Sample Collected
MW-1 (Duplicate)	12/21/2021	**0.0323**	<0.00100	0.0108	0.00198 J	**741**	

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)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	3/23/2022	**0.0167**	<0.00100	0.00872	0.00280 J	**818**	Duplicate Sample Collected
MW-1 (Duplicate)	3/23/2022	0.00284	<0.00100	0.00114	0.000235 J	**826**	
MW-1	6/24/2022	**0.0426**	<0.00100	0.0126	0.000423 J	**704**	Duplicate Sample Collected
MW-1 (Duplicate)	6/24/2022	**0.0401**	<0.00100	0.0123	0.000413 J	**709**	
MW-1	9/19/2022	0.00469	<0.00100	0.000982 J	<0.00300	**748**	Duplicate Sample Collected
MW-1 (Duplicate)	9/19/2022	**0.0175**	<0.00100	0.00247	<0.00300	**732**	
MW-1	12/7/2022	0.00483	<0.00100	0.000567 J	<0.00300	**695**	Duplicate Sample Collected
MW-1 (Duplicate)	12/7/2022	0.00416	<0.00100	0.000411 J	<0.00300	**795**	
MW-1	3/16/2023	0.00872	<0.00100	0.00278	0.00111 J	**733**	Duplicate Sample Collected
MW-1 (Duplicate)	3/16/2023	**0.0125**	<0.00100	0.00300	0.000790 J	**711**	
MW-1	6/28/2023	0.00918	<0.00100	0.000311 J	<0.00300	**716**	Duplicate Sample Collected
MW-1 (Duplicate)	6/28/2023	0.00134	<0.00100	0.000411 J	<0.00300	**762**	
MW-1	9/28/2023	0.000269 J	<0.00100	<0.00100	<0.00300	**648**	Duplicate Sample Collected
MW-1 (Duplicate)	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	**788**	
MW-1	12/13/2023	0.00836	<0.00100	0.000374 J	<0.00300	**732**	Duplicate Sample Collected
MW-1 (Duplicate)	12/13/2023	0.00519	<0.00100	0.000261 J	<0.00300	**727**	
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**	

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)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
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	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**2,160**	
MW-2	3/24/2021	0.000195 J	<0.00100	<0.00100	<0.00300	**1,860**	
MW-2	6/18/2021	<0.00100	<0.00100	<0.00100	<0.00300	**2,120**	
MW-2	9/24/2021	<0.00100	<0.00100	<0.00100	<0.00300	**2,120**	
MW-2	12/21/2021	0.000114 J	<0.00100	<0.00100	<0.00300	**435**	
MW-2	3/23/2022	<0.00100	<0.00100	<0.00100	0.00112 J	**1,870**	
MW-2	6/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,220**	
MW-2	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,380**	
MW-2	12/7/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,380**	
MW-2	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	**1,790**	
MW-2	6/28/2023	0.000135 J	<0.00100	<0.00100	<0.00300	**1,840**	
MW-2	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	**2,320**	
MW-2	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	**2,220**	
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**	

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BURTON FLATS BOOSTER STATION
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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-3	6/19/2020	0.000240 J	<0.0010	<0.0010	<0.0030	**372**	
MW-3	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**420**	
MW-3	3/24/2021	0.000352 J	0.000345 J	<0.00100	<0.00300	**410**	
MW-3	6/18/2021	<0.00100	<0.00100	<0.00100	<0.00300	**436**	
MW-3	9/24/2021	0.000125 J	<0.00100	<0.00100	<0.00300	**443**	
MW-3	12/21/2021	<0.00100	<0.00100	<0.00100	<0.00300	**1990**	
MW-3	3/23/2022	0.00110	0.00119	<0.00100	0.000290 J	**434**	
MW-3	6/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	**436**	
MW-3	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	**431**	
MW-3	12/7/2022	0.000191 J	<0.00100	<0.00100	<0.00300	**436**	
MW-3	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	**442**	
MW-3	6/28/2023	0.000132 J	<0.00100	<0.00100	<0.00300	**469**	
MW-3	9/28/2023	0.001	0.001	0.000269 J	0.000948 J	**414**	
MW-3	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	**474**	
MW-4	4/26/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/20/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/26/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	2/26/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/2/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-4	12/3/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	2/27/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/2/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	8/31/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/15/2015	LNAPL	LNAPL	LNAPL	LNAPL	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	LNAPL	LNAPL	LNAPL	LNAPL (0.18 feet)
MW-4	9/17/2018	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL (0.5 feet)
MW-4	12/10/2018	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL (0.59 feet)
MW-4	3/21/2019	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL (0.65 feet)
MW-4	6/13/2019	LNAPL	LNAPL	LNAPL	LNAPL	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
MW-4	12/11/2020	LNAPL					LNAPL
MW-4	3/24/2021	LNAPL					LNAPL
MW-4	6/18/2021	LNAPL					LNAPL
MW-4	9/24/2021	LNAPL					LNAPL
MW-4	12/21/2021	LNAPL					LNAPL
MW-4	3/23/2022	LNAPL					LNAPL
MW-4	6/24/2022	LNAPL					LNAPL (1.07 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)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-4	9/19/2022	Not Sampled - LNAPL					LNAPL (0.16')
MW-4	12/7/2022	Not Sampled - Historical LNAPL					
MW-4	3/16/2023	Not Sampled - Historical LNAPL					LNAPL (0.34')
MW-4	6/28/2023	Not Sampled - Historical LNAPL					LNAPL (1.02')
MW-4	9/28/2023	Not Sampled - Historical LNAPL					LNAPL (1.56')
MW-4	12/13/2023	Not Sampled - Historical LNAPL					LNAPL (0.74')
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	12/9/2019	<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	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/24/2021	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/18/2021	NA	NA	NA	NA	NA	
Trip Blank	9/24/2021	0.000372 J	<0.00100	<0.00100	<0.00100	NA	
Trip Blank	12/21/2021	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/23/2022	NA	NA	NA	NA	NA	No Trip Blank
Trip Blank	6/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/7/2022	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/13/2023	<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 (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 Job #: L1596004
- Pace Analytical Job #: L1630641
- Pace Analytical Job #: L1661192
- Pace Analytical Job #: L1688211

ANALYTICAL REPORT

March 23, 2023

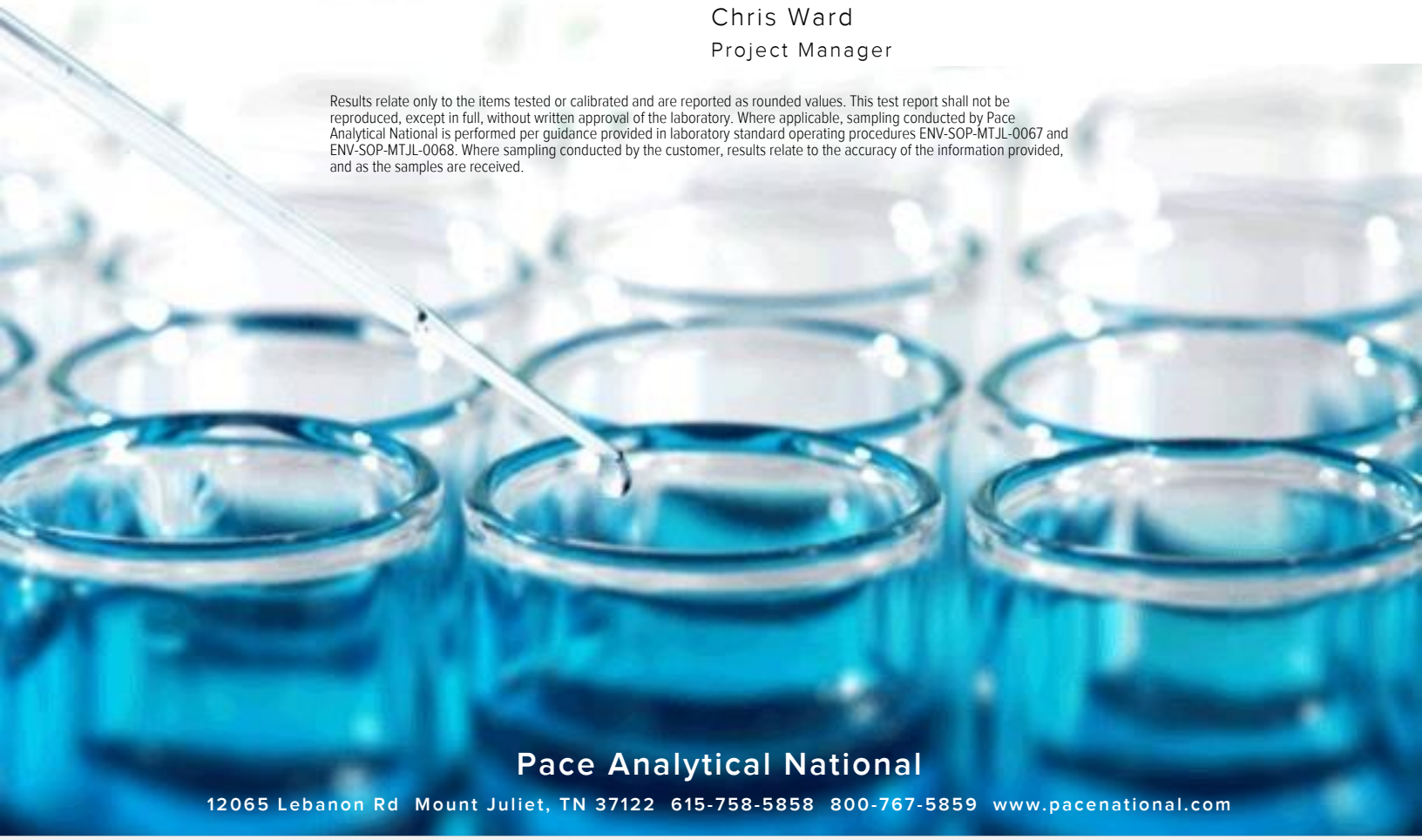
DCP Midstream - Tasman

Sample Delivery Group:	L1596004
Samples Received:	03/17/2023
Project Number:	311090017
Description:	Burton Flats Booster Station

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-1 L1596004-01 GW

Collected by: Chris Flores | Collected date/time: 03/16/23 10:04 | Received date/time: 03/17/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2027550	20	03/22/23 11:25	03/22/23 11:25	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2028242	1	03/22/23 21:44	03/22/23 21:44	JHH	Mt. Juliet, TN

MW-2 L1596004-02 GW

Collected by: Chris Flores | Collected date/time: 03/16/23 09:31 | Received date/time: 03/17/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2027550	100	03/22/23 12:04	03/22/23 12:04	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2028242	1	03/22/23 22:03	03/22/23 22:03	JHH	Mt. Juliet, TN

MW-3 L1596004-03 GW

Collected by: Chris Flores | Collected date/time: 03/16/23 10:20 | Received date/time: 03/17/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2027550	10	03/22/23 12:17	03/22/23 12:17	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2026970	1	03/21/23 10:45	03/21/23 10:45	KSD	Mt. Juliet, TN

DUPLICATE L1596004-04 GW

Collected by: Chris Flores | Collected date/time: 03/16/23 10:04 | Received date/time: 03/17/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2027550	20	03/22/23 12:29	03/22/23 12:29	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2026970	1	03/21/23 11:07	03/21/23 11:07	KSD	Mt. Juliet, TN

TRIP BLANK L1596004-05 GW

Collected by: Chris Flores | Collected date/time: 03/16/23 00:00 | Received date/time: 03/17/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2026970	1	03/21/23 10:04	03/21/23 10:04	KSD	Mt. Juliet, TN

CASE NARRATIVE

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: 03/16/23 10:04
L1596004

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	733		7.58	20.0	20	03/22/2023 11:25	WG2027550

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	0.00872		0.0000941	0.00100	1	03/22/2023 21:44	WG2028242
Toluene	U		0.000278	0.00100	1	03/22/2023 21:44	WG2028242
Ethylbenzene	0.00278		0.000137	0.00100	1	03/22/2023 21:44	WG2028242
Total Xylenes	0.00111	J	0.000174	0.00300	1	03/22/2023 21:44	WG2028242
(S) Toluene-d8	*93.8*			*80.0-120*		*03/22/2023 21:44*	WG2028242
(S) 4-Bromofluorobenzene	*90.1*			*77.0-126*		*03/22/2023 21:44*	WG2028242
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*03/22/2023 21:44*	WG2028242

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1790		37.9	100	100	03/22/2023 12:04	WG2027550

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	03/22/2023 22:03	WG2028242
Toluene	U		0.000278	0.00100	1	03/22/2023 22:03	WG2028242
Ethylbenzene	U		0.000137	0.00100	1	03/22/2023 22:03	WG2028242
Total Xylenes	U		0.000174	0.00300	1	03/22/2023 22:03	WG2028242
(S) Toluene-d8	*99.3*			*80.0-120*		*03/22/2023 22:03*	WG2028242
(S) 4-Bromofluorobenzene	*83.9*			*77.0-126*		*03/22/2023 22:03*	WG2028242
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*03/22/2023 22:03*	WG2028242

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	442		3.79	10.0	10	03/22/2023 12:17	WG2027550

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U	J3	0.0000941	0.00100	1	03/21/2023 10:45	WG2026970
Toluene	U		0.000278	0.00100	1	03/21/2023 10:45	WG2026970
Ethylbenzene	U		0.000137	0.00100	1	03/21/2023 10:45	WG2026970
Total Xylenes	U	J3	0.000174	0.00300	1	03/21/2023 10:45	WG2026970
(S) Toluene-d8	*104*			*80.0-120*		*03/21/2023 10:45*	WG2026970
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*		*03/21/2023 10:45*	WG2026970
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*03/21/2023 10:45*	WG2026970

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	711		7.58	20.0	20	03/22/2023 12:29	WG2027550

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	0.0125	J3	0.0000941	0.00100	1	03/21/2023 11:07	WG2026970
Toluene	U		0.000278	0.00100	1	03/21/2023 11:07	WG2026970
Ethylbenzene	0.00300		0.000137	0.00100	1	03/21/2023 11:07	WG2026970
Total Xylenes	0.000790	J J3	0.000174	0.00300	1	03/21/2023 11:07	WG2026970
(S) Toluene-d8	*102*			*80.0-120*		*03/21/2023 11:07*	WG2026970
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*03/21/2023 11:07*	WG2026970
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*03/21/2023 11:07*	WG2026970

SAMPLE RESULTS - 05

TRIP BLANK
Collected date/time: 03/16/23 00:00

L1596004

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	J3	0.0000941	0.00100	1	03/21/2023 10:04	WG2026970
Toluene	U		0.000278	0.00100	1	03/21/2023 10:04	WG2026970
Ethylbenzene	U		0.000137	0.00100	1	03/21/2023 10:04	WG2026970
Total Xylenes	U	J3	0.000174	0.00300	1	03/21/2023 10:04	WG2026970
(S) Toluene-d8	*103*			*80.0-120*		*03/21/2023 10:04*	WG2026970
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*03/21/2023 10:04*	WG2026970
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*03/21/2023 10:04*	WG2026970

Method Blank (MB)

(MB) R3904223-1 03/22/23 06:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.387	J	0.379	1.00

L1595838-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1595838-02 03/22/23 08:20 • (DUP) R3904223-3 03/22/23 08:34

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.72	1.72	1	0.163		15

L1595838-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1595838-07 03/22/23 10:33 • (DUP) R3904223-6 03/22/23 10:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.70	1.65	1	3.30		15

Laboratory Control Sample (LCS)

(LCS) R3904223-2 03/22/23 06:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.9	97.1	80.0-120	

L1595838-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1595838-02 03/22/23 08:20 • (MS) R3904223-4 03/22/23 08:47 • (MSD) R3904223-5 03/22/23 09:26

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	1.72	50.8	52.0	98.1	101	1	80.0-120			2.44	15

L1595838-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1595838-07 03/22/23 10:33 • (MS) R3904223-7 03/22/23 10:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	1.70	49.9	96.4	1	80.0-120	

Method Blank (MB)

(MB) R3904497-3 03/21/23 08:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*

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

(LCS) R3904497-1 03/21/23 06:57 • (LCSD) R3904497-2 03/21/23 07:19

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	0.00540	0.00432	108	86.4	70.0-123		J3	22.2	20
Toluene	0.00500	0.00527	0.00431	105	86.2	79.0-120			20.0	20
Ethylbenzene	0.00500	0.00541	0.00445	108	89.0	79.0-123			19.5	20
Xylenes, Total	0.0150	0.0159	0.0128	106	85.3	79.0-123		J3	21.6	20
(S) Toluene-d8				*101*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*98.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*93.3*	*91.6*	*70.0-130*				

Method Blank (MB)

(MB) R3904502-3 03/22/23 18:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*86.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

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

(LCS) R3904502-1 03/22/23 17:04 • (LCSD) R3904502-2 03/22/23 17:23

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	0.00536	0.00537	107	107	70.0-123			0.186	20
Toluene	0.00500	0.00519	0.00501	104	100	79.0-120			3.53	20
Ethylbenzene	0.00500	0.00498	0.00465	99.6	93.0	79.0-123			6.85	20
Xylenes, Total	0.0150	0.0145	0.0142	96.7	94.7	79.0-123			2.09	20
(S) Toluene-d8				*101*	*98.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.0*	*87.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*113*	*113*	*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.
J3	The associated batch QC was outside the established quality control range for precision.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* 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 Analytical.

Company Name/Address:
DCP Midstream - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: **Kyle Norman**

Email To: **knorman@tasman-geo.com;swweathers@dcpmidstream.com;jwat**

Project Description: **Burton Flats Booster Station**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project # **DCPTASMAN-BURTONFLAT**

Collected by (print): CHRIS FLORES

Site/Facility ID #

P.O. # **0000661900**

Collected by (signature):

Immediately Packed on Ice N ____ Y X

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

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	Chloride-BLK 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX-BLK 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1		GW		3/16/23	1004	4	X		X			-01
MW-2		GW			0931	4	X		X			-02
MW-3		GW			1020	4	X		X			-03
MW-4		GW										
DUPLICATE		GW		3/16/23	1004	4	X		X			-04
		GW										-0303117
TRIP BLANK		GW										-05

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 159600 4
F225

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P984850**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEx Ground**

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6094 5470 9972

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	
	3/16/23				
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NA16 °C 5.0+0=5.0 Bottles Received: 16	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/17/23 Time: 915 MW 3/17	Hold: Condition: NCF / OK

ANALYTICAL REPORT

July 14, 2023

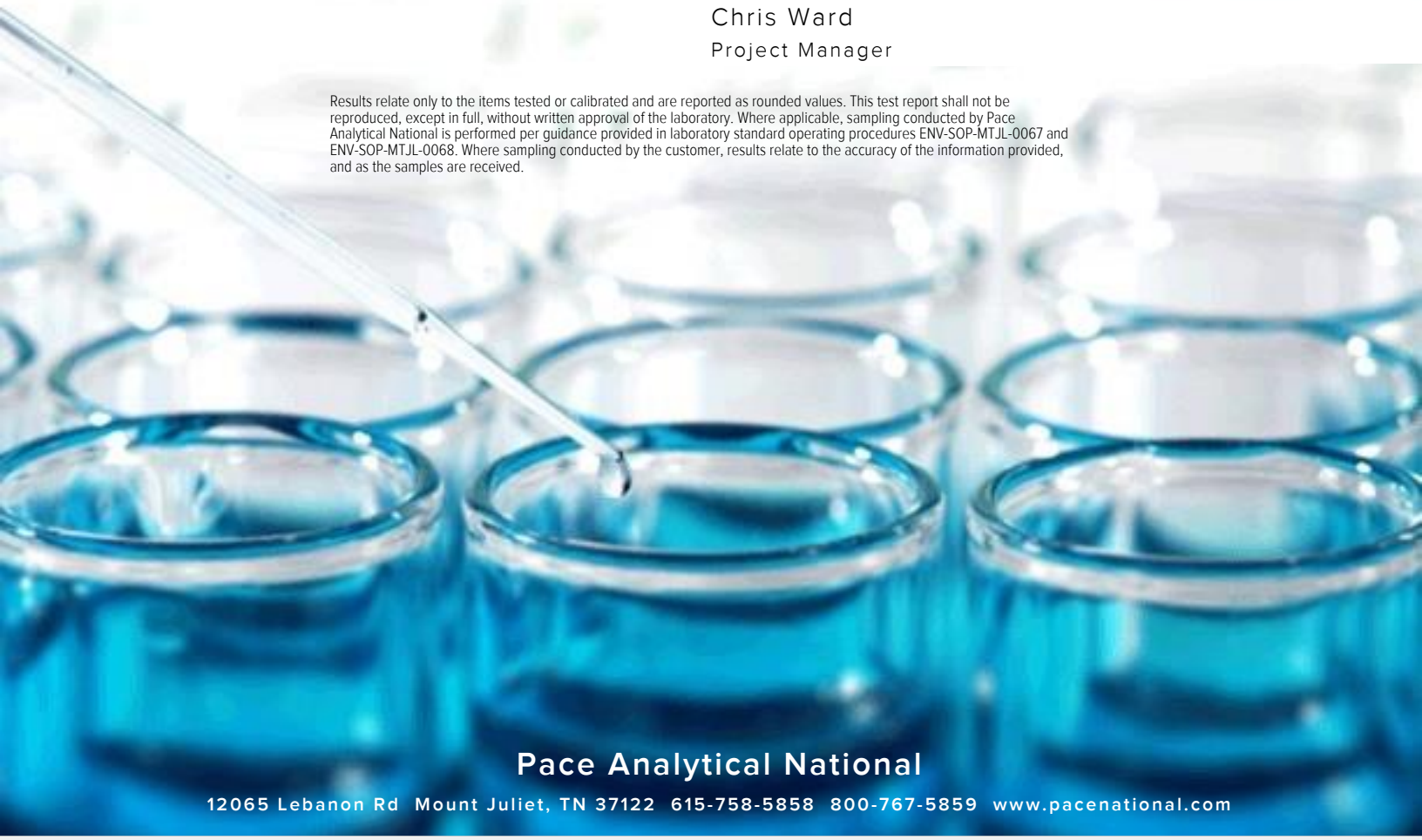
DCP Midstream - Tasman

Sample Delivery Group:	L1630641
Samples Received:	06/29/2023
Project Number:	311090017
Description:	Burton Flats Booster Station

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-1 L1630641-01 GW

			Collected by	Collected date/time	Received date/time	
				06/28/23 08:02	06/29/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2093269	5	07/12/23 20:47	07/12/23 20:47	KMC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089887	1	07/06/23 05:44	07/06/23 05:44	ACG	Mt. Juliet, TN

MW-2 L1630641-02 GW

			Collected by	Collected date/time	Received date/time	
				06/28/23 08:23	06/29/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2093529	100	07/12/23 23:12	07/12/23 23:12	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089887	1	07/06/23 06:06	07/06/23 06:06	ACG	Mt. Juliet, TN

MW-3 L1630641-03 GW

			Collected by	Collected date/time	Received date/time	
				06/28/23 08:42	06/29/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2093529	5	07/12/23 23:25	07/12/23 23:25	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089887	1	07/06/23 06:27	07/06/23 06:27	ACG	Mt. Juliet, TN

DUPLICATE L1630641-05 GW

			Collected by	Collected date/time	Received date/time	
				06/28/23 00:00	06/29/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2093529	5	07/12/23 23:39	07/12/23 23:39	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089887	1	07/06/23 06:49	07/06/23 06:49	ACG	Mt. Juliet, TN

TRIP BLANK L1630641-07 GW

			Collected by	Collected date/time	Received date/time	
				06/28/23 00:00	06/29/23 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2089887	1	07/06/23 01:45	07/06/23 01:45	ACG	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	716		1.90	5.00	5	07/12/2023 20:47	WG2093269

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	0.00918		0.0000941	0.00100	1	07/06/2023 05:44	WG2089887
Toluene	U		0.000278	0.00100	1	07/06/2023 05:44	WG2089887
Ethylbenzene	0.000311	J	0.000137	0.00100	1	07/06/2023 05:44	WG2089887
Total Xylenes	U		0.000174	0.00300	1	07/06/2023 05:44	WG2089887
(S) Toluene-d8	*98.0*			*80.0-120*		*07/06/2023 05:44*	WG2089887
(S) 4-Bromofluorobenzene	*88.9*			*77.0-126*		*07/06/2023 05:44*	WG2089887
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*07/06/2023 05:44*	WG2089887

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1840		37.9	100	100	07/12/2023 23:12	WG2093529

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	0.000135	J	0.0000941	0.00100	1	07/06/2023 06:06	WG2089887
Toluene	U		0.000278	0.00100	1	07/06/2023 06:06	WG2089887
Ethylbenzene	U		0.000137	0.00100	1	07/06/2023 06:06	WG2089887
Total Xylenes	U		0.000174	0.00300	1	07/06/2023 06:06	WG2089887
(S) Toluene-d8	*99.3*			*80.0-120*		*07/06/2023 06:06*	WG2089887
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*		*07/06/2023 06:06*	WG2089887
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*07/06/2023 06:06*	WG2089887

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	469		1.90	5.00	5	07/12/2023 23:25	WG2093529

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	0.000132	J	0.0000941	0.00100	1	07/06/2023 06:27	WG2089887
Toluene	U		0.000278	0.00100	1	07/06/2023 06:27	WG2089887
Ethylbenzene	U		0.000137	0.00100	1	07/06/2023 06:27	WG2089887
Total Xylenes	U		0.000174	0.00300	1	07/06/2023 06:27	WG2089887
(S) Toluene-d8	*99.8*			*80.0-120*		*07/06/2023 06:27*	WG2089887
(S) 4-Bromofluorobenzene	*84.4*			*77.0-126*		*07/06/2023 06:27*	WG2089887
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/06/2023 06:27*	WG2089887

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	762		1.90	5.00	5	07/12/2023 23:39	WG2093529

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	0.00134		0.0000941	0.00100	1	07/06/2023 06:49	WG2089887
Toluene	U		0.000278	0.00100	1	07/06/2023 06:49	WG2089887
Ethylbenzene	U		0.000137	0.00100	1	07/06/2023 06:49	WG2089887
Total Xylenes	U		0.000174	0.00300	1	07/06/2023 06:49	WG2089887
(S) Toluene-d8	*98.1*			*80.0-120*		*07/06/2023 06:49*	WG2089887
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*07/06/2023 06:49*	WG2089887
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*07/06/2023 06:49*	WG2089887

TRIP BLANK
Collected date/time: 06/28/23 00:00
L1630641

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	07/06/2023 01:45	WG2089887
Toluene	U		0.000278	0.00100	1	07/06/2023 01:45	WG2089887
Ethylbenzene	U		0.000137	0.00100	1	07/06/2023 01:45	WG2089887
Total Xylenes	U		0.000174	0.00300	1	07/06/2023 01:45	WG2089887
(S) Toluene-d8	*101*			*80.0-120*		*07/06/2023 01:45*	WG2089887
(S) 4-Bromofluorobenzene	*81.4*			*77.0-126*		*07/06/2023 01:45*	WG2089887
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*07/06/2023 01:45*	WG2089887

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

Method Blank (MB)

(MB) R3948339-1 07/12/23 09:14

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

L1630515-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1630515-02 07/12/23 15:42 • (DUP) R3948339-5 07/12/23 16:33

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	14.7	14.5	5	1.56		15

L1630537-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1630537-05 07/12/23 19:56 • (DUP) R3948339-6 07/12/23 20:13

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	61.9	62.3	1	0.782		15

Laboratory Control Sample (LCS)

(LCS) R3948339-2 07/12/23 09:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.5	80.0-120	

L1630515-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630515-02 07/12/23 15:42 • (MS) R3948339-3 07/12/23 15:59 • (MSD) R3948339-4 07/12/23 16:16

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	250	14.7	269	263	102	99.4	5	80.0-120			2.13	15

L1630537-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1630537-05 07/12/23 19:56 • (MS) R3948339-7 07/12/23 20:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	61.9	111	98.0	1	80.0-120	

Method Blank (MB)

(MB) R3948112-1 07/12/23 22:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.431	J	0.379	1.00

L1630688-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1630688-01 07/12/23 23:52 • (DUP) R3948112-5 07/13/23 00:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	102	95.9	1	6.33		15

L1630883-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1630883-32 07/13/23 04:48 • (DUP) R3948112-6 07/13/23 05:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	6.84	7.09	1	3.68		15

Laboratory Control Sample (LCS)

(LCS) R3948112-2 07/12/23 22:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.4	98.5	80.0-120	

L1630688-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1630688-01 07/12/23 23:52 • (MS) R3948112-3 07/13/23 00:06 • (MSD) R3948112-4 07/13/23 00:19

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	102	149	148	93.6	92.5	1	80.0-120			0.361	15

L1630883-32 Original Sample (OS) • Matrix Spike (MS)

(OS) L1630883-32 07/13/23 04:48 • (MS) R3948112-7 07/13/23 05:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	6.84	57.6	102	1	80.0-120	

Method Blank (MB)

(MB) R3945567-3 07/05/23 22:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*85.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3945567-1 07/05/23 20:12 • (LCSD) R3945567-2 07/05/23 20:34

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	0.00500	0.00451	100	90.2	70.0-123			10.3	20
Toluene	0.00500	0.00482	0.00452	96.4	90.4	79.0-120			6.42	20
Ethylbenzene	0.00500	0.00446	0.00414	89.2	82.8	79.0-123			7.44	20
Total Xylenes	0.0150	0.0132	0.0122	88.0	81.3	79.0-123			7.87	20
(S) Toluene-d8				*96.3*	*99.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*86.4*	*88.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*107*	*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.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* 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 Analytical.

Company Name/Address:
DCP Midstream - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: **Kyle Norman**

Email To: knorman@tasman-geo.com;swweathers@dcpmidstream.com;jwat

Project Description: **Burton Flats Booster Station**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project # **DCPTASMAN-BURTONFLAT**

Collected by (print): Chris Flores

Site/Facility ID #

P.O. # **0000661900**

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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	Chloride 250mlHDPE-NoPres	Chloride-BLK 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX-BLK 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1		GW		6.28.23	08:02	4	X	X	X	X		-01
MW-2		GW			08:23	4	X	X	X	X		-02
MW-3		GW			08:42	4	X	X	X	X		-03
MW-4		GW										
DUPLICATE		GW				4	X	X	X	X		-05
		GW										
TRIP BLANK		GW				3	~~X~~	~~X~~	X	X		-07

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1630641

H028

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P1004412**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 628168577979

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
	6.28.23	12:28		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: ~~COT~~ °C 6.6+0+1.3=8.9	Bottles Received: 19
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6.29.23	Time: 0900

Hold: | Condition: NCF / OK

06/29/23-NCF-L1630641-DCPTASMAN

R2/R3/R4/RX/EX

Time estimate: oh **Time spent:** oh **Grouping date:** 5 July 2023

Members

DP Devin Piedimonte (responsible) Chris Ward

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Devin Piedimonte — *29 June 2023 10:52 AM*

OOT. Cooler came in with melted ice. Temp was at 10.0 c

Tony Gibson — *29 June 2023 10:59 AM*

Please proceed with running samples.

Devin Piedimonte — *5 July 2023 8:38 AM*

Thank you! Done!

Pace Analytical®

ANALYTICAL REPORT

October 06, 2023

DCP Midstream - Tasman

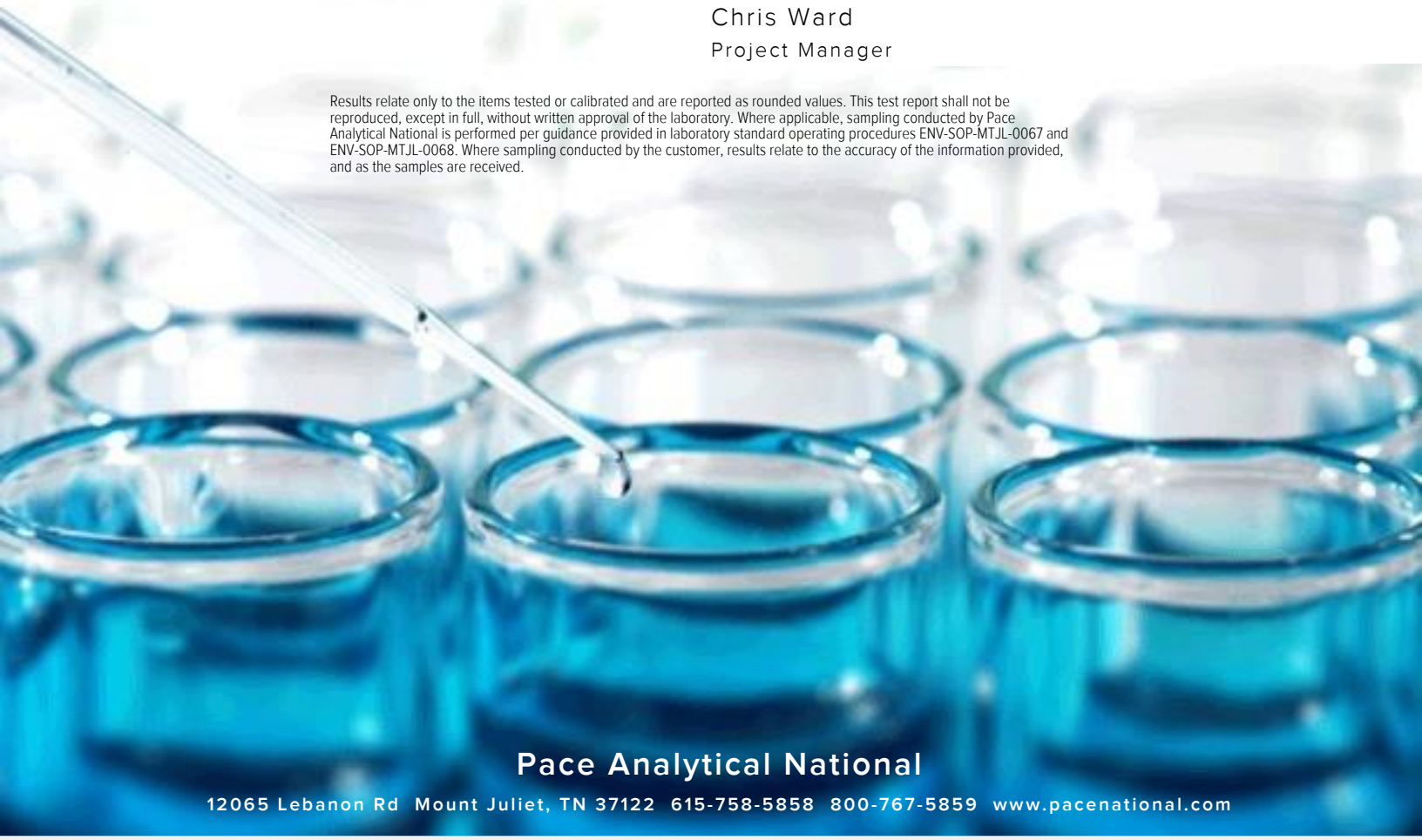
Sample Delivery Group:	L1661192
Samples Received:	09/29/2023
Project Number:	311090017
Description:	Burton Flats Booster Station

Report To: Brett Dennis
2620 W. Marland Blvd
Hobbs, NM 88240

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

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



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-1 L1661192-01 GW

Collected by: Kendon Stark | Collected date/time: 09/28/23 08:26 | Received date/time: 09/29/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2143082	10	10/04/23 18:45	10/04/23 18:45	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2143705	1	10/03/23 12:08	10/03/23 12:08	JCP	Mt. Juliet, TN

MW-2 L1661192-02 GW

Collected by: Kendon Stark | Collected date/time: 09/28/23 08:40 | Received date/time: 09/29/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2143082	100	10/04/23 19:26	10/04/23 19:26	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2143886	1	10/04/23 07:40	10/04/23 07:40	JBE	Mt. Juliet, TN

MW-3 L1661192-03 GW

Collected by: Kendon Stark | Collected date/time: 09/28/23 08:54 | Received date/time: 09/29/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2143082	10	10/04/23 19:40	10/04/23 19:40	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2143886	1	10/04/23 07:59	10/04/23 07:59	JBE	Mt. Juliet, TN

DUPLICATE L1661192-04 GW

Collected by: Kendon Stark | Collected date/time: 09/28/23 00:00 | Received date/time: 09/29/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2143082	10	10/04/23 20:07	10/04/23 20:07	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2143886	1	10/04/23 08:19	10/04/23 08:19	JBE	Mt. Juliet, TN

TRIP BLANK L1661192-05 GW

Collected by: Kendon Stark | Collected date/time: 09/28/23 00:00 | Received date/time: 09/29/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2143886	1	10/04/23 05:45	10/04/23 05:45	JBE	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	648		3.79	10.0	10	10/04/2023 18:45	WG2143082

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	0.000269	J	0.0000941	0.00100	1	10/03/2023 12:08	WG2143705
Toluene	U		0.000278	0.00100	1	10/03/2023 12:08	WG2143705
Ethylbenzene	U		0.000137	0.00100	1	10/03/2023 12:08	WG2143705
Total Xylenes	U		0.000174	0.00300	1	10/03/2023 12:08	WG2143705
(S) Toluene-d8	*93.8*			*80.0-120*		*10/03/2023 12:08*	WG2143705
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*10/03/2023 12:08*	WG2143705
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/03/2023 12:08*	WG2143705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2320		37.9	100	100	10/04/2023 19:26	WG2143082

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/04/2023 07:40	WG2143886
Toluene	U		0.000278	0.00100	1	10/04/2023 07:40	WG2143886
Ethylbenzene	U		0.000137	0.00100	1	10/04/2023 07:40	WG2143886
Total Xylenes	U		0.000174	0.00300	1	10/04/2023 07:40	WG2143886
(S) Toluene-d8	*94.6*			*80.0-120*		*10/04/2023 07:40*	WG2143886
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*10/04/2023 07:40*	WG2143886
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*10/04/2023 07:40*	WG2143886

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	414		3.79	10.0	10	10/04/2023 19:40	WG2143082

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	0.00115		0.0000941	0.00100	1	10/04/2023 07:59	WG2143886
Toluene	0.00111		0.000278	0.00100	1	10/04/2023 07:59	WG2143886
Ethylbenzene	0.000269	J	0.000137	0.00100	1	10/04/2023 07:59	WG2143886
Total Xylenes	0.000948	J	0.000174	0.00300	1	10/04/2023 07:59	WG2143886
(S) Toluene-d8	*96.4*			*80.0-120*		*10/04/2023 07:59*	WG2143886
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*10/04/2023 07:59*	WG2143886
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*10/04/2023 07:59*	WG2143886

DUPLICATE
Collected date/time: 09/28/23 00:00

SAMPLE RESULTS - 04

L1661192

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	788		3.79	10.0	10	10/04/2023 20:07	WG2143082

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/04/2023 08:19	WG2143886
Toluene	U		0.000278	0.00100	1	10/04/2023 08:19	WG2143886
Ethylbenzene	U		0.000137	0.00100	1	10/04/2023 08:19	WG2143886
Total Xylenes	U		0.000174	0.00300	1	10/04/2023 08:19	WG2143886
(S) Toluene-d8	*97.1*			*80.0-120*		*10/04/2023 08:19*	WG2143886
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*10/04/2023 08:19*	WG2143886
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*10/04/2023 08:19*	WG2143886

TRIP BLANK
Collected date/time: 09/28/23 00:00
L1661192

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/04/2023 05:45	WG2143886
Toluene	U		0.000278	0.00100	1	10/04/2023 05:45	WG2143886
Ethylbenzene	U		0.000137	0.00100	1	10/04/2023 05:45	WG2143886
Total Xylenes	U		0.000174	0.00300	1	10/04/2023 05:45	WG2143886
(S) Toluene-d8	*96.1*			*80.0-120*		*10/04/2023 05:45*	WG2143886
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*10/04/2023 05:45*	WG2143886
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*10/04/2023 05:45*	WG2143886

Method Blank (MB)

(MB) R3982209-1 10/04/23 09:14

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

L1661163-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1661163-02 10/04/23 14:11 • (DUP) R3982209-3 10/04/23 14:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	12.7	12.9	1	1.66		15

L1661328-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1661328-01 10/04/23 21:16 • (DUP) R3982209-6 10/04/23 21:30

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	18.8	18.9	1	0.284		15

Laboratory Control Sample (LCS)

(LCS) R3982209-2 10/04/23 09:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.2	80.0-120	

L1661163-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1661163-02 10/04/23 14:11 • (MS) R3982209-4 10/04/23 14:38 • (MSD) R3982209-5 10/04/23 15:19

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	40.0	12.7	49.7	50.4	92.5	94.2	1	80.0-120			1.36	15

L1661328-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1661328-01 10/04/23 21:16 • (MS) R3982209-7 10/04/23 21:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	18.8	53.1	85.6	1	80.0-120	

Method Blank (MB)

(MB) R3982592-3 10/03/23 07:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*93.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*91.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

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

(LCS) R3982592-1 10/03/23 06:30 • (LCSD) R3982592-2 10/03/23 06:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00562	0.00562	112	112	70.0-123			0.000	20
Toluene	0.00500	0.00507	0.00507	101	101	79.0-120			0.000	20
Ethylbenzene	0.00500	0.00421	0.00422	84.2	84.4	79.0-123			0.237	20
Total Xylenes	0.0150	0.0125	0.0124	83.3	82.7	79.0-123			0.803	20
(S) Toluene-d8				*92.9*	*93.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.6*	*93.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*112*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R3982334-3 10/04/23 05:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*94.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*

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

(LCS) R3982334-1 10/04/23 04:28 • (LCSD) R3982334-2 10/04/23 04:47

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	0.00498	0.00482	99.6	96.4	70.0-123			3.27	20
Toluene	0.00500	0.00467	0.00439	93.4	87.8	79.0-120			6.18	20
Ethylbenzene	0.00500	0.00461	0.00421	92.2	84.2	79.0-123			9.07	20
Total Xylenes	0.0150	0.0143	0.0133	95.3	88.7	79.0-123			7.25	20
(S) Toluene-d8				*96.1*	*95.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*121*	*121*	*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.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* 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 Analytical.

Company Name/Address:
DCP Midstream - Tasman

2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to:
Brett Dennis

Email To: **knorman@tasman-geo.com;swweathers@dcpmidstream.com;jwat**

Project Description:
Burton Flats Booster Station

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project #
DCPTASMAN-BURTONFLAT

Collected by (print):
Kendon Stark

Site/Facility ID #

P.O. #
0000661900

Collected by (signature):
Kendon Stark

Immediately Packed on Ice N ___ Y 1

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

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk
MW-1	Grab	GW	NA	9.28.23	08:26	4	X	X	
MW-2	Grab	GW	NA	9.28.23	08:40	4	X	X	
MW-3	Grab	GW	NA	9.28.23	08:54	4	X	X	
MW-4		GW				4	X	X	
DUPLICATE	Grab	GW	NA	9.28.23	—	4	X	X	
		GW				4	X	X	
TRIP BLANK		GW				3			X

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 166192
E059

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P1023520**
PM: **824 - Chris Ward**
PB: 9.7.23

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05

* 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 # 6337 2250 9036

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Kendon Stark	9.28.23	13:30		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.9+0=4.9 °C Bottles Received: 16	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/29/23 Time: 0930	Hold: / Condition: NCF / OK
			Alexa Mitchell@		

ANALYTICAL REPORT

December 26, 2023

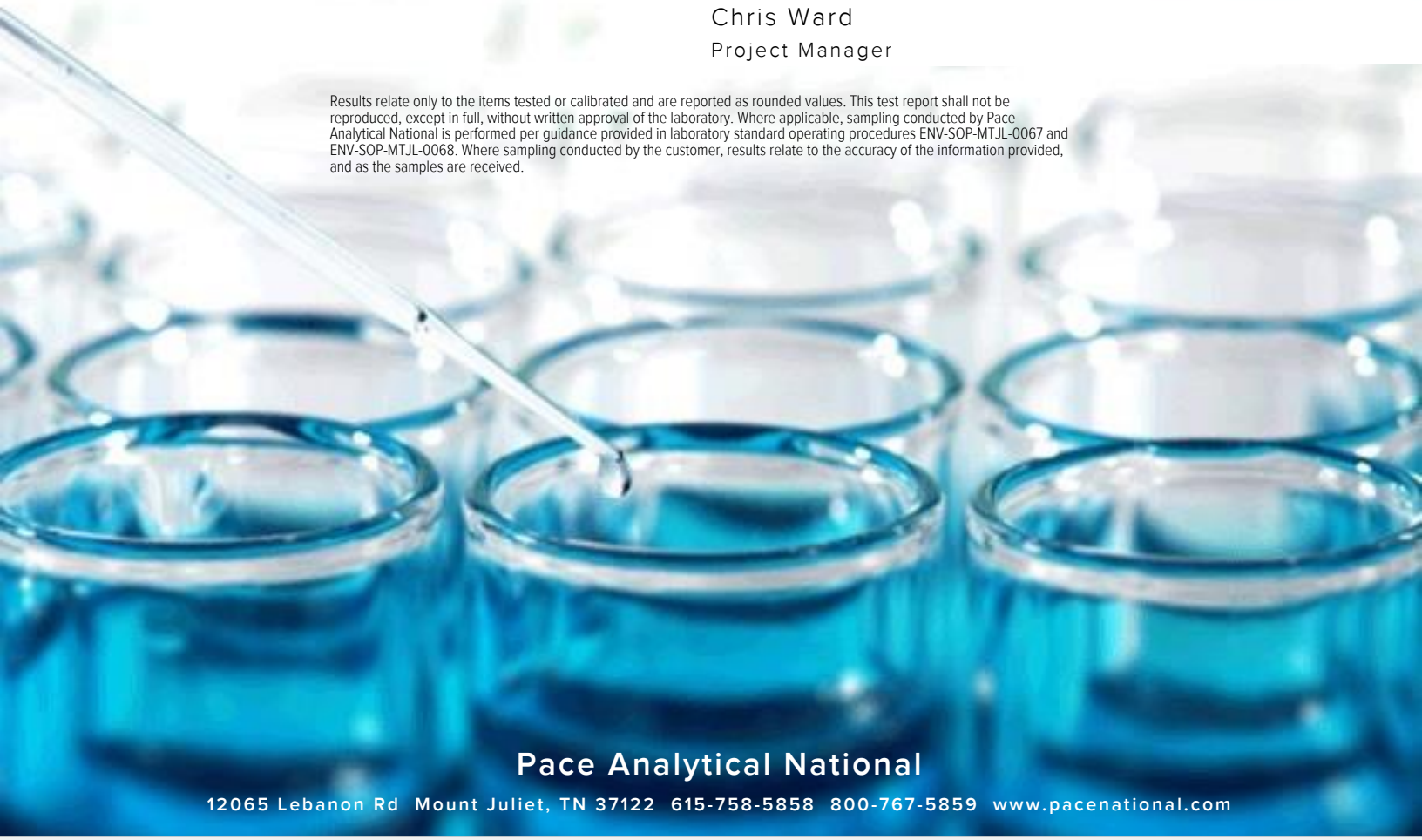
DCP Midstream - Tasman

Sample Delivery Group:	L1688211
Samples Received:	12/14/2023
Project Number:	311090017
Description:	Burton Flats Booster Station

Report To: Brett Dennis
2620 W. Marland Blvd
Hobbs, NM 88240

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-1 L1688211-01 GW

Collected by: Kendon Stark | Collected date/time: 12/13/23 08:56 | Received date/time: 12/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2193742	10	12/21/23 15:49	12/21/23 15:49	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191754	1	12/19/23 10:31	12/19/23 10:31	DYW	Mt. Juliet, TN

MW-2 L1688211-02 GW

Collected by: Kendon Stark | Collected date/time: 12/13/23 09:14 | Received date/time: 12/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2193742	20	12/21/23 16:17	12/21/23 16:17	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191754	1	12/19/23 10:52	12/19/23 10:52	DYW	Mt. Juliet, TN

MW-3 L1688211-03 GW

Collected by: Kendon Stark | Collected date/time: 12/13/23 09:23 | Received date/time: 12/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2193742	5	12/21/23 16:27	12/21/23 16:27	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191754	1	12/19/23 11:12	12/19/23 11:12	DYW	Mt. Juliet, TN

DUPLICATE L1688211-04 GW

Collected by: Kendon Stark | Collected date/time: 12/13/23 00:00 | Received date/time: 12/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2193742	10	12/21/23 16:37	12/21/23 16:37	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191754	1	12/19/23 11:33	12/19/23 11:33	DYW	Mt. Juliet, TN

TRIP BLANK L1688211-05 GW

Collected by: Kendon Stark | Collected date/time: 12/13/23 13:11 | Received date/time: 12/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2191754	1	12/19/23 05:11	12/19/23 05:11	DYW	Mt. Juliet, TN

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

CASE NARRATIVE

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

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	732		3.79	10.0	10	12/21/2023 15:49	WG2193742

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	0.00836		0.0000941	0.00100	1	12/19/2023 10:31	WG2191754
Toluene	U		0.000278	0.00100	1	12/19/2023 10:31	WG2191754
Ethylbenzene	0.000374	J	0.000137	0.00100	1	12/19/2023 10:31	WG2191754
Total Xylenes	U		0.000174	0.00300	1	12/19/2023 10:31	WG2191754
(S) Toluene-d8	*108*			*80.0-120*		*12/19/2023 10:31*	WG2191754
(S) 4-Bromofluorobenzene	*90.0*			*77.0-126*		*12/19/2023 10:31*	WG2191754
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*12/19/2023 10:31*	WG2191754

MW-2
Collected date/time: 12/13/23 09:14
L1688211

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2220		7.58	20.0	20	12/21/2023 16:17	WG2193742

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	12/19/2023 10:52	WG2191754
Toluene	U		0.000278	0.00100	1	12/19/2023 10:52	WG2191754
Ethylbenzene	U		0.000137	0.00100	1	12/19/2023 10:52	WG2191754
Total Xylenes	U		0.000174	0.00300	1	12/19/2023 10:52	WG2191754
(S) Toluene-d8	*111*			*80.0-120*		*12/19/2023 10:52*	WG2191754
(S) 4-Bromofluorobenzene	*85.6*			*77.0-126*		*12/19/2023 10:52*	WG2191754
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*12/19/2023 10:52*	WG2191754

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

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	474		1.90	5.00	5	12/21/2023 16:27	WG2193742

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	12/19/2023 11:12	WG2191754
Toluene	U		0.000278	0.00100	1	12/19/2023 11:12	WG2191754
Ethylbenzene	U		0.000137	0.00100	1	12/19/2023 11:12	WG2191754
Total Xylenes	U		0.000174	0.00300	1	12/19/2023 11:12	WG2191754
(S) Toluene-d8	*108*			*80.0-120*		*12/19/2023 11:12*	WG2191754
(S) 4-Bromofluorobenzene	*85.8*			*77.0-126*		*12/19/2023 11:12*	WG2191754
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*12/19/2023 11:12*	WG2191754

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	727		3.79	10.0	10	12/21/2023 16:37	WG2193742

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	0.00519		0.0000941	0.00100	1	12/19/2023 11:33	WG2191754
Toluene	U		0.000278	0.00100	1	12/19/2023 11:33	WG2191754
Ethylbenzene	0.000261	J	0.000137	0.00100	1	12/19/2023 11:33	WG2191754
Total Xylenes	U		0.000174	0.00300	1	12/19/2023 11:33	WG2191754
(S) Toluene-d8	*108*			*80.0-120*		*12/19/2023 11:33*	WG2191754
(S) 4-Bromofluorobenzene	*91.4*			*77.0-126*		*12/19/2023 11:33*	WG2191754
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*12/19/2023 11:33*	WG2191754

TRIP BLANK
Collected date/time: 12/13/23 13:11
L1688211

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	12/19/2023 05:11	WG2191754
Toluene	U		0.000278	0.00100	1	12/19/2023 05:11	WG2191754
Ethylbenzene	U		0.000137	0.00100	1	12/19/2023 05:11	WG2191754
Total Xylenes	U		0.000174	0.00300	1	12/19/2023 05:11	WG2191754
(S) Toluene-d8	*111*			*80.0-120*		*12/19/2023 05:11*	WG2191754
(S) 4-Bromofluorobenzene	*89.7*			*77.0-126*		*12/19/2023 05:11*	WG2191754
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*12/19/2023 05:11*	WG2191754

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

Method Blank (MB)

(MB) R4016105-1 12/21/23 11:13

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

L1687505-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1687505-02 12/21/23 12:58 • (DUP) R4016105-3 12/21/23 13:07

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	11.5	11.4	1	0.333		15

L1688320-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1688320-03 12/21/23 16:56 • (DUP) R4016105-6 12/21/23 17:05

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	49.3	49.2	1	0.138		15

Laboratory Control Sample (LCS)

(LCS) R4016105-2 12/21/23 11:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.6	102	80.0-120	

L1687505-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1687505-02 12/21/23 12:58 • (MS) R4016105-4 12/21/23 13:17 • (MSD) R4016105-5 12/21/23 13:26

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	40.0	11.5	49.8	49.1	95.9	94.1	1	80.0-120			1.44	15

L1688320-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1688320-03 12/21/23 16:56 • (MS) R4016105-7 12/21/23 17:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	49.3	79.4	75.2	1	80.0-120	J6

L1688320-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1688320-03 12/21/23 16:56 • (MS) R4016105-7 12/21/23 17:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier

Sample Narrative:

MS: [spike failed due to sample matrix]

Method Blank (MB)

(MB) R4015024-3 12/19/23 04:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R4015024-1 12/19/23 03:28 • (LCSD) R4015024-2 12/19/23 03:48

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	0.00531	0.00538	106	108	70.0-123			1.31	20
Toluene	0.00500	0.00503	0.00519	101	104	79.0-120			3.13	20
Ethylbenzene	0.00500	0.00503	0.00533	101	107	79.0-123			5.79	20
Total Xylenes	0.0150	0.0143	0.0153	95.3	102	79.0-123			6.76	20
(S) Toluene-d8				*109*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.1*	*95.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*103*	*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.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* 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 Analytical.

Company Name/Address:
DCP Midstream - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to: **Brett Dennis**

Email To: **knorman@tasman-geo.com;Stephen.Weathers@p66.com;bdennis**

Project Description: **Burton Flats Booster Station**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project #: **DCPTASMAN-BURTONFLAT**

Collected by (print): Kendon Stark

Site/Facility ID #

P.O. #: **0000661900**

Collected by (signature): Kendon Stark

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

Quote #

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 168821

E225

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P1038879**
PM: **824 - Chris Ward**
PB: CR 11-22-23

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-1	Grab	GW	NA	12/13/23	08:56	4	X	X			-01
MW-2		GW			09:14	4	X	X			-02
MW-3		GW			09:23	4	X	X			-03
MW-4		GW				4	X	X			
DUPLICATE		GW			—	4	X	X			-04
		GW				4	X	X			
TRIP BLANK		GW			13:11	3			X		-05

* 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 # 7074 8795 3358

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
Kendon Stark	12/13/23	13:27		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: DRY 18 °C 1.3 TO=1.3 Bottles Received: 16	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Alexa Mitchell	Date: 12/14/23 Time: 0900	Hold: Condition: NCF / OK

Appendix C

Sampling Notifications

From: Weathers, Stephen W
To: "Velez, Nelson, EMNRD"; mike.bratcher@state.nm.us
Subject: Notification of DCP 1st Quarter 2023 Groundwater Monitoring for SENM Remediation Projects

Nelson/Mike
This email is to serve as notification that Tasman will be conducting the 1st Quarter 2023 groundwater sampling event during March at several DCP Midstream remediation sites.
Below is the estimated sampling schedule

1st Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Comments/NMOCD Case Number
Tuesday, March 14-15, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	AP-114/Sampling
Thursday, March 16, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	2RP-799/Sampling
Thursday, March 16, 2023	12:00 PM	PCA Junction	Eddy	E and L	11	20S	30E	2RP-43/Sampling
Friday, March 17, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	AP-122/Sampling
Monday, March 20 - 21, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	AP-55/Sampling
Wednesday, March 22, 2023	8:00 AM	Linam Ranch	Lea	B	6	19S	37E	GW-015/Sampling

Let me know if you have any questions or concerns with the schedule.
Thanks
Steve Weathers, P.G.
Environmental Specialist
DCP Midstream, LP
6900 E. Layton Avenue - Suite 900
Denver, CO 80237
Cell 303.619.3042

From: Weathers, Stephen
To: "Velez, Nelson, EMNRD"; mike.bratcher@state.nm.us
Subject: Notification of DCP 2nd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects
Attachments: image001.png
image002.jpg
image004.png
image003.jpg

Nelson/Mike
This email is to serve as notification that Tasman will be conducting the 2nd Quarter 2023 groundwater sampling event during June at several DCP Midstream remediation sites.
Below is the estimated sampling schedule

2nd Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Field Activities
Monday, June 19-20, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	Sampling/O&M
Wednesday, June 21-22, 2023	8:00 AM	Lee Gas Plant	Lea	O	30	17S	35E	Sampling/O&M
Friday, June 23, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	Sampling
Monday, June 26, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	Sampling
Tuesday, June 27, 2023	8:00 AM	Monument Booster	Lea	B	33	19S	37E	Sampling
Wednesday, June 28, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	Sampling/EFR
Wednesday, June 28, 2023	12:00 PM	PCA Junction	Eddy	E and L	11	20S	30E	Sampling

Let me know if you have any questions or concerns with the schedule.
Thanks
Steve
PLEASE NOTE: My email has changed to Stephen.Weathers@P66.com effective April 29, 2023. Please update my email in your contacts and address list.

Steve Weathers, P.G.
Program Manager, Remediation Management

Phillips 66 | 6900 E. Layton Ave.| Suite 900
Denver, CO 80237-3658 | M: 303-619-3042
stephen.weathers@p66.com

From: Weathers, Stephen
To: Kyle Norman; Brett Dennis
Subject: FW: [EXTERNAL] Notification of DCP 3rd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects
Date: Wednesday, September 6, 2023 3:21:51 PM
Attachments: image002.png
image005.png
image001.jpg
Outlook-lmfq0qgu.png
image003.jpg
image004.jpg

See Nelson's comments below. We just need to let them know of any changes to the schedule. I would strictly adhere to your schedule if at all possible.

Steve Weathers, P.G.
Program Manager, Remediation Management

Phillips 66 | 6900 E. Layton Ave.| Suite 900
Denver, CO 80237-3658 | M: 303-619-3042
stephen.weathers@p66.com

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, September 6, 2023 2:19 PM
To: Weathers, Stephen <Stephen.Weathers@p66.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Notification of DCP 3rd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects

Stephen,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

Thanks again

Regards,

Nelson Velez ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Weathers, Stephen <Stephen.Weathers@p66.com>
Sent: Wednesday, September 6, 2023 1:50 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] Notification of DCP 3rd Quarter 2023 Groundwater Monitoring for SENM Remediation Projects

Nelson/Mike
This email is to serve as notification that Tasman will be conducting the 3rd Quarter 2023 groundwater sampling event during September at several DCP remediation sites.
Below is the estimated sampling schedule.

3nd Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Comments/NMOCD Case Number
Monday, September 18-19, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	AP-114/Sampling

Wednesday, September 20, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	AP-122/Sampling
Thursday, September 21, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	AP-55/Sampling
Friday, September 22, 2023	8:00 AM	Linam Ranch	Lea	B	6	19S	37E	GW-015/Sampling
Monday, September 25-27 2023	8:00 AM	Eldridge Ranch	Lea	P	21	19S	37E	AP-33/Sampling
Thursday, September 28, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	2RP-799/Sampling

Let me know if you have any questions or concerns with the schedule.

Thanks

Steve

Steve Weathers, P.G.
Program Manager, Remediation Management

Phillips 66 | 6900 E. Layton Ave.| Suite 900
Denver, CO 80237-3658 | M: 303-619-3042
stephen.weathers@p66.com

From: Weathers, Stephen
To: Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Kyle Norman; Brett Dennis
Subject: Notification of DCP 4th Quarter 2023 Groundwater Monitoring for SENM Remediation Projects
Date: Monday, November 27, 2023 8:21:23 AM
Attachments: image002.png
image004.png
image005.gif
image006.jpg
image001.jpg

Nelson/Mike
This email is to serve as notification that Tasman will be conducting the 4th Quarter 2023 groundwater sampling event during December at several DCP remediation sites.
Below is the estimated sampling schedule.

4th Quarter 2023								
Date	Time (Approximate)	Location	County	Unit Letter	Section	Township	Range	Comments/NMOCD Case Number
Monday, December 4 – 5, 2023	8:00 AM	Hobbs Booster Station	Lea	C and D	4	19S	38E	AP-114/Sampling
Wednesday, December 6-7, 2023	8:00 AM	Lee Gas Plant	Lea	O	30	17S	35E	GW-002/Sampling
Friday, December 8, 2023	8:00 AM	Hobbs Gas Plant	Lea	G	36	18S	36E	AP-122/Sampling
Monday, December 11, 2023	8:00 AM	RR Extension	Lea	C and F	19	20S	37E	AP-55/Sampling
Tuesday, December 12, 2023	8:00 AM	Monument Booster	Lea	B	33	19S	37E	1RP-156-0/Sampling
Wednesday, December 13, 2023	8:00 AM	Burton Flats	Eddy	D	1	21S	27E	2RP-799/Sampling
Wednesday, December 13, 2023	12:00 PM	PCA Junction	Eddy	E and L	11	20S	30E	2RP-43/Sampling

Let me know if you have any questions.

Thanks
Steve

Steve Weathers, P.G.
Program Manager, Remediation Management

Phillips 66 | 6900 E. Layton Ave.| Suite 900
Denver, CO 80237-3658 | M: 303-619-3042
stephen.weathers@p66.com

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 322076

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 322076
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring and Activities Summary Report for Burton Flats Booster Station: Content Satisfactory 1. Continue groundwater monitoring on a quarterly basis for all constituents 2. Continue to monitor and evaluate the LNAPL passive skimmer. 3. Continue EFR events 4. Submit the 2024 Annual Report by April 1, 2025.	6/20/2024