Third Quarter 2022 Groundwater Monitoring and Activities Summary Report

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

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1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the third quarter 2022 at the Burton Flats Booster Station (Site) in Eddy County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). Field activities were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and laboratory analytical results collected on September 19, 2022.

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 (bbls) of oil and produced water occurred on October 5, 2009, of which approximately 8 bbls were recovered from within the tank secondary containment area. The C-141 report was submitted on October 12, 2009, and Site investigation and soil sampling within the release area occurred during the third quarter of 2009 and early fourth quarter of 2010 (BH-1 through BH-5). Elevated levels of petroleum hydrocarbons within the soil were encountered at depths of 20-feet below ground surface (bgs). Groundwater was encountered between 16-feet and 20-feet bgs during Site characterization activities. Subsequent to soil investigation efforts, four groundwater monitoring wells were installed around and down-gradient from the release area during the fourth quarter of 2011 (MW-1 through MW-4). Elevated petroleum hydrocarbon concentrations in soil were observed during well installation. Consequently, two additional soil borings were completed to a depth of 20 feet bgs in the suspected source area (SB 11-1 and SB 11-2). Monitoring well locations are shown in Figure 2.

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

3. Groundwater Monitoring

This section describes the field and laboratory activities performed during the third quarter 2022 groundwater monitoring event. Quarterly monitoring activities were conducted on September 19, 2022, which included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network (MW-1 through MW-4) utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels are measured in order to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations of groundwater and LNAPL elevations at the Site. During the third quarter 2022, groundwater levels were measured at four (4) Site monitoring well locations (MW-1 through MW-4).

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

A third quarter 2022 groundwater elevation contour map, included as Figure 3, indicates that the groundwater gradient at the Site trends to the northeast which is consistent with the previous trends shifting from northwest to northeast. Although this is inconsistent with the trends between second quarter 2016 to first quarter 2019. It is suspected that an unchecked QA/QC error was made during the data entry in the second quarter 2016 and was not fixed during subsequent reports, leading to an irregular hydraulic gradient direction at the Site. The corrected groundwater elevation ranges, average elevation change from the previous monitoring event, and the calculated hydraulic gradient at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	Third Quarter 2022 (9/19/2022)
Maximum Elevation (Well ID)	3,176.66 ft (MW-3)
Minimum Elevation (Well ID)	3,174.36 ft (MW-4*)
Average Change from Previous Monitoring Event	-0.56 ft
Hydraulic Gradient / (Well IDs)	0.02 ft/ft (MW-3 to MW-4) 0.001 ft/ft (MW-3 to MW-1)

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

LNAPL was observed at MW-4 (0.16 feet) during the third quarter 2022, which is a decrease of 0.91 feet from the last groundwater event in the second quarter 2022 (Table 1). Historically, the presence of LNAPL at this location has fluctuated since 2015.

3.2 Groundwater Quality Monitoring

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

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

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

Table 2 summarizes BTEX and chloride concentrations in groundwater samples collected during the reporting period. Historical laboratory analytical results up to and including the September 2022 event are provided in Appendix A, and the laboratory analytical report for the third quarter 2022 event is included in Appendix B. The laboratory analytical results are also displayed on Figure 4.

Third quarter 2022 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected above the NMWQCC groundwater standard of 0.005 mg/L in the duplicate for MW-1 (0.0175 mg/L). MW-4 was not sampled due to the presence of LNAPL (0.16 ft).
- Toluene was not detected above the laboratory sample detection limit (SDL) in any of the sampled Site monitoring wells.
- Ethylbenzene was detected above laboratory SDLs in monitor wells MW-1 and its duplicate. The detected concentrations of ethylbenzene were below the NMWQCC groundwater standard of 0.70 mg/L.
- Total xylenes were not detected above the laboratory SDL in any of the sampled Site monitoring wells.
- Chlorides were detected at concentrations greater than the NMWQCC secondary maximum contaminant level (MCL) of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 431 mg/L at MW-3 to 2,380 mg/L at 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 the third quarter 2022 include the following:

- Target analytes were not detected above laboratory detection limits in the trip blank.

- The parent sample collected from MW-1 and the associated duplicate sample exhibited benzene concentrations of 0.00469 mg/L and 0.0175 mg/L, respectively, yielding a relative percent difference (RPD) of 115.48 percent (%) which is outside the target range of 20%.
- Subsequent to collection of the third quarter 2022 groundwater samples, the sample transport coolers were properly packaged with ice and shipped to Pace laboratory in Mount Juliet, Tennessee with priority overnight shipping. All coolers were received within laboratory temperature specifications as well as Chain of Custody (COC) forms properly executed.

Based on the data review, the QA/QC assessment indicates that overall data precision and accuracy are within acceptable limits despite monitor well MW-1 and its duplicate's RPD being outside of the 20% target range.

4. Remediation Activities

Remediation activities conducted during the third quarter 2022 reporting period include vacuum enhanced fluid recovery (EFR) activities. EFR events were initiated in December 2014 and began on a routine frequency at monitoring wells MW-1 and MW-4. EFR events are scheduled to continue, pending observation of the effectiveness of the effort in addressing persistent free phase and dissolved phase petroleum hydrocarbons on-Site.

One third quarter 2022 EFR event was conducted at the site on September 19, 2022, which included application of high vacuum (utilizing a vacuum truck) at MW-1 and MW-4 through flexible hosing inserted into each well. The stingers were placed slightly below the current groundwater level to facilitate removal of groundwater, LNAPL, and vapors from the subsurface. Approximately 30 bbls (1,260 gallons) of fluid were recovered during the third quarter 2022 EFR event.

A passive LNAPL skimmer was installed in MW-4 in an effort to collect and dispose of free-phase liquids in between groundwater sampling and EFR events. Between the second quarter 2022 and third quarter 2022 sampling and EFR events, the skimmer did not collect approximately any volume of product, likely due to being installed at an improper depth The passive LNAPL skimmer was reinstalled after the third quarter 2022 EFR event at an appropriate depth.

5. Conclusions

Evaluation of the third quarter 2022 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 second quarter 2022 with an average decrease of 0.56 ft per monitoring well.
- LNAPL was observed at monitoring well MW-4 during the third quarter 2022. The presence of LNAPL at this location has historically fluctuated since 2015.
- Benzene was detected at a concentration greater than the NMWQCC maximum allowable concentration standards in the monitor well MW-1 duplicate sample (0.0175 mg/L). No other BTEX constituents were detected above NMWQCC standards at the Site monitoring wells.

- Chloride concentrations were above the NMWQCC MCL at all sampled Site monitoring wells.

6. Recommendations

Based on evaluation of third quarter 2022 and historical Site monitoring results, recommendations for future activities include:

- Continue quarterly groundwater monitoring and sampling at the monitoring locations illustrated on Figure 2.
- Continue monitoring and evaluation of the passive LNAPL skimmer and recovery system.
- Continue quarterly EFR event(s) at monitoring wells MW-1 and MW-4 during the fourth quarter 2022.

Tables

TABLE 1
THIRD QUARTER 2022
SUMMARY OF GROUNDWATER ELEVATION DATA
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (LNAPL) (feet)	Total Depth (feet)	TOC Elevation (feet amsl) (2)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event [1] (feet)
MW-1	12/21/2021	21.55			31.82	3197.65	3176.10	-0.71
MW-1	3/23/2022	20.51			31.82	3197.65	3177.14	1.04
MW-1	6/24/2022	21.10			31.82	3197.65	3176.55	-0.59
MW-1	9/19/2022	21.13			31.82	3197.65	3176.52	-0.03
MW-2	12/21/2021	22.90			32.87	3200.00	3177.10	0.08
MW-2	3/23/2022	22.89			32.87	3200.00	3177.11	0.01
MW-2	6/24/2022	23.27			32.87	3200.00	3176.73	-0.38
MW-2	9/19/2022	23.49			32.87	3200.00	3176.51	-0.22
MW-3	12/21/2021	23.53			34.25	3200.84	3177.31	0.04
MW-3	3/23/2022	23.54			34.25	3200.84	3177.30	-0.01
MW-3	6/24/2022	23.80			34.25	3200.84	3177.04	-0.26
MW-3	9/19/2022	24.18			34.25	3200.84	3176.66	-0.38
MW-4	12/21/2021	25.40	24.85	0.55	31.93	3200.98	3176.02	0.01
MW-4	3/23/2022	24.66	23.74	0.92	31.93	3200.98	3177.05	1.03
MW-4	6/24/2022	25.85	24.78	1.07	31.93	3200.98	3175.98	-1.07
MW-4	9/19/2022	26.75	26.59	0.16	31.93	3200.98	3174.36	-1.62
						Average change in groundwater elevation (6/24/2022 to 9/19/2022)		-0.56

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
THIRD QUARTER 2022
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	9/19/2022	0.00469	<0.00100	0.000982 J	<0.00300	**748**	
MW-1 (Duplicate)	9/19/2022	**0.0175**	<0.00100	0.00247	<0.00300	**732**	
MW-2	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,380**	
MW-3	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	**431**	
MW-4	9/19/2022	Not Sampled - LNAPL					LNAPL (0.16')
Trip Blank	9/19/2022	<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 (SMCI 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

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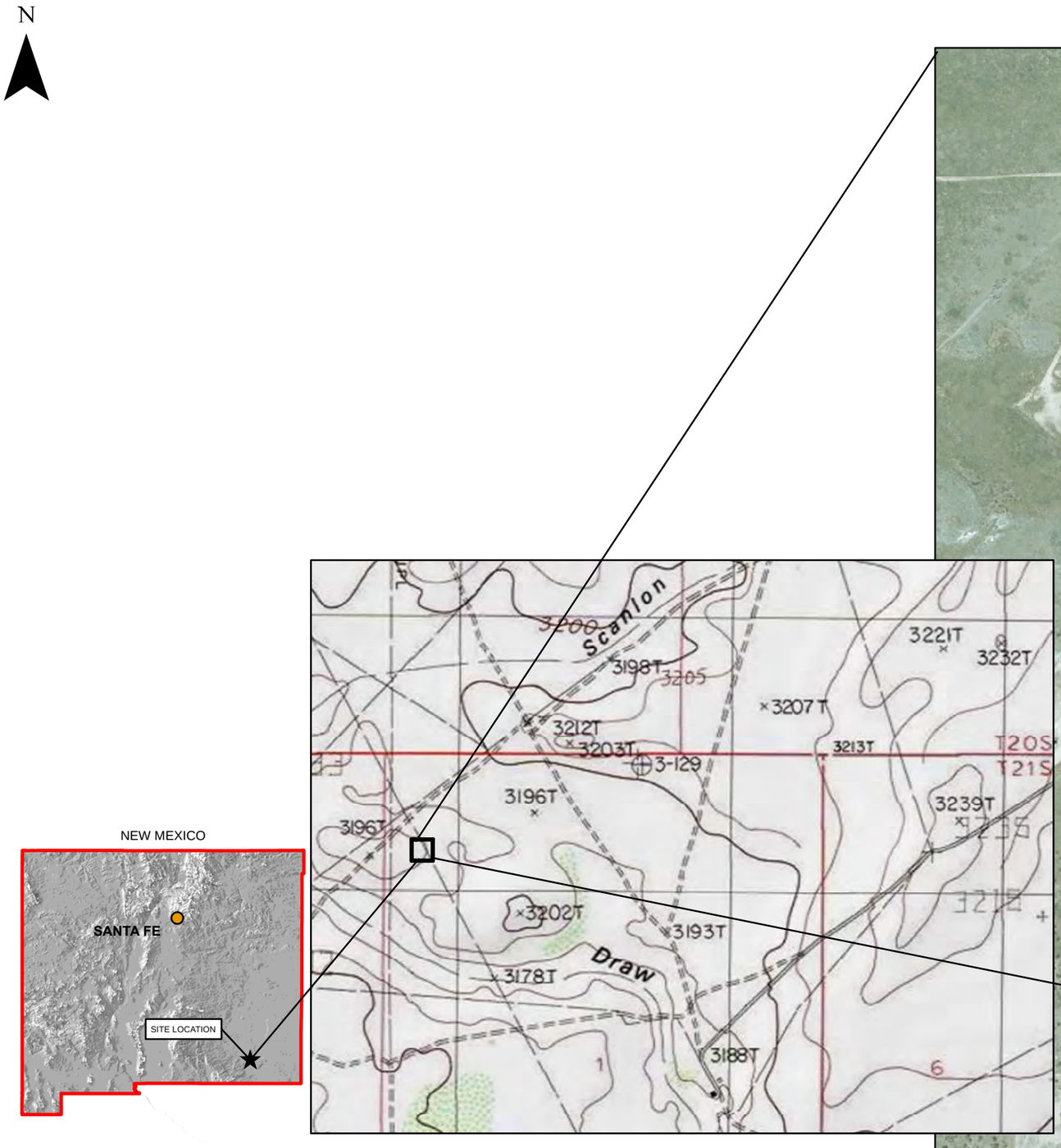
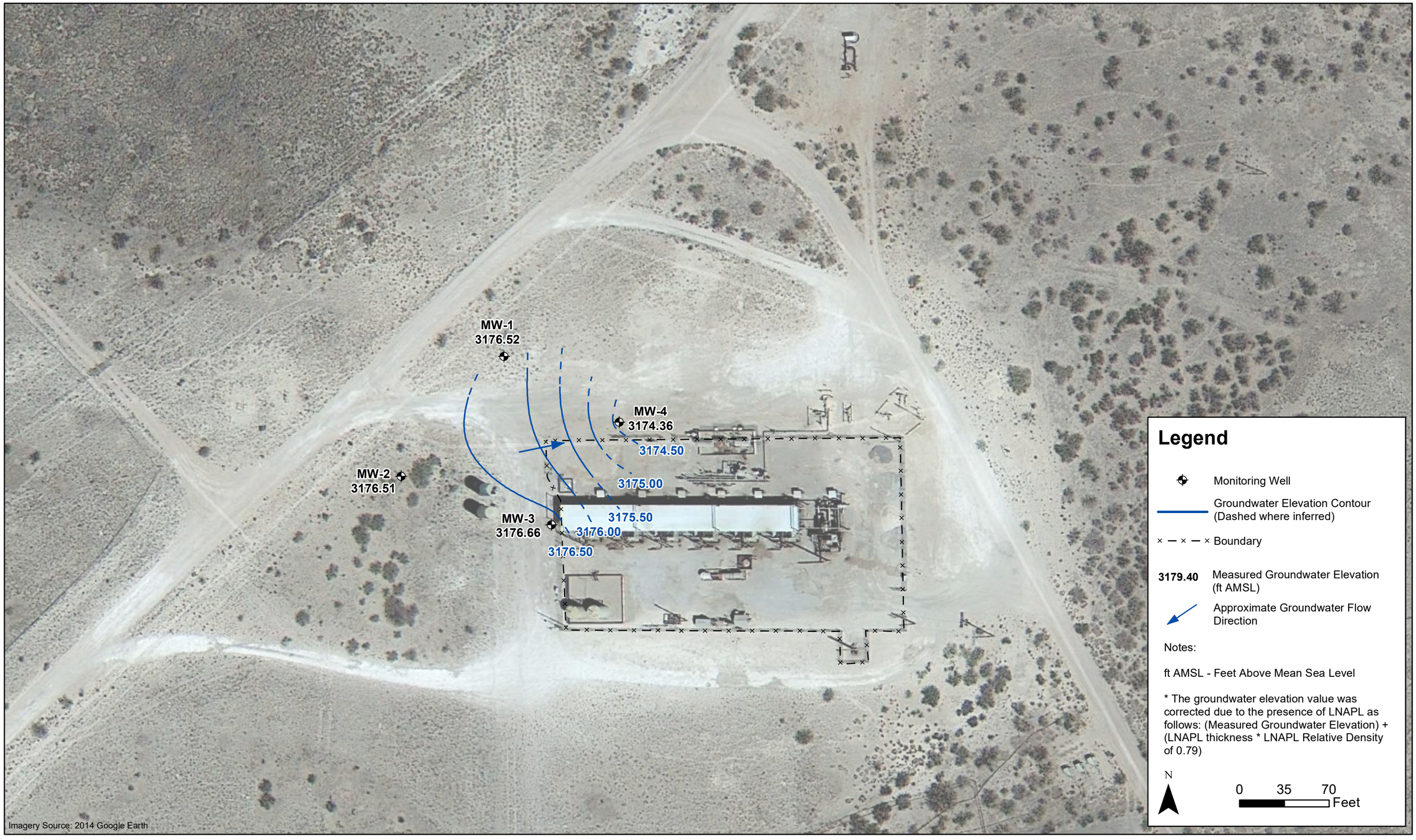
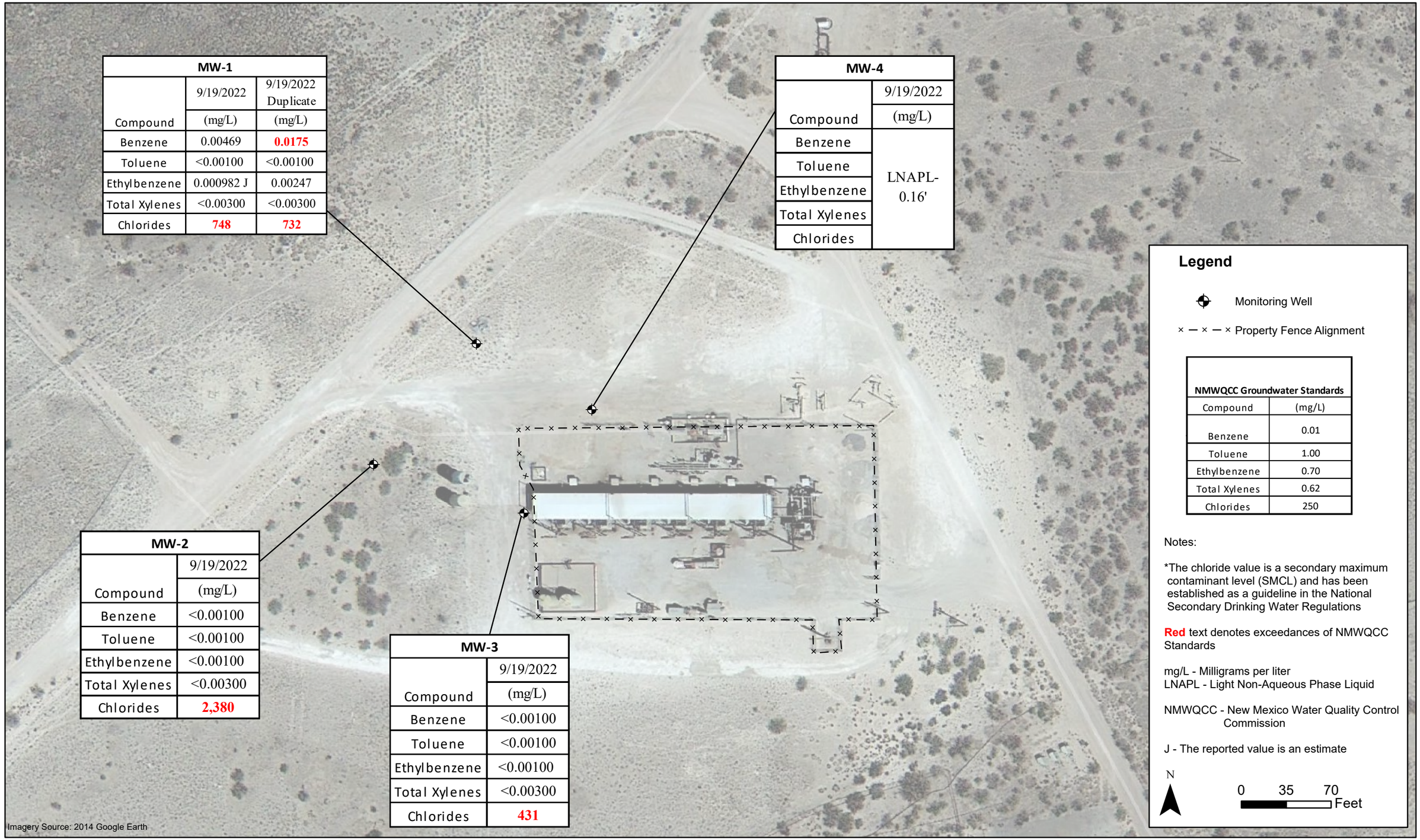


DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** Lots 4 and 5, Section 1, Township 21 South, Range 27 East Eddy County, New Mexico	Site Location Map	Figure 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: January 2023 DESIGNED BY: J. Watts DRAWN BY: L. Reed	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** Third Quarter 2022 Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (September 19, 2022)	Figure 3



DATE: January 2023 DESIGNED BY: J. Watts DRAWN BY: L. Reed	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Burton Flats Booster Station** Third Quarter 2022 Groundwater Monitoring Summary Report	Analytical Results Map (September 19, 2022)	Figure 4

Appendix A

Historical Analytical Results

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	12/14/2011	**0.140**	0.0034	0.200	0.111	**665**	Duplicate sample collected
MW-1	4/26/2012	**0.153**	<0.001	0.229	0.0073	**584**	
MW-1	6/20/2012	**0.0967**	<0.001	0.284	0.0474	**651**	Duplicate sample collected
MW-1	9/26/2012	**0.0615**	<0.001	0.0803	0.0015	**590**	
MW-1	12/5/2012	**0.020**	<0.001	0.17	0.037	**599**	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	**668**	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	**703**	Duplicate sample collected
MW-1	9/11/2013	Not Sampled - LNAPL					
MW-1	12/3/2013	Not Sampled - LNAPL					
MW-1	2/26/2014	Not Sampled - LNAPL					
MW-1	6/2/2014	Not Sampled - LNAPL					
MW-1	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-1	12/3/2014	Not Sampled - LNAPL					
MW-1	2/27/2015	Not Sampled - LNAPL					
MW-1	6/2/2015	Not Sampled - LNAPL					
MW-1	8/31/2015	Not Sampled - LNAPL					
MW-1	12/15/2015	Not Sampled - LNAPL					
MW-1	3/21/2016	**0.0450**	<0.0010	0.080	0.010	**685**	
MW-1	6/20/2016	**0.082**	<0.0010	0.10	0.0072	**700**	
MW-1	9/26/2016	**0.035**	<0.0050	0.033	<0.015	**705**	
MW-1	12/19/2016	**0.051**	<0.0010	0.040	0.0035	**769**	
MW-1	3/6/2017	**0.044**	<0.0010	0.025	0.0012	**733**	Duplicate sample collected
MW-1 (Duplicate)	3/6/2017	**0.054**	<0.0010	0.035	0.0014	**740**	
MW-1	6/19/2017	**0.043**	<0.0010	0.020	<0.0010	**671**	
MW-1	9/27/2017	0.00867	<0.0010	0.00359	<0.0030	**649**	Duplicate Sample Collected
MW-1 (Duplicate)	9/27/2017	0.00958	<0.0010	0.00389	<0.0030	**608**	
MW-1	12/18/2017	**0.0204**	<0.0010	0.00522	<0.0030	**679**	Duplicate Sample Collected
MW-1 (Duplicate)	12/18/2017	**0.0179**	<0.0010	0.00502	<0.0030	**778**	
MW-1	3/12/2018	**0.0299**	<0.0010	0.0199	0.00114 J	**764**	Duplicate Sample Collected
MW-1 (Duplicate)	3/12/2018	**0.0399**	<0.0010	0.0230	<0.0030	**770**	
MW-1	6/25/2018	**0.0255**	<0.0010	0.0255	<0.0030	**623**	Duplicate Sample Collected
MW-1 (Duplicate)	6/25/2018	**0.0281**	<0.0010	0.0277	<0.0030	**632**	
MW-1	9/17/2018	**0.0115**	<0.0010	0.0063	<0.0030	**668**	Duplicate Sample Collected
MW-1 (Duplicate)	9/17/2018	**0.0105**	<0.0010	0.0060	<0.0030	**641**	
MW-1	12/10/2018	0.000641 J	<0.0010	0.00115	<0.0030	**1,180**	Duplicate Sample Collected
MW-1 (Duplicate)	12/10/2018	0.000712 J	<0.0010	0.00126	<0.0030	**1,230**	
MW-1	3/21/2019	0.0018	<0.0010	0.00159	<0.0030	**667**	Duplicate Sample Collected
MW-1 (Duplicate)	3/21/2019	0.0026	<0.0010	0.00144	<0.0030	**680**	
MW-1	6/13/2019	**0.0316**	<0.0010	0.0232	<0.0030	**774**	Duplicate Sample Collected
MW-1 (Duplicate)	6/13/2019	**0.0294**	<0.0010	0.0216	<0.0030	**768**	
MW-1	9/17/2019	0.00456	<0.0010	0.00219	<0.0030	**654**	Duplicate Sample Collected
MW-1 (Duplicate)	9/17/2019	0.0059	<0.0010	0.00272	<0.0030	**768**	
MW-1	12/9/2019	0.00713	<0.0010	0.00789	0.00161 J	**681**	Duplicate Sample Collected
MW-1 (Duplicate)	12/9/2019	0.00772	<0.0010	0.00827	0.00166 J	**684**	
MW-1	6/19/2020	**0.02780**	<0.0010	0.01900	0.00160 J	**908**	Duplicate Sample Collected
MW-1 (Duplicate)	6/19/2020	**0.02770**	<0.0010	0.01870	0.00139 J	**927**	
MW-1	9/15/2020	**0.03230**	<0.00100	0.01110	0.000948 J	**771**	Duplicate Sample Collected
MW-1 (Duplicate)	9/15/2020	**0.03370**	<0.00100	0.01260	0.00111 J	**751**	
MW-1	12/11/2020	**0.0439**	<0.00100	0.0247	0.00770	**743**	Duplicate Sample Collected
MW-1 (Duplicate)	12/11/2020	**0.0445**	<0.00100	0.0248	0.00769	**734**	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-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**	
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**	
MW-1 (Duplicate)	9/19/2022	**0.0175**	<0.00100	0.0025	<0.00300	**732**	
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**	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-2	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,380**	
MW-2	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,860**	
MW-2	9/17/2019	<0.0010	<0.0010	<0.0010	<0.0030	**2,380**	
MW-2	12/9/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,870**	
MW-2	6/19/2020	<0.0010	<0.0010	<0.0010	<0.0030	**2,220**	
MW-2	9/15/2020	<0.0010	<0.0010	<0.0010	<0.0030	**2,650**	
MW-2	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**2,160**	
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-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**	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-3	6/19/2020	0.000240 J	<0.0010	<0.0010	<0.0030	**372**	
MW-3	9/15/2020	0.000102 J	<0.0010	<0.0010	<0.0030	**403**	
MW-3	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**420**	
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-4	4/26/2012	Not Sampled - LNAPL					
MW-4	6/20/2012	Not Sampled - LNAPL					
MW-4	9/26/2012	Not Sampled - LNAPL					
MW-4	12/5/2012	Not Sampled - LNAPL					
MW-4	2/21/2013	Not Sampled - LNAPL					
MW-4	6/3/2013	Not Sampled - LNAPL					
MW-4	9/11/2013	Not Sampled - LNAPL					
MW-4	12/3/2013	Not Sampled - LNAPL					
MW-4	2/26/2014	Not Sampled - LNAPL					
MW-4	6/2/2014	Not Sampled - LNAPL					
MW-4	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-4	12/3/2014	Not Sampled - LNAPL					
MW-4	2/27/2015	Not Sampled - LNAPL					
MW-4	6/2/2015	Not Sampled - LNAPL					
MW-4	8/31/2015	Not Sampled - LNAPL					
MW-4	12/15/2015	Not Sampled - 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	Not Sampled - LNAPL					LNAPL (0.18 feet)
MW-4	9/17/2018	Not Sampled - LNAPL					LNAPL (0.5 feet)
MW-4	12/10/2018	Not Sampled - LNAPL					LNAPL (0.59 feet)
MW-4	3/21/2019	Not Sampled - LNAPL					LNAPL (0.65 feet)
MW-4	6/13/2019	Not Sampled - LNAPL					LNAPL (0.55 feet)
MW-4	9/17/2019	Not Sampled - LNAPL					LNAPL (0.23 feet)
MW-4	12/9/2019	Not Sampled - LNAPL					LNAPL (0.39 feet)
MW-4	6/19/2020	Not Sampled - LNAPL					LNAPL (0.45 feet)
MW-4	9/15/2020	Not Sampled - LNAPL					LNAPL (0.20 feet)
MW-4	12/11/2020	Not Sampled - LNAPL					LNAPL (0.25 feet)
MW-4	3/24/2021	Not Sampled - LNAPL					LNAPL
MW-4	6/18/2021	Not Sampled - LNAPL					LNAPL (0.25 feet)
MW-4	9/24/2021	Not Sampled - LNAPL					LNAPL (0.60 feet)
MW-4	12/21/2021	Not Sampled - LNAPL					LNAPL
MW-4	3/23/2022	Not Sampled - LNAPL					LNAPL
MW-4	6/24/2022	Not Sampled - LNAPL					LNAPL (1.07')

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-4	9/19/2022	Not Sampled - LNAPL					LNAPL (0.16')
Trip Blank	6/2/2014	<0.001	<0.001	<0.001	<0.001	NA	
Trip Blank	12/3/2014	<0.001	<0.001	<0.001	<0.001	NA	
Trip Blank	2/27/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	6/2/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	8/31/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	12/15/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/17/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/9/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/19/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/15/2020	0.000104 J	<0.0010	<0.0010	0.000235 J	NA	
Trip Blank	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
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	

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

Appendix B

Laboratory Analytical Report

- Pace Analytical Report #: L1537699

Pace Analytical®

ANALYTICAL REPORT

September 27, 2022

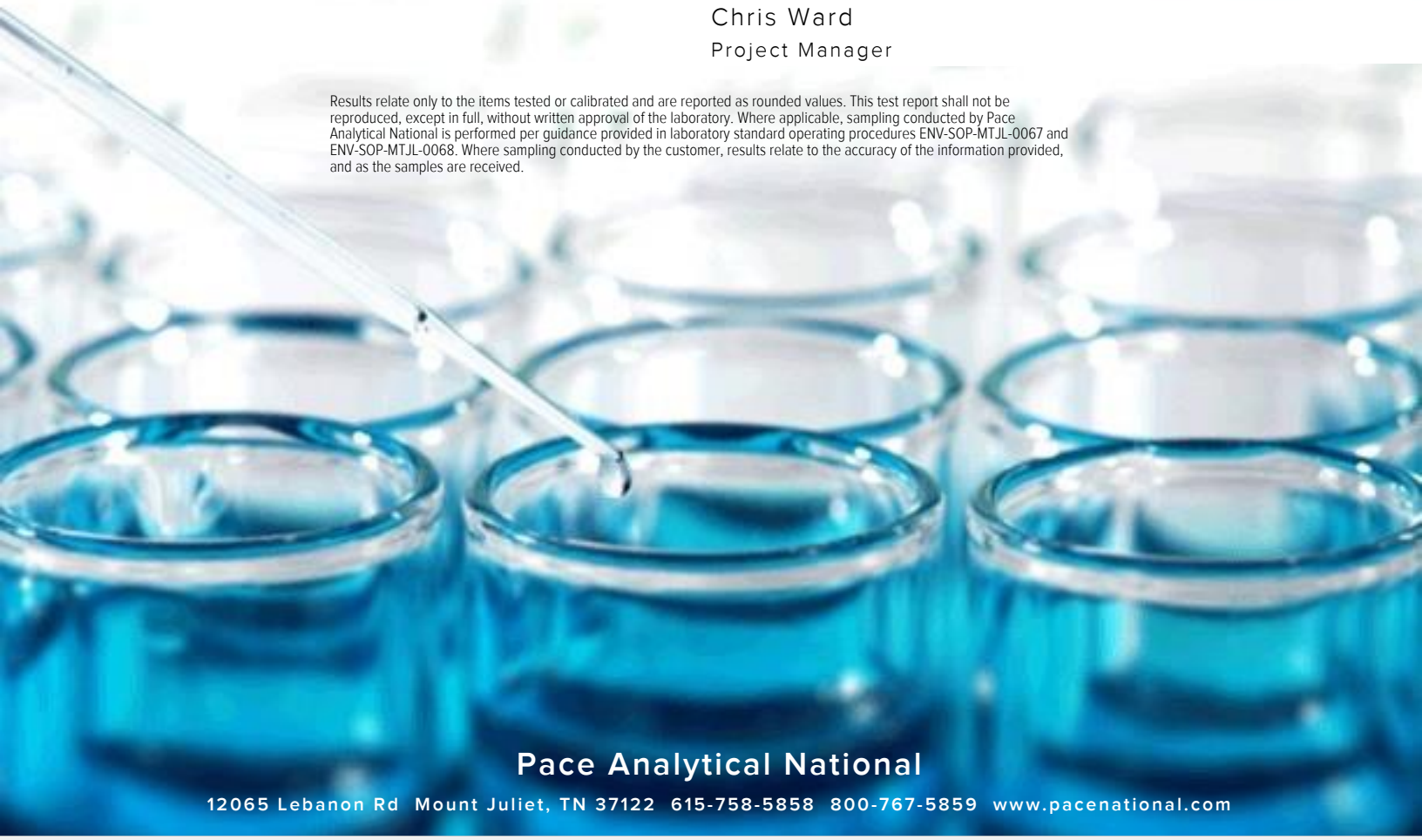
DCP Midstream - Tasman

Sample Delivery Group:	L1537699
Samples Received:	09/20/2022
Project Number:	
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

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MW-1 L1537699-01 GW

Collected by: Brett Dennis | Collected date/time: 09/19/22 11:09 | Received date/time: 09/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1929666	10	09/21/22 18:05	09/21/22 18:05	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1931143	1	09/24/22 01:36	09/24/22 01:36	ADM	Mt. Juliet, TN

MW-2 L1537699-02 GW

Collected by: Brett Dennis | Collected date/time: 09/19/22 11:04 | Received date/time: 09/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1929666	100	09/21/22 18:41	09/21/22 18:41	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1931143	1	09/24/22 01:55	09/24/22 01:55	ADM	Mt. Juliet, TN

MW-3 L1537699-03 GW

Collected by: Brett Dennis | Collected date/time: 09/19/22 10:38 | Received date/time: 09/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1929666	10	09/21/22 18:59	09/21/22 18:59	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1931143	1	09/24/22 02:14	09/24/22 02:14	ADM	Mt. Juliet, TN

DUPLICATE L1537699-04 GW

Collected by: Brett Dennis | Collected date/time: 09/19/22 00:00 | Received date/time: 09/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1929666	10	09/21/22 19:17	09/21/22 19:17	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1931143	1	09/24/22 02:33	09/24/22 02:33	ADM	Mt. Juliet, TN

TRIP BLANK L1537699-05 GW

Collected by: Brett Dennis | Collected date/time: 09/19/22 00:00 | Received date/time: 09/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1931143	1	09/24/22 01:16	09/24/22 01:16	ADM	Mt. Juliet, TN

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

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	748		3.79	10.0	10	09/21/2022 18:05	WG1929666

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	0.00469		0.0000941	0.00100	1	09/24/2022 01:36	WG1931143
Toluene	U		0.000278	0.00100	1	09/24/2022 01:36	WG1931143
Ethylbenzene	0.000982	J	0.000137	0.00100	1	09/24/2022 01:36	WG1931143
Total Xylenes	U		0.000174	0.00300	1	09/24/2022 01:36	WG1931143
(S) Toluene-d8	*112*			*80.0-120*		*09/24/2022 01:36*	WG1931143
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*09/24/2022 01:36*	WG1931143
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*09/24/2022 01:36*	WG1931143

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2380		37.9	100	100	09/21/2022 18:41	WG1929666

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/24/2022 01:55	WG1931143
Toluene	U		0.000278	0.00100	1	09/24/2022 01:55	WG1931143
Ethylbenzene	U		0.000137	0.00100	1	09/24/2022 01:55	WG1931143
Total Xylenes	U		0.000174	0.00300	1	09/24/2022 01:55	WG1931143
(S) Toluene-d8	*114*			*80.0-120*		*09/24/2022 01:55*	WG1931143
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*09/24/2022 01:55*	WG1931143
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*09/24/2022 01:55*	WG1931143

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 mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	431		3.79	10.0	10	09/21/2022 18:59	WG1929666

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	09/24/2022 02:14	WG1931143
Toluene	U		0.000278	0.00100	1	09/24/2022 02:14	WG1931143
Ethylbenzene	U		0.000137	0.00100	1	09/24/2022 02:14	WG1931143
Total Xylenes	U		0.000174	0.00300	1	09/24/2022 02:14	WG1931143
(S) Toluene-d8	*111*			*80.0-120*		*09/24/2022 02:14*	WG1931143
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*09/24/2022 02:14*	WG1931143
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*09/24/2022 02:14*	WG1931143

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	732		3.79	10.0	10	09/21/2022 19:17	WG1929666

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	0.0175		0.0000941	0.00100	1	09/24/2022 02:33	WG1931143
Toluene	U		0.000278	0.00100	1	09/24/2022 02:33	WG1931143
Ethylbenzene	0.00247		0.000137	0.00100	1	09/24/2022 02:33	WG1931143
Total Xylenes	U		0.000174	0.00300	1	09/24/2022 02:33	WG1931143
(S) Toluene-d8	*112*			*80.0-120*		*09/24/2022 02:33*	WG1931143
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*09/24/2022 02:33*	WG1931143
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*09/24/2022 02:33*	WG1931143

SAMPLE RESULTS - 05

TRIP BLANK
Collected date/time: 09/19/22 00:00

L1537699

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	09/24/2022 01:16	WG1931143
Toluene	U		0.000278	0.00100	1	09/24/2022 01:16	WG1931143
Ethylbenzene	U		0.000137	0.00100	1	09/24/2022 01:16	WG1931143
Total Xylenes	U		0.000174	0.00300	1	09/24/2022 01:16	WG1931143
(S) Toluene-d8	*114*			*80.0-120*		*09/24/2022 01:16*	WG1931143
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*09/24/2022 01:16*	WG1931143
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*09/24/2022 01:16*	WG1931143

Method Blank (MB)

(MB) R3840425-1 09/21/22 10:07

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

L1537659-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1537659-01 09/21/22 16:00 • (DUP) R3840425-5 09/21/22 16:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	36.5	36.2	10	0.854		15

L1537715-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1537715-07 09/21/22 23:45 • (DUP) R3840425-7 09/22/22 00:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.566	0.581	1	2.56	J	15

Laboratory Control Sample (LCS)

(LCS) R3840425-2 09/21/22 10:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	37.9	94.8	80.0-120	

L1537637-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1537637-01 09/21/22 15:07 • (MS) R3840425-3 09/21/22 15:24 • (MSD) R3840425-4 09/21/22 15:42

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	17.7	67.6	66.8	99.7	98.2	1	80.0-120			1.16	15

L1537715-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1537715-06 09/21/22 22:34 • (MS) R3840425-6 09/21/22 22:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	53.7	103	98.5	1	80.0-120	

Method Blank (MB)

(MB) R3841591-3 09/24/22 00:57

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	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

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

(LCS) R3841591-1 09/24/22 00:00 • (LCSD) R3841591-2 09/24/22 00:19

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	0.00503	0.00522	101	104	70.0-123			3.71	20
Toluene	0.00500	0.00483	0.00492	96.6	98.4	79.0-120			1.85	20
Ethylbenzene	0.00500	0.00462	0.00486	92.4	97.2	79.0-123			5.06	20
Xylenes, Total	0.0150	0.0136	0.0143	90.7	95.3	79.0-123			5.02	20
(S) Toluene-d8				*111*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.1*	*99.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*119*	*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): **Brett Dennis**

Site/Facility ID #

P.O. # **0000524217**

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 125mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
MW-1		GW		9/19/22	11:09	4	X	X									-01
MW-2		GW		9/19/22	11:04	4	X	X									-02
MW-3		GW		9/19/22	10:38	4	X	X									-03
MW-4		GW															
DUPLICATE		GW		9/19/22	—	4	X	X									-04
		GW															
TRIP BLANK		GW				1											-05

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 # 1537699
G071

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P948976**
PM: **824 - Chris Ward**
PB: **9/2/22 cam**
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 X Courier _____

Tracking # 5082 7556 0120

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: X Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No NCF / MeoH TBR	
Brett Dennis	9/19/22 16:00	16:00		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5AA 7 °C 1.4+0=1.4	Bottles Received: 12
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/20/22	Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Review of 4th Quarter 2022 Groundwater Monitoring and Activities Summary Report: **Content satisfactory**

1. Continue with the recommendations presented in this report.
2. Reporting frequency changed from quarterly to annually. Submit next report to OCD no later than April 1, 2024.

4th Quarter 2022 Groundwater Monitoring and Activities Summary Report

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

Prepared for:

6900 E. Layton Ave., Suite 900
Denver, CO 80237-3658

Prepared by:

6855 W. 119th Ave.
Broomfield, Colorado 80020

March 13, 2023

Table of Contents

1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during the 4th Quarter 2022 at the Burton Flats Booster Station (Site) in Eddy County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). Field activities were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and laboratory analytical results collected on December 7, 2022.

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 during the 4th Quarter 2022 groundwater monitoring event. Quarterly monitoring activities were conducted on December 7, 2022, which included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network (MW-1 through MW-4) utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels are measured in order to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations of groundwater and LNAPL elevations at the Site. During the 4th Quarter 2022, groundwater levels were measured at four (4) Site monitoring well locations (MW-1 through MW-4).

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data 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 4th Quarter 2022 groundwater elevation contour map, included as Figure 3, 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

	4th Quarter 2022 (12/7/2022)
Maximum Elevation (Well ID)	3,176.99 ft (MW-1)
Minimum Elevation (Well ID)	3,176.33 ft (MW-4*)
Average Change from Previous Monitoring Event	+0.67 ft
Hydraulic Gradient / (Well IDs)	0.003 ft/ft (MW-3 to MW-4)

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

Measurable LNAPL was not observed at monitor well MW-4 during the 4th Quarter 2022, but a sheen was observed on the bailer confirming the presence of trace LNAPL. This represents a decrease from the 0.16 feet of LNAPL measured during the last groundwater event in the 3rd Quarter 2022 (Table 1). Historically, the presence of LNAPL at this location has fluctuated since 2015.

3.2 Groundwater Quality Monitoring

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

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

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

Table 2 summarizes BTEX and chloride concentrations in groundwater samples collected during the reporting period. Historical laboratory analytical results up to and including the December 2022 event are provided in Appendix A, and the laboratory analytical report for the 4th Quarter 2022 event is included in Appendix B. The laboratory analytical results are also displayed on Figure 4.

4th Quarter 2022 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene was detected in MW-1, MW-1 Duplicate, and MW-3; however, the levels were below the NMWQCC groundwater standard of 0.005 mg/L (effective 7/1/2020). MW-4 was not sampled due to the presence of LNAPL.
- 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 but below the reported detection limit (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 were not detected above the laboratory MDL in any of the sampled Site monitoring wells.
- Chloride was 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 436 mg/L at monitor well MW-3 to 2,380 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 the 4th Quarter 2022 include the following:

- Target analytes were not detected above laboratory detection limits in the trip blank.
- The parent sample collected from MW-1 and the associated duplicate sample exhibited benzene concentrations of 0.00483 mg/L and 0.00416 mg/L, respectively, yielding a relative percent difference (RPD) of 14.9 percent (%) which is within the target range of 20%.

- Subsequent to collection of the 4th Quarter 2022 groundwater samples, the sample transport coolers were properly packaged with ice and shipped to Pace laboratory in Mount Juliet, Tennessee with priority overnight shipping. All coolers were received within laboratory temperature specifications as well as Chain of Custody (COC) forms properly executed.

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

4. Remediation Activities

Remediation activities conducted during the 4th Quarter 2022 reporting period include vacuum enhanced fluid recovery (EFR) activities. EFR events were initiated in December 2014 and began on a routine frequency at monitoring wells MW-1 and MW-4. EFR events are scheduled to continue, pending observation of the effectiveness of the effort in addressing persistent free phase and dissolved phase petroleum hydrocarbons on-Site.

One 4th Quarter 2022 EFR event was conducted at the site on December 13, 2022, which included application of high vacuum (utilizing a vacuum truck) at MW-1 and MW-4 through flexible hosing inserted into each well. The stingers were placed slightly below the current groundwater level to facilitate removal of groundwater, LNAPL, and vapors from the subsurface. Approximately 12 bbls (504 gallons) of fluid were recovered during the 4th Quarter 2022 EFR event.

A passive LNAPL skimmer was installed in MW-4 in an effort to collect and dispose of free-phase liquids in between groundwater sampling and EFR events. Between the 3rd and 4th Quarter 2022 sampling and EFR events, the skimmer collected approximately 0.1 gallons of product. The passive LNAPL skimmer was reinstalled after the 4th Quarter 2022 EFR event.

5. Conclusions

Evaluation of the 4th Quarter 2022 monitoring data and historical information provides the following general observations:

- Groundwater elevations at the Site indicated an overall increase compared to the levels that were observed during the 3rd Quarter 2022 with an average increase of 0.67 ft per monitoring well.
- LNAPL was observed at monitoring well MW-4 during the 4th Quarter 2022. 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 4th Quarter 2022 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 event at MW-4 during the 1st Quarter 2023.
- Discontinue quarterly EFR event at MW-1 to determine its effectiveness on dissolved phase hydrocarbon abatement.

Tables

TABLE 1
4th QUARTER 2022
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	3/23/2022	20.51			31.82	3197.65	3,177.14	1.04
MW-1	6/24/2022	21.10			31.82	3197.65	3,176.55	-0.59
MW-1	9/19/2022	21.13			31.82	3197.65	3,176.52	-0.03
MW-1	12/7/2022	20.66			33.14	3197.65	3,176.99	0.47
MW-2	3/23/2022	22.89			32.87	3200.00	3,177.11	0.01
MW-2	6/24/2022	23.27			32.87	3200.00	3,176.73	-0.38
MW-2	9/19/2022	23.49			32.87	3200.00	3,176.51	-0.22
MW-2	12/7/2022	23.34			32.70	3200.00	3,176.66	0.15
MW-3	3/23/2022	23.54			34.25	3200.84	3,177.30	-0.01
MW-3	6/24/2022	23.80			34.25	3200.84	3,177.04	-0.26
MW-3	9/19/2022	24.18			34.25	3200.84	3,176.66	-0.38
MW-3	12/7/2022	24.02			34.39	3200.84	3,176.82	0.16
MW-4	3/23/2022	24.66	23.74	0.92	31.93	3200.98	3,177.05	1.03
MW-4	6/24/2022	25.85	24.78	1.07	31.93	3200.98	3,175.98	-1.07
MW-4	9/19/2022	26.75	26.59	0.16	31.93	3200.98	3,174.36	-1.62
MW-4	12/7/2022	24.73			33.04	3200.98	3,176.25	1.89
							Average change in groundwater elevation (9/19/2022 to 12/7/2022)	0.67

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.

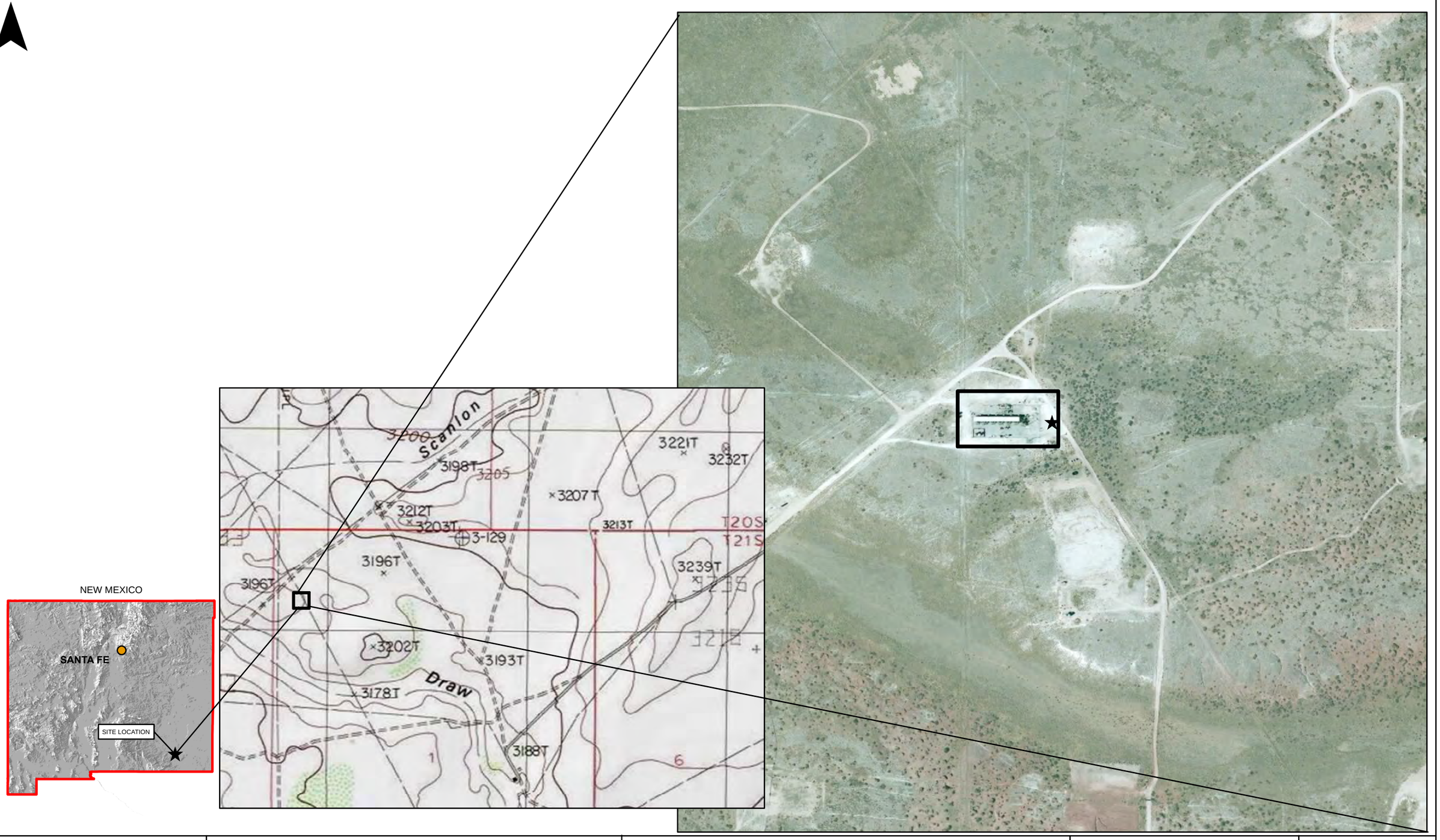
TABLE 2
4th QUARTER 2022
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	12/7/2022	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-2	12/7/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,380**	
MW-3	12/7/2022	0.000191 J	<0.00100	<0.00100	<0.00300	**436**	
MW-4	12/7/2023	Not Sampled - Historical LNAPL					
Trip Blank	12/7/2023	<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 (SMCI) 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

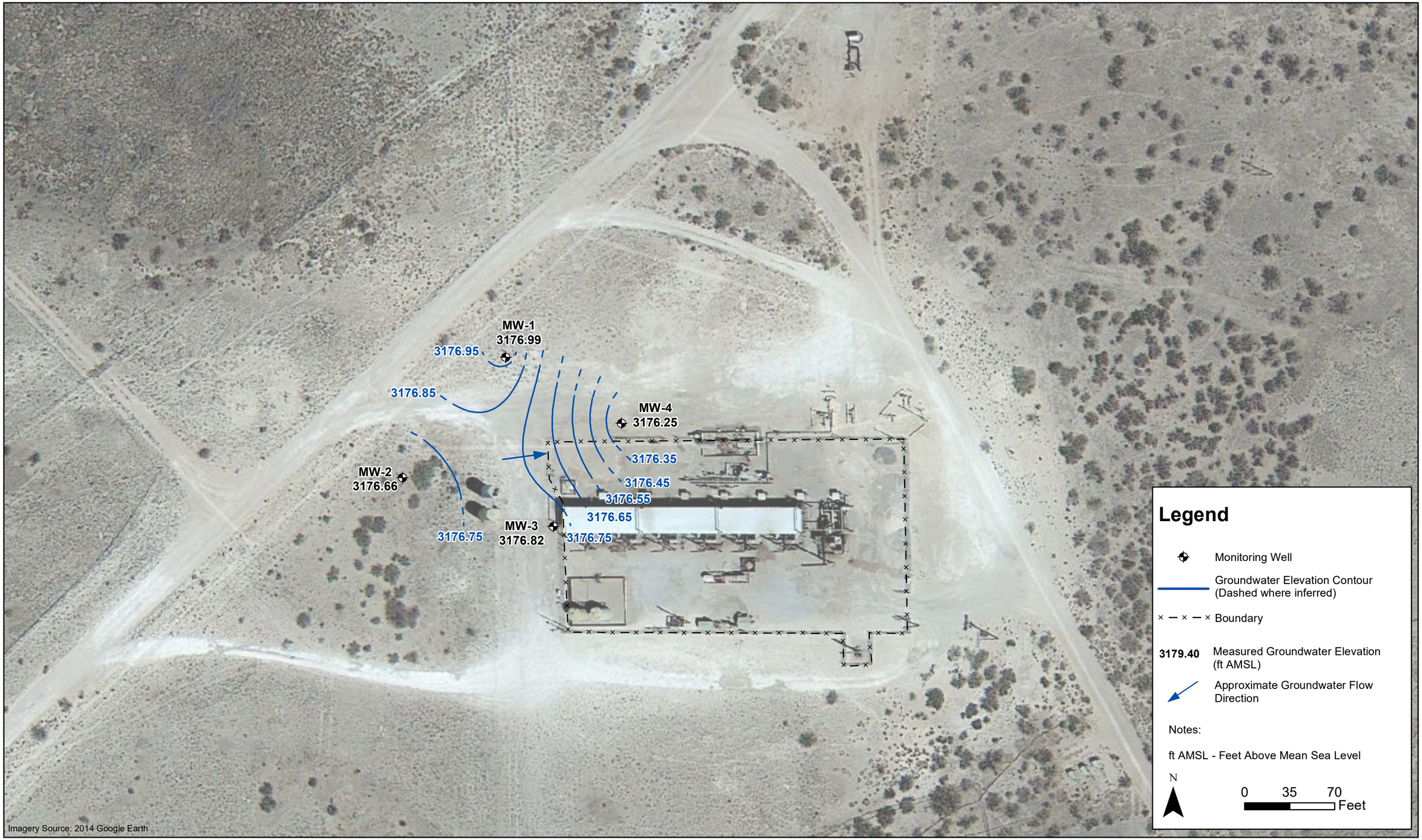
Figures

N

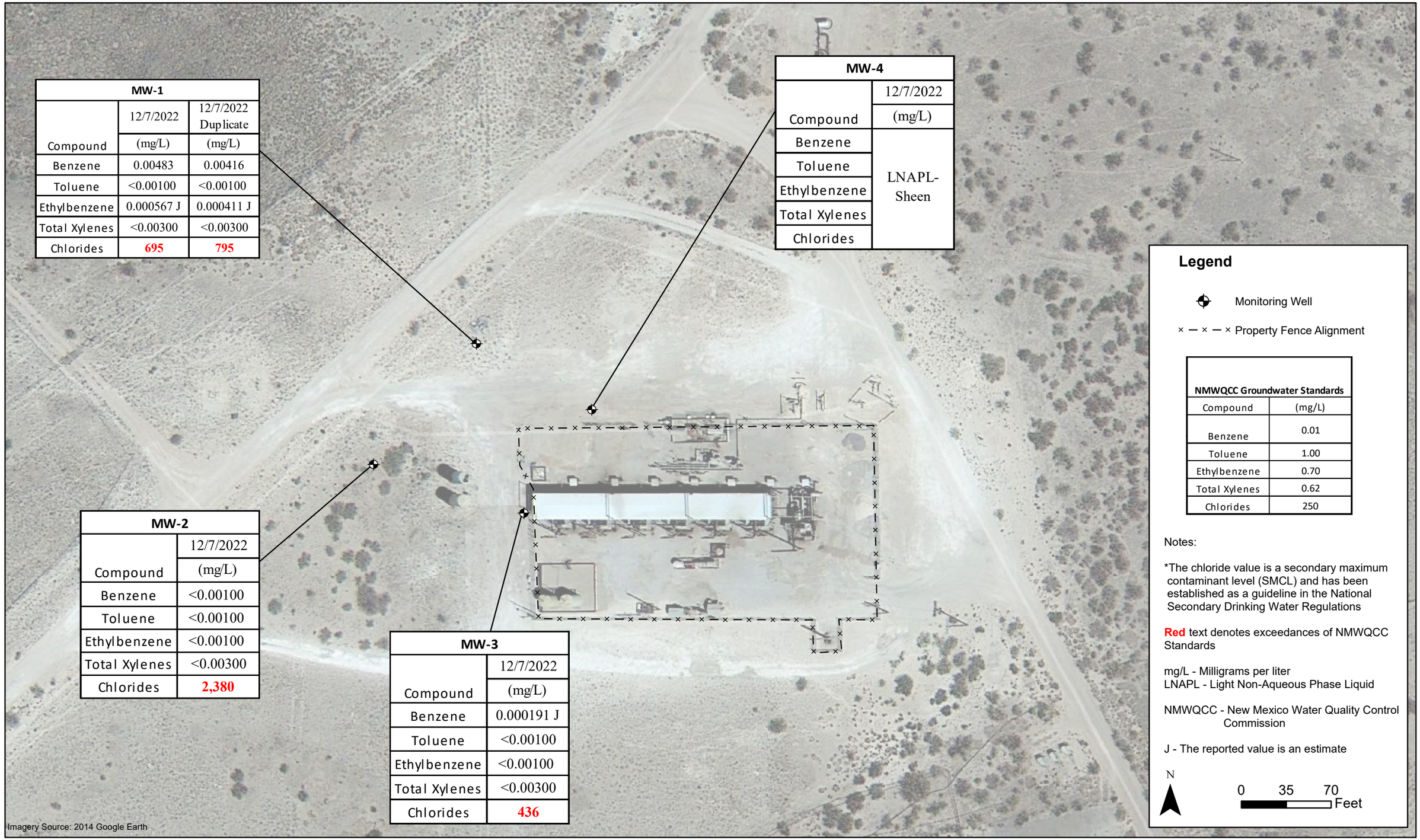


DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** Lots 4 and 5, Section 1, Township 21 South, Range 27 East Eddy County, New Mexico	Site Location Map	Figure 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: February 2023 DESIGNED BY: J. Watts DRAWN BY: J. Clonts	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Burton Flats Booster Station** Fourth Quarter 2022 Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (December 7, 2022)	Figure 3



DATE: February 2023 DESIGNED BY: J. Watts DRAWN BY: L. Reed	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Burton Flats Booster Station** Fourth Quarter 2022 Groundwater Monitoring Summary Report	Analytical Results Map (December 7, 2022)	Figure 4

Appendix A

Historical Analytical Results

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	12/14/2011	**0.140**	0.0034	0.200	0.111	**665**	Duplicate sample collected
MW-1	4/26/2012	**0.153**	<0.001	0.229	0.0073	**584**	
MW-1	6/20/2012	**0.0967**	<0.001	0.284	0.0474	**651**	Duplicate sample collected
MW-1	9/26/2012	**0.0615**	<0.001	0.0803	0.0015	**590**	
MW-1	12/5/2012	**0.020**	<0.001	0.17	0.037	**599**	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	**668**	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	**703**	Duplicate sample collected
MW-1	9/11/2013	LNAPL	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	**0.02780**	<0.0010	0.01900	0.00160 J	**908**	Duplicate Sample Collected
MW-1 (Duplicate)	6/19/2020	**0.02770**	<0.0010	0.01870	0.00139 J	**927**	
MW-1	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**	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	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**	
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-2	12/14/2011	<0.001	<0.001	<0.001	<0.003	**1,170**	
MW-2	4/26/2012	<0.001	<0.001	<0.001	<0.003	**1,040**	
MW-2	6/20/2012	<0.001	<0.001	<0.001	<0.003	**1,150**	
MW-2	9/26/2012	<0.001	<0.001	<0.001	<0.003	**1,130**	
MW-2	12/5/2012	<0.001	<0.001	<0.001	<0.003	**1,120**	Duplicate sample collected
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	**1,250**	
MW-2	6/3/2013	<0.001	<0.001	<0.001	<0.001	**1,150**	
MW-2	9/11/2013	<0.001	<0.001	<0.001	<0.001	**1,410**	Duplicate sample collected
MW-2	12/3/2013	<0.001	<0.001	<0.001	<0.001	**1,120**	Duplicate sample collected
MW-2	2/26/2014	<0.001	<0.001	<0.001	<0.001	**1,220**	Duplicate sample collected
MW-2 (Duplicate)	2/26/2014	<0.001	<0.001	<0.001	<0.001	**1,270**	
MW-2	6/2/2014	<0.001	<0.001	<0.001	<0.001	**1,270**	Duplicate sample collected
MW-2 (Duplicate)	6/2/2014	<0.001	<0.001	<0.001	<0.001	**1,290**	
MW-2	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-2	12/3/2014	<0.001	<0.001	<0.001	<0.001	**1,300**	Duplicate sample collected
MW-2 (Duplicate)	12/3/2014	<0.001	<0.001	<0.001	<0.001	**1,410**	
MW-2	2/27/2015	<0.001	<0.001	<0.001	<0.003	**1,440**	Duplicate sample collected
MW-2 (Duplicate)	2/27/2015	<0.001	<0.001	<0.001	<0.003	**1,440**	
MW-2	6/2/2015	<0.001	<0.001	<0.001	<0.003	**1,650**	Duplicate sample collected
MW-2 (Duplicate)	6/2/2015	<0.001	<0.001	<0.001	<0.003	**1,810**	
MW-2	8/31/2015	<0.001	<0.001	<0.001	<0.003	**1,420**	Duplicate sample collected
MW-2 (Duplicate)	8/31/2015	<0.001	<0.001	<0.001	<0.003	**1,440**	
MW-2	12/15/2015	<0.001	<0.001	<0.001	<0.003	**1,350**	Duplicate sample collected
MW-2 (Duplicate)	12/15/2015	<0.001	<0.001	<0.001	<0.003	**1,350**	
MW-2	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,300**	
MW-2	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,280**	
MW-2	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,310**	
MW-2	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,560**	Duplicate sample collected
MW-2 (Duplicate)	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,350**	
MW-2	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	**1,210**	
MW-2	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**1,480**	
MW-2	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	**1,530**	
MW-2	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	**1,300**	
MW-2	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	**1,290**	
MW-2	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**1,490**	
MW-2	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	**2,130**	
MW-2	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	**3,780**	
MW-2	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,380**	
MW-2	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,860**	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-2	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-3	12/14/2011	<0.001	<0.001	<0.001	<0.003	**426**	
MW-3	4/26/2012	<0.001	<0.001	<0.001	<0.003	**406**	Duplicate sample collected
MW-3	6/20/2012	<0.001	<0.001	<0.001	<0.003	**435**	
MW-3	9/26/2012	<0.001	<0.001	0.00057	<0.003	**447**	Duplicate sample collected
MW-3	12/5/2012	<0.001	<0.001	<0.001	<0.003	**444**	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	**503**	
MW-3	6/12/2013	<0.001	<0.001	<0.001	<0.001	**474**	
MW-3	9/11/2013	<0.001	<0.001	<0.001	<0.001	**589**	
MW-3	12/3/2013	<0.001	<0.001	<0.001	<0.001	**432**	
MW-3	2/26/2014	<0.001	<0.001	<0.001	<0.001	**484**	
MW-3	6/2/2014	<0.001	<0.001	<0.001	<0.001	**519**	
MW-3	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-3	12/3/2014	<0.001	<0.001	<0.001	<0.001	**294**	
MW-3	2/27/2015	<0.001	<0.001	<0.001	<0.003	**301**	
MW-3	6/2/2015	<0.001	<0.001	<0.001	<0.003	**384**	
MW-3	8/31/2015	<0.001	<0.001	<0.001	<0.003	**386**	
MW-3	12/15/2015	<0.001	<0.001	<0.001	<0.003	**568**	
MW-3	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**484**	Duplicate sample collected
MW-3(Duplicate)	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	**526**	
MW-3	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**414**	Duplicate sample collected
MW-3 (Duplicate)	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**383**	
MW-3	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**320**	Duplicate sample collected
MW-3 (Duplicate)	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**324**	
MW-3	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**285**	
MW-3	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	**466**	
MW-3	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	247	
MW-3 (Duplicate)	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**251**	
MW-3	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	**269**	
MW-3	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	**310**	
MW-3	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	**253**	
MW-3	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**258**	
MW-3	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	**277**	
MW-3	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	**429**	
MW-3	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	**309**	
MW-3	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	**369**	
MW-3	9/17/2019	0.00426	<0.0010	<0.0010	<0.0030	**333**	
MW-3	12/9/2019	0.00216	<0.0010	<0.0010	<0.0030	**339**	
MW-3	6/19/2020	0.000240 J	<0.0010	<0.0010	<0.0030	**372**	
MW-3	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**420**	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
MW-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-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)
MW-4	9/19/2022	Not Sampled - LNAPL					LNAPL (0.16')
MW-4	12/7/2023	Not Sampled - Historical LNAPL					

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.005**	**1.00**	**0.70**	**0.62**	**250**	
Trip Blank	6/2/2014	<0.001	<0.001	<0.001	<0.001	NA	
Trip Blank	12/3/2014	<0.001	<0.001	<0.001	<0.001	NA	
Trip Blank	2/27/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	6/2/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	8/31/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	12/15/2015	<0.001	<0.001	<0.001	<0.003	NA	
Trip Blank	3/21/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	NA	
Trip Blank	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/9/2019	<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	12/7/2023	<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 (SMC) which has been established as a guideline in the National Secondary Drinking Water Regulations.
NMWQCC = New Mexico Water Quality Control Commission
LNAPL = Light Non-Aqueous Phase Liquid
NA = Not Analyzed
J = The identification of the analyte is acceptable, the reported value is an estimate.
mg/L = milligrams per liter

Appendix B

Laboratory Analytical Report

- Pace Analytical Report #: L1566147

Pace Analytical®

ANALYTICAL REPORT

December 15, 2022

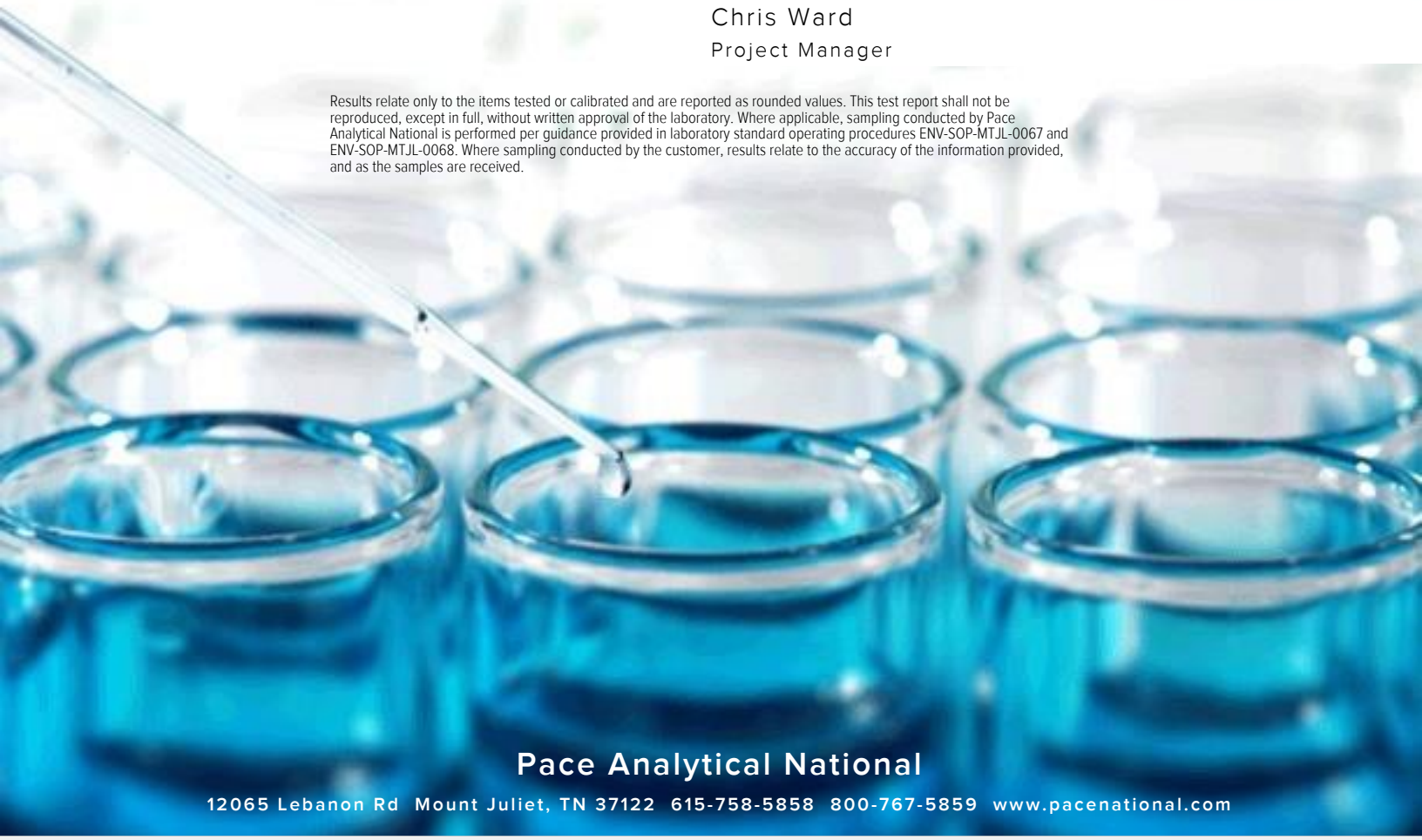
DCP Midstream - Tasman

Sample Delivery Group:	L1566147
Samples Received:	12/09/2022
Project Number:	
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 L1566147-01 GW

Collected by: Chris Flores | Collected date/time: 12/07/22 09:50 | Received date/time: 12/09/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1973478	10	12/13/22 21:04	12/13/22 21:04	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1973855	1	12/14/22 10:34	12/14/22 10:34	JCP	Mt. Juliet, TN

MW-2 L1566147-02 GW

Collected by: Chris Flores | Collected date/time: 12/07/22 10:18 | Received date/time: 12/09/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1973478	20	12/13/22 21:20	12/13/22 21:20	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1973855	1	12/14/22 10:54	12/14/22 10:54	JCP	Mt. Juliet, TN

MW-3 L1566147-03 GW

Collected by: Chris Flores | Collected date/time: 12/07/22 10:31 | Received date/time: 12/09/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1973478	10	12/13/22 22:19	12/13/22 22:19	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1973855	1	12/14/22 11:15	12/14/22 11:15	JCP	Mt. Juliet, TN

DUPLICATE L1566147-04 GW

Collected by: Chris Flores | Collected date/time: 12/07/22 00:00 | Received date/time: 12/09/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG1973478	10	12/13/22 22:35	12/13/22 22:35	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1973855	1	12/14/22 11:36	12/14/22 11:36	JCP	Mt. Juliet, TN

TRIP BLANK L1566147-05 GW

Collected by: Chris Flores | Collected date/time: 12/07/22 00:00 | Received date/time: 12/09/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1973855	1	12/14/22 06:25	12/14/22 06:25	JCP	Mt. Juliet, TN

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

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	695		3.79	10.0	10	12/13/2022 21:04	WG1973478

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	0.00483		0.0000941	0.00100	1	12/14/2022 10:34	WG1973855
Toluene	U		0.000278	0.00100	1	12/14/2022 10:34	WG1973855
Ethylbenzene	0.000567	J	0.000137	0.00100	1	12/14/2022 10:34	WG1973855
Total Xylenes	U		0.000174	0.00300	1	12/14/2022 10:34	WG1973855
(S) Toluene-d8	*107*			*80.0-120*		*12/14/2022 10:34*	WG1973855
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*12/14/2022 10:34*	WG1973855
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*12/14/2022 10:34*	WG1973855

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2380		7.58	20.0	20	12/13/2022 21:20	WG1973478

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	12/14/2022 10:54	WG1973855
Toluene	U		0.000278	0.00100	1	12/14/2022 10:54	WG1973855
Ethylbenzene	U		0.000137	0.00100	1	12/14/2022 10:54	WG1973855
Total Xylenes	U		0.000174	0.00300	1	12/14/2022 10:54	WG1973855
(S) Toluene-d8	*106*			*80.0-120*		*12/14/2022 10:54*	WG1973855
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*12/14/2022 10:54*	WG1973855
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*12/14/2022 10:54*	WG1973855

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 mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	436		3.79	10.0	10	12/13/2022 22:19	WG1973478

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	0.000191	J	0.0000941	0.00100	1	12/14/2022 11:15	WG1973855
Toluene	U		0.000278	0.00100	1	12/14/2022 11:15	WG1973855
Ethylbenzene	U		0.000137	0.00100	1	12/14/2022 11:15	WG1973855
Total Xylenes	U		0.000174	0.00300	1	12/14/2022 11:15	WG1973855
(S) Toluene-d8	*109*			*80.0-120*		*12/14/2022 11:15*	WG1973855
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*12/14/2022 11:15*	WG1973855
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*12/14/2022 11:15*	WG1973855

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	795		3.79	10.0	10	12/13/2022 22:35	WG1973478

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	0.00416		0.0000941	0.00100	1	12/14/2022 11:36	WG1973855
Toluene	U		0.000278	0.00100	1	12/14/2022 11:36	WG1973855
Ethylbenzene	0.000411	J	0.000137	0.00100	1	12/14/2022 11:36	WG1973855
Total Xylenes	U		0.000174	0.00300	1	12/14/2022 11:36	WG1973855
(S) Toluene-d8	*109*			*80.0-120*		*12/14/2022 11:36*	WG1973855
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*12/14/2022 11:36*	WG1973855
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*12/14/2022 11:36*	WG1973855

TRIP BLANK
Collected date/time: 12/07/22 00:00
L1566147

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	12/14/2022 06:25	WG1973855
Toluene	U		0.000278	0.00100	1	12/14/2022 06:25	WG1973855
Ethylbenzene	U		0.000137	0.00100	1	12/14/2022 06:25	WG1973855
Total Xylenes	U		0.000174	0.00300	1	12/14/2022 06:25	WG1973855
(S) Toluene-d8	*107*			*80.0-120*		*12/14/2022 06:25*	WG1973855
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*12/14/2022 06:25*	WG1973855
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*12/14/2022 06:25*	WG1973855

Method Blank (MB)

(MB) R3871216-1 12/13/22 10:59

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

L1566101-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1566101-03 12/13/22 15:20 • (DUP) R3871216-3 12/13/22 15:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	15400	16600	100	7.67		15

L1566117-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1566117-03 12/13/22 20:04 • (DUP) R3871216-6 12/13/22 20:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	18.8	18.8	1	0.0606		15

Laboratory Control Sample (LCS)

(LCS) R3871216-2 12/13/22 11:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	

L1566101-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1566101-03 12/13/22 15:20 • (MS) R3871216-4 12/13/22 15:58 • (MSD) R3871216-5 12/13/22 16:14

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	15400	15700	15600	645	521	100	80.0-120	V	V	0.397	15

L1566117-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1566117-03 12/13/22 20:04 • (MS) R3871216-7 12/13/22 20:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	18.8	68.9	100	1	80.0-120	

Method Blank (MB)

(MB) R3872003-3 12/14/22 06:05

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	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3872003-1 12/14/22 05:02 • (LCSD) R3872003-2 12/14/22 05:23

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	0.00558	0.00475	112	95.0	70.0-123			16.1	20
Toluene	0.00500	0.00523	0.00470	105	94.0	79.0-120			10.7	20
Ethylbenzene	0.00500	0.00503	0.00448	101	89.6	79.0-123			11.6	20
Xylenes, Total	0.0150	0.0154	0.0140	103	93.3	79.0-123			9.52	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*108*	*70.0-130*				

L1566101-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1566101-03 12/14/22 07:27 • (MS) R3872003-4 12/14/22 13:19 • (MSD) R3872003-5 12/14/22 13:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	U	0.00430	0.00467	86.0	93.4	1	17.0-158			8.25	27
Toluene	0.00500	U	0.00449	0.00444	89.8	88.8	1	26.0-154			1.12	28
Ethylbenzene	0.00500	0.000231	0.00422	0.00472	79.8	89.8	1	30.0-155			11.2	27
Xylenes, Total	0.0150	U	0.0125	0.0133	83.3	88.7	1	29.0-154			6.20	28
(S) Toluene-d8					*98.4*	*99.9*		*80.0-120*				
(S) 4-Bromofluorobenzene					*104*	*105*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*109*	*108*		*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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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. # **0000524217**

Collected by (signature):

Immediately Packed on Ice N____ Y____

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

Date Results Needed

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 125mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
MW-1	G	GW		12/7/22	0950	4	X	X									-01
MW-2	G	GW		12/7/22	1018	4	X	X									-02
MW-3	G	GW		12/7/22	1031	4	X	X									-03
~~MW-4~~		GW															
DUPLICATE	G	GW		12/7/22	—	4	X	X									-04
		GW															
TRIP BLANK		GW		12/7/22	—	1		X									-05

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 # 156147
H197

Acctnum: DCPTASMAN
Template: T127771
Prelogin: P966734
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 # 0221 6094 5463 8200

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	12/8/22	12:00		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				1.7+0-1.7 15
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				12/9/22 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

12/09-NCF-L1566147-DCPTASMAN PM

R5

Time estimate: oh **Time spent:** oh

Members

Paul Minnich (responsible)

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [x] Broken container
- [x] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Paul Minnich *9 December 2022 11:54 PM*

One vial from MW-3 received broken.

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 196381

CONDITIONS

Operator:	OGRID:
DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	36785
	Action Number: 196381
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Third Quarter 2022 report accepted for the record. Review of 4th Quarter 2022 Groundwater Monitoring and Activities Summary Report: Content satisfactory 1. Continue with the recommendations presented in this report. 2. Reporting frequency changed from quarterly to annually. Submit next report to OCD no later than April 1, 2024.	3/27/2023