2024 Annual Groundwater Monitoring and Activities Summary Report

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

Prepared for:

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1. Introduction

This report summarizes groundwater monitoring and remediation activities conducted during 2024 at the Burton Flats Booster Station (Site) in Eddy County, New Mexico (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Operating Company (DCP). Field activities were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and laboratory analytical results collected March 21, June 20, September 26, and December 16, 2024.

2. Site Location and Background

The Site is located in the Fourth and Fifth Lots of Section 1, Township 21 South, Range 27 East (approximate coordinates 32.5195 degrees north and 104.1507 degrees west). It is approximately 3.4 miles northwest of the intersection of US Highway 62 and County Road 243. The area is sparsely populated, and land use is primarily associated with livestock grazing and oil and gas production and gathering.

Based on information included in historical Site investigation reports, a release of approximately 10 barrels (bbl) of oil and produced water occurred on October 5, 2009, of which approximately 8 bbls were recovered from within the tank secondary containment area. The C-141 report was submitted on October 12, 2009, and Site investigation and soil sampling within the release area occurred during the fourth quarter of 2009 and early fourth quarter of 2010 (BH-1 through BH-5). Elevated levels of petroleum hydrocarbons within the soil were encountered at depths of 20-feet below ground surface (bgs). Groundwater was encountered between 16-feet and 20-feet bgs during Site characterization activities. Subsequent to soil investigation efforts, four groundwater monitoring wells were installed around and down-gradient from the release area during the fourth quarter of 2011 (MW-1 through MW-4). Elevated petroleum hydrocarbon concentrations in soil were observed during well installation. Consequently, two additional soil borings were completed to a depth of 20 feet bgs in the suspected source area (SB 11-1 and SB 11-2). Monitoring well locations are shown in Figure 2.

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

3. Groundwater Monitoring

This section describes the field and laboratory activities performed throughout the 2024 calendar year. Quarterly monitoring activities were conducted on March 21, June 20, September 26, and December 16, 2024, which included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network (MW-1 through MW-4) utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels are measured in order to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations of groundwater and LNAPL elevations at the Site. Throughout 2024, groundwater levels were measured at four Site monitoring well locations (MW-1 through MW-4).

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

A 2024 groundwater elevation contour maps, included as Figures 3 through 6, indicates that the groundwater gradient at the Site trends to the northeast which is consistent with the previous trends shifting from northwest to northeast. The corrected groundwater elevation ranges, average elevation change from the previous monitoring event, and the calculated hydraulic gradient at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

Quarter	1st	2nd	3rd	4th
Maximum Elevation (Well ID)	3,176.84 (MW-3)	3,176.47 (MW-3)	3,176.00 (MW-3)	3,176.00 (MW-3)
Minimum Elevation (Well ID)	3,174.01 (MW-4)	3,172.40 (MW-4)	3,171.79 (MW-4)	3,172.93 (MW-4)
Potentiometric Surface Average Change (ft)	0.24	-0.10	-0.65	0.08
Hydraulic Gradient (ft/ft)	0.025	0.036	0.037	0.027

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

Measurable LNAPL was observed at monitor well MW-4 during all four quarters of the 2024 calendar year which is consistent with historical data since 2015. LNAPL thickness at monitor well MW-4 ranged from 0.55 feet during the December monitoring event to 1.70 feet during the September monitoring event.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each of the quarterly monitoring events during 2024, groundwater samples were collected from three of the four locations (MW-1 through MW-3). A minimum of three well casing volumes of groundwater were purged from each monitoring well prior to collection of groundwater samples. Due to the presence of LNAPL observed at MW-4, no groundwater sample was collected at this location. However, in the first quarter, a sample was collected from MW-4 in order to determine the concentration of dissolved phase hydrocarbons present in the well.

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

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

Table 2 summarizes BTEX and chloride concentrations in groundwater samples collected during the 2024 reporting period. Historical laboratory analytical results up to and including the December 2024 event are provided in Appendix A, and the laboratory analytical report for the previous four quarters are included in Appendix B. The laboratory analytical results are displayed on Figure 4 and NMOCD sampling notifications are included as Appendix C.

3.2.1 1st Quarter Data Evaluation

The 1st Quarter 2024 field observations and analytical results for samples collected from MW-1 through MW-4 indicate the following:

- Benzene was not detected in exceedance of the New Mexico Quality Control Commission (NMWQCC) groundwater standard of 0.010 milligrams per liter (mg/L) at any of the sampled wells.
- Toluene was not detected above the laboratory reported detection limit (RDL) in any of the sampled Site monitoring wells.
- Ethylbenzene was detected above the NMWQCC standards of 0.70 mg/L in MW-4 (1.07 mg/L).
- Total Xylenes was detected above the NMWQCC standard of 0.62 mg/L in MW-4 (2.24 mg/L).
- Chlorides were detected at concentrations greater than the NMWQCC secondary maximum contaminant level (MCL) guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 3,530 mg/L at monitor well MW-4 to 461 mg/L at monitor well MW-3.

3.2.2 2nd Quarter Data Evaluation

The 2nd Quarter 2024 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene, Toluene, Ethylbenzene, and Total Xylenes were not detected in exceedance of any of their respective NMWQCC groundwater standards at any of the sampled wells.
- Chlorides were detected at concentrations greater than the NMWQCC secondary MCL guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 462 mg/L at monitor well MW-3 to 2,250 mg/L at monitor well MW-2.

3.2.3 3rd Quarter Data Evaluation

The 3rd Quarter 2024 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene, Toluene, Ethylbenzene, and Total Xylenes were not detected in exceedance of any of their respective NMWQCC groundwater standards at any of the sampled wells.
- Chlorides were detected at concentrations greater than the NMWQCC secondary MCL guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 531 mg/L at monitor well MW-3 to 2,580 mg/L at monitor well MW-2.

3.2.4 4th Quarter Data Evaluation

The 4th Quarter 2024 field observations and analytical results for samples collected from MW-1 through MW-3 indicate the following:

- Benzene, Toluene, Ethylbenzene, and Total Xylenes were not detected in exceedance of any of their respective NMWQCC groundwater standards at any of the sampled wells.
- Chlorides were detected at concentrations greater than the NMWQCC secondary MCL guideline of 250 mg/L at all sampled monitoring well locations with concentrations ranging from 579 mg/L at monitor well MW-3 to 2,140 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 2024 include the following:

- Target analytes were not detected above laboratory detection limits in the trip blank.
- During each quarter of 2024, parent samples gathered from MW-1 and their associated duplicates exhibited concentrations of benzene. In compliance with QA/QC, each quarter's Relative Percent Difference (RPD) is listed below:

Quarter	Parent Sample (mg/L)	Duplicate Sample (mg/L)	RPD
1st	<0.00100	0.00207	N/A
2nd	0.000717 J	0.000602 J	17.43
3rd	0.000176 J	<0.00100	N/A
4th	<0.00100	<0.00100	N/A

- Subsequent to collection of groundwater samples during all four quarters of 2024, 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.

Duplicate samples collected in the second quarter 2024 yielded RPD values within the 20% target range. Other duplicate sample results were inconclusive due to one or both samples being below laboratory reported detection limits. The QA/QC assessment indicates that overall data precision and accuracy are within acceptable limits.

4. Remediation Activities

Remediation activities conducted during the 2024 reporting period include vacuum enhanced fluid recovery (EFR) activities. EFR events were initiated in December 2014 and began on a routine frequency at monitoring wells MW-1 and MW-4; However, beginning in 1st quarter 2023, EFR events have been discontinued at MW-1 to determine its effectiveness on dissolved phase hydrocarbon abatement. EFR events are scheduled to continue, pending observation of the effectiveness of the effort in addressing persistent free phase and dissolved phase petroleum hydrocarbons on-Site.

EFR events were conducted at the site on March 21, June 19, September 26, and December 17, 2024. Each event included application of high vacuum (utilizing a vacuum truck) at MW-4 through flexible hosing inserted into the well. The stingers were placed slightly below the current groundwater level to facilitate removal of groundwater, LNAPL, and vapors from the subsurface. A total of 708 barrels (bbls) have been recovered since EFR events commenced in 2014. The volumes recovered during 2024 events are below.

Date	Volume (bbls)
March 21	4
June 19	15
September 26	10
December 17	3

A passive LNAPL skimmer was installed in MW-4 in an effort to collect and dispose of free-phase liquids in between groundwater sampling and EFR events. Throughout the 2024 calendar year the passive bailer did not collect any product from the well. This could be due to the hydrophobic screen no longer functioning properly.

5. Conclusions

Evaluation of the 2024 monitoring data and historical information provides the following general observations:

- Groundwater elevations at the Site indicated an overall decrease compared to the levels that were observed during the 4th Quarter 2023 with an average decrease of 0.15 ft per monitoring well across all four quarters of 2024.
- LNAPL was observed at monitoring well MW-4 during the 2024 monitoring period. The presence of LNAPL at this location has historically fluctuated since 2015.
- The sample collected from monitor well MW-4 suggests that the dissolved phase has degraded since the last sample was collected in March 2018.
- Chloride concentrations were above the NMWQCC secondary MCL guideline at all sampled Site monitoring wells.

6. Recommendations

Based on evaluation of 2024 and historical Site monitoring results, recommendations for future activities include:

- Continue quarterly groundwater monitoring and sampling at the monitoring locations illustrated on Figure 2.
- Replace the passive skimmer located at monitor well MW-4.
- Pause quarterly EFR events to evaluate effectiveness. Reinitiation will be assessed on a quarterly basis.

Tables

TABLE 1
ANNUAL 2024
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	3/21/2024	22.12			34.33	3,197.65	3,175.53	0.09
MW-1	6/20/2024	22.66			34.33	3,197.65	3,174.99	-0.54
MW-1	9/26/2024	23.91			34.33	3,197.65	3,173.74	-1.25
MW-1	12/16/2024	22.89			34.33	3,197.65	3,174.76	1.02
MW-2	3/21/2024	23.31			32.85	3,200.00	3,176.69	0.07
MW-2	6/20/2024	23.78			32.85	3,200.00	3,176.22	-0.47
MW-2	9/26/2024	24.06			32.85	3,200.00	3,175.94	-0.28
MW-2	12/16/2024	24.02			32.85	3,200.00	3,175.98	0.04
MW-3	3/21/2024	24.00			34.11	3,200.84	3,176.84	0.14
MW-3	6/20/2024	24.37			34.11	3,200.84	3,176.47	-0.37
MW-3	9/26/2024	24.84			34.11	3,200.84	3,176.00	-0.47
MW-3	12/16/2024	24.84			34.11	3,200.84	3,176.00	0.00
MW-4	3/21/2024	26.97	26.26	0.71	33.08	3,200.98	3,174.01	0.66
MW-4	6/20/2024	28.58	27.33	1.25	33.08	3,200.98	3,172.40	-1.61
MW-4	9/26/2024	29.19	27.49	1.70	33.08	3,200.98	3,171.79	-0.61
MW-4	12/16/2024	28.05	27.50	0.55	33.08	3,200.98	3,172.93	1.14
						Average change in groundwater elevation (9/26/2024 to 12/16/2024)		0.55

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
ANNUAL 2024
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.010**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	3/21/2024	<0.00100	<0.00100	0.000439 J	<0.00300	**750**	Duplicate Sample Collected
MW-1 (Duplicate)	3/21/2024	0.00207	<0.00100	0.000365 J	<0.00300	**691**	
MW-1	6/20/2024	0.000717 J	<0.00100	<0.00100	<0.00300	**737**	Duplicate Sample Collected
MW-1 (Duplicate)	6/20/2024	0.000602 J	<0.00100	<0.00100	<0.00300	**735**	
MW-1	9/26/2024	0.000176 J	<0.00100	0.000293 J	<0.00300	**704**	Duplicate Sample Collected
MW-1 (Duplicate)	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	**697**	
MW-1	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**703**	Duplicate Sample Collected
MW-1 (Duplicate)	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**708**	
MW-2	3/21/2024	<0.00100	<0.00100	<0.00100	<0.00300	**1,750**	
MW-2	6/20/2024	<0.00100	<0.00100	<0.00100	<0.00300	**2,250**	
MW-2	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	**2,580**	
MW-2	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**2,140**	
MW-3	3/21/2024	<0.00100	<0.00100	<0.00100	<0.00300	**461**	
MW-3	6/20/2024	<0.00100	<0.00100	<0.00100	<0.00300	**462**	
MW-3	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	**531**	
MW-3	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**579**	
MW-4	3/21/2024	<0.00500	<0.00500	**1.07**	**2.24**	**3,530**	
MW-4	6/20/2024	Not Sampled - LNAPL					
MW-4	9/26/2024	Not Sampled - LNAPL					
MW-4	12/16/2024	Not Sampled - LNAPL					
Trip Blank	3/21/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/20/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	

Notes:

Bold red values indicate an exceedance of the associated NMWQCC standard (Effective 7/1/2020) or, for chlorides, the secondary maximum contaminant level (SMCL) which has been established as a guideline in the National Secondary Drinking Water Regulations.

NMWQCC = New Mexico Water Quality Control Commission

LNAPL = Light Non-Aqueous Phase Liquid

NA = Not Analyzed

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

mg/L = milligrams per liter

Figures

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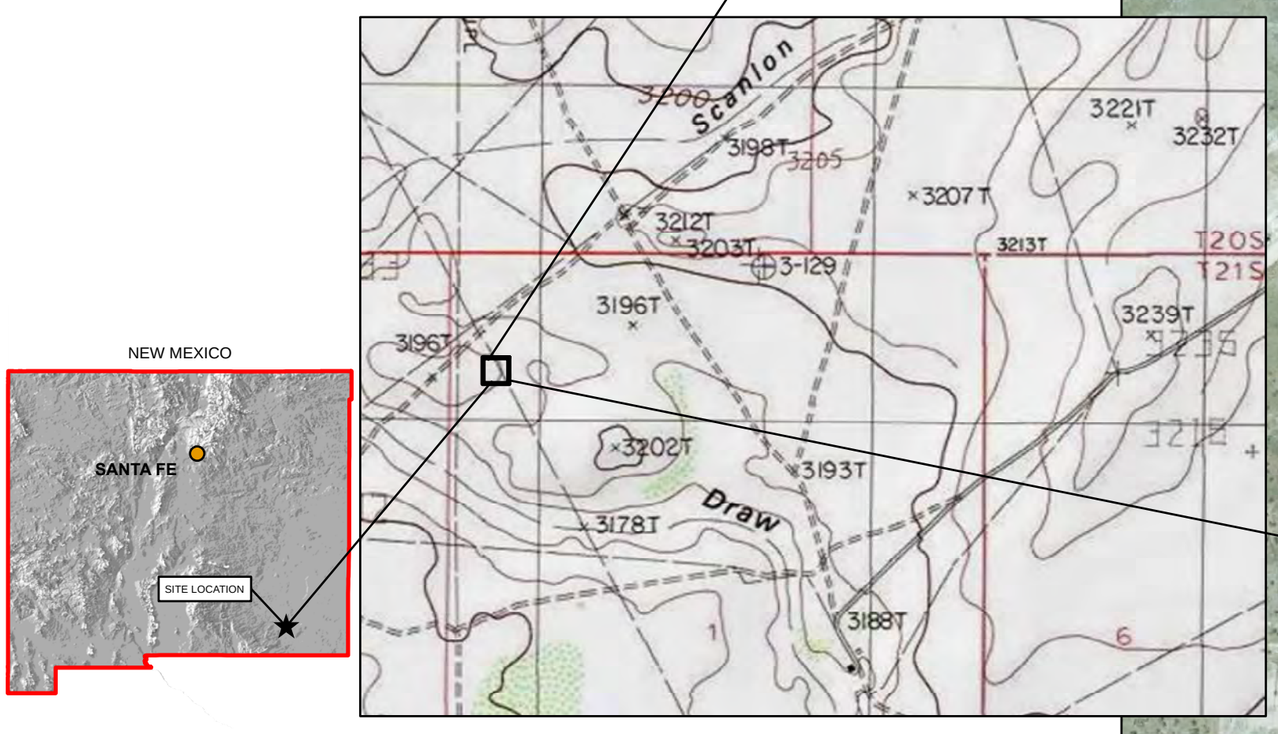
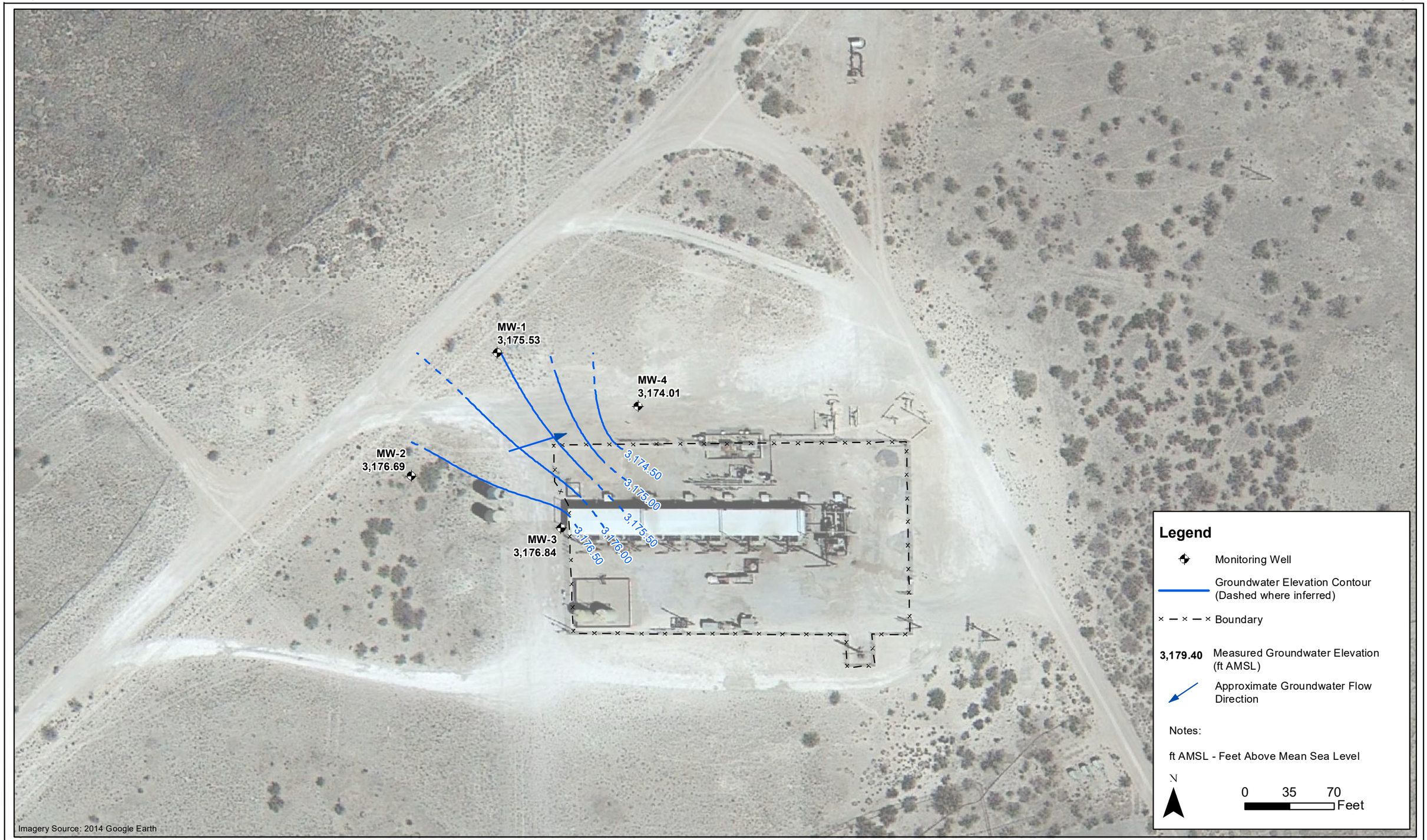
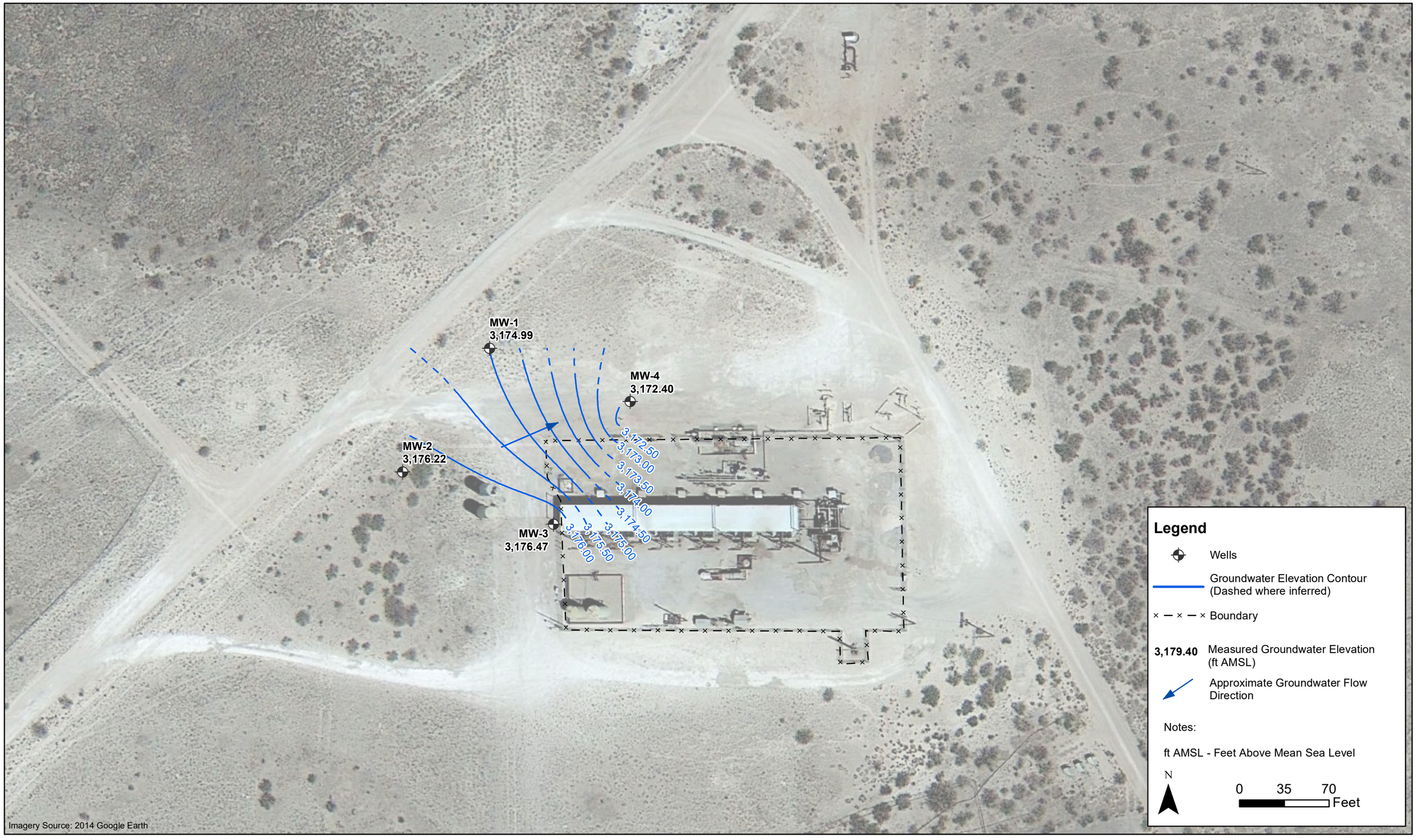


DATE: April 2015 DESIGNED BY: T. Johansen DRAWN BY: D. Arnold	TASMAN **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Burton Flats Booster Station** Lots 4 and 5, Section 1, Township 21 South, Range 27 East Eddy County, New Mexico	Site Location Map	Figure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

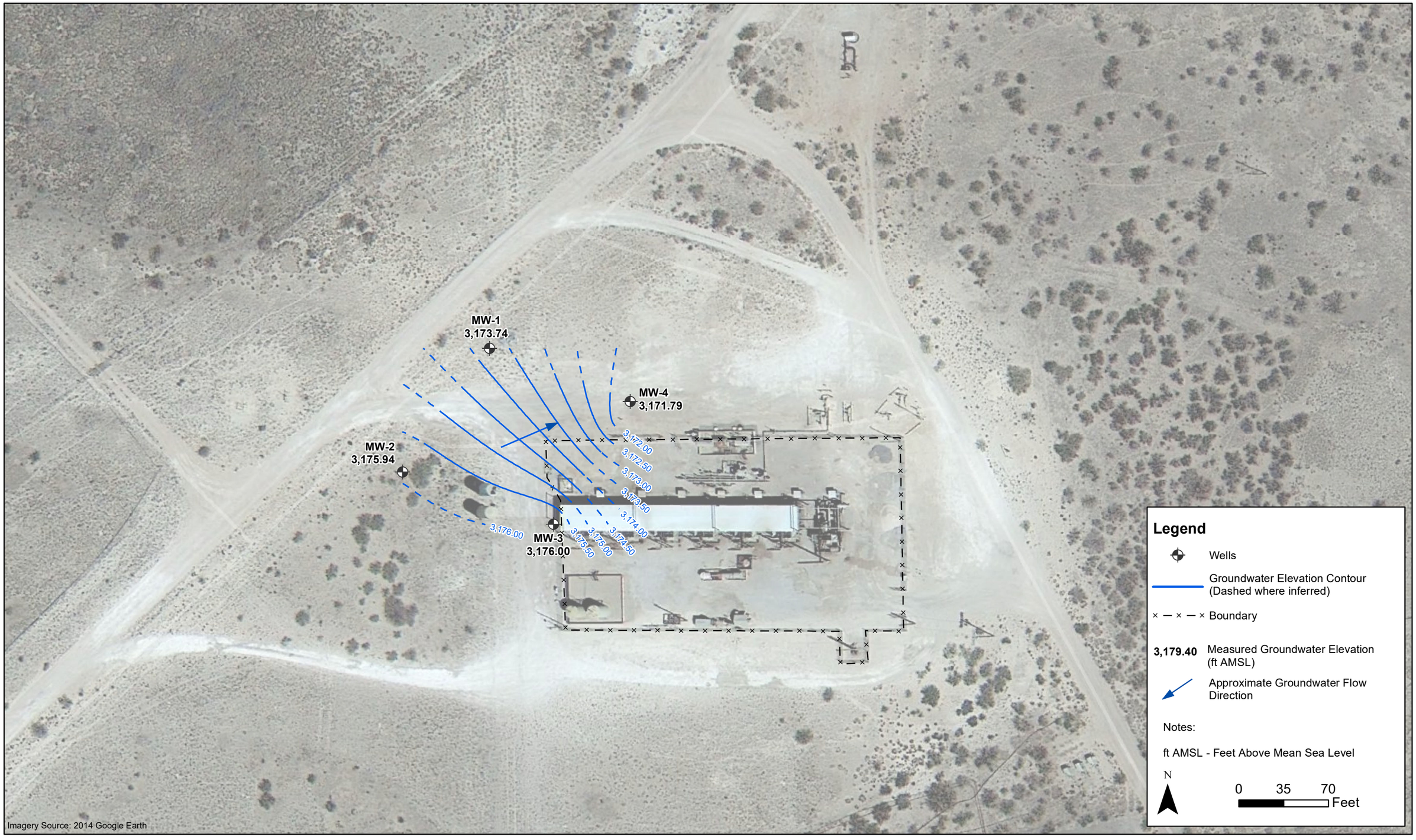
DATE: December 2019 DESIGNED BY: B. Humphrey DRAWN BY: L. Martin	TASMAN **Tasman Geosciences, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Operating Company** **Burton Flats Booster Station** Groundwater Monitoring Summary Report	Site Map with Monitoring Well Locations	Figure 2



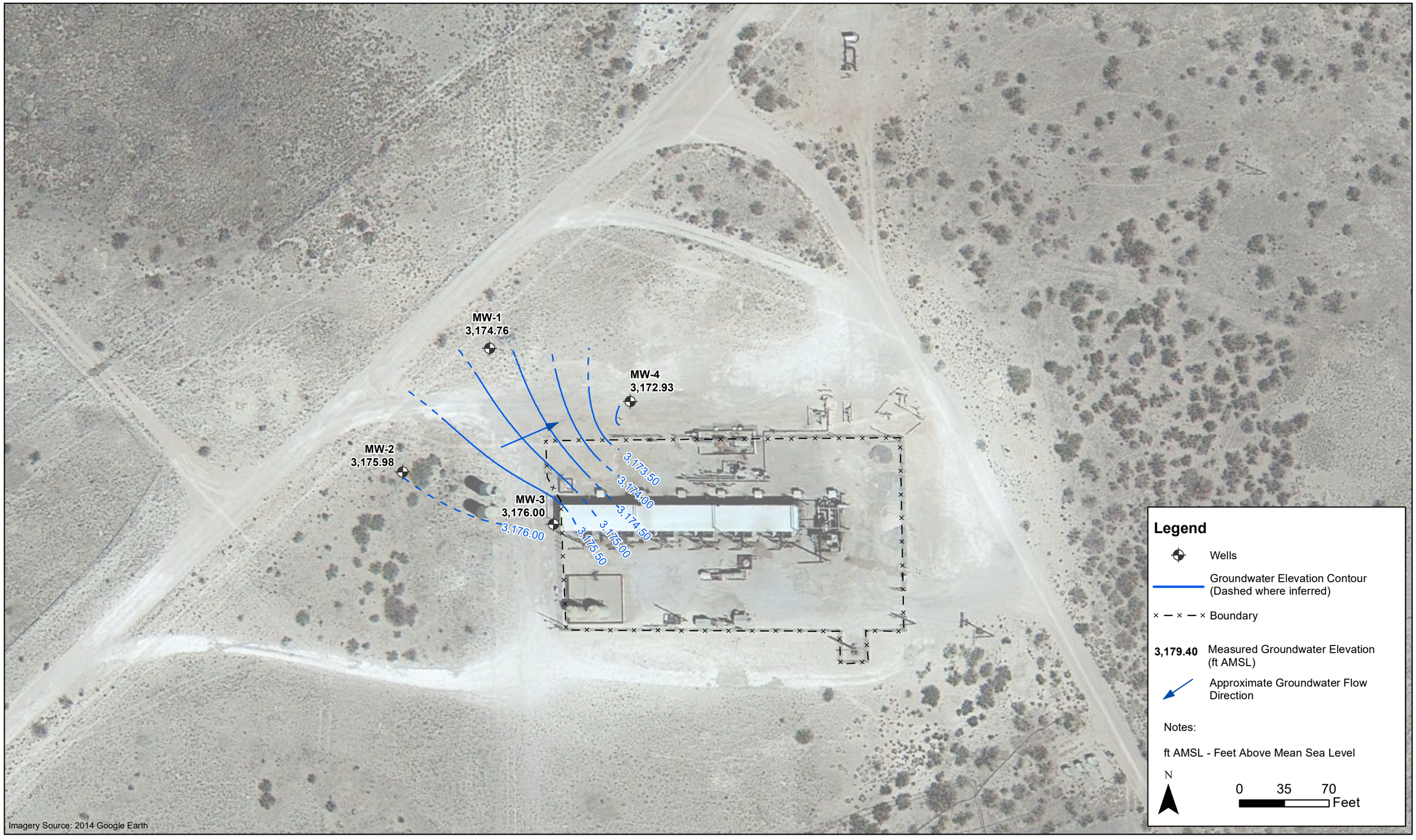
DATE: Februrary 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Anual Groundwater Monitoring Sumamry Report	Groundwater Elevation Contour Map (March 21, 2024)	Figure 3



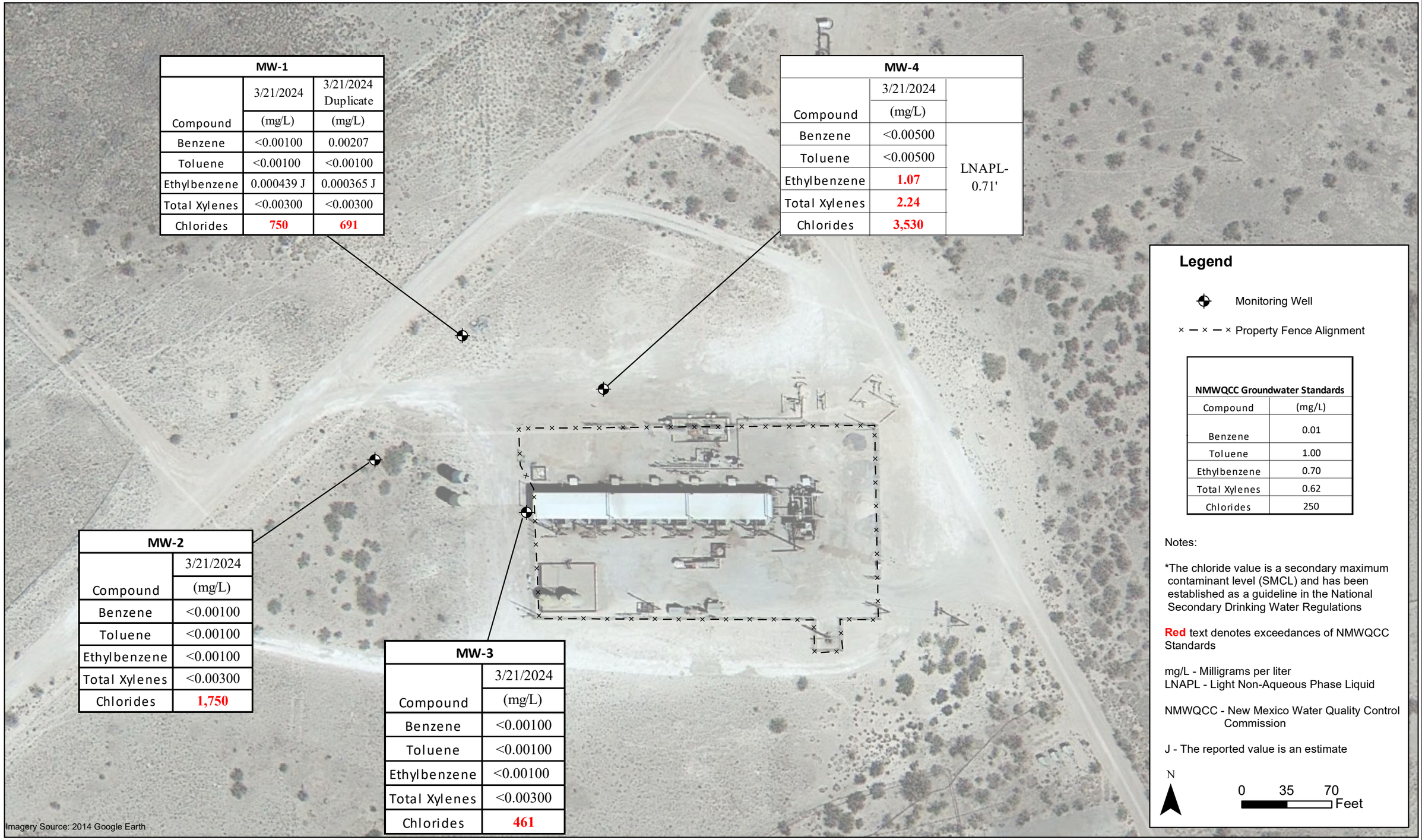
DATE: July 2024 DESIGNED BY: B. Dennis DRAWN BY: B. Dennis	TASMAN	Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (June 20, 2024)	Figure 4



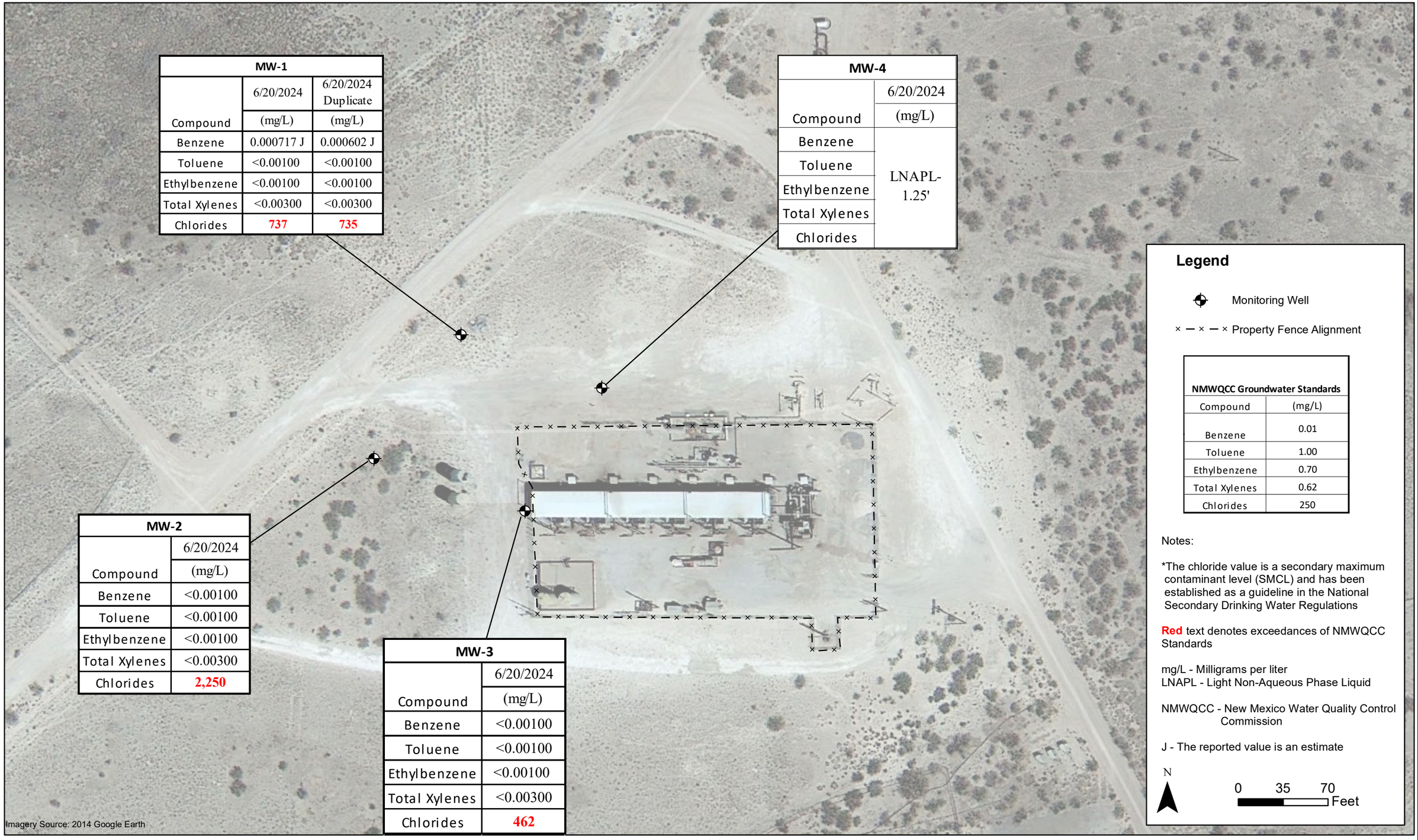
DATE: September 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Annual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (September 26, 2024)	Figure 5



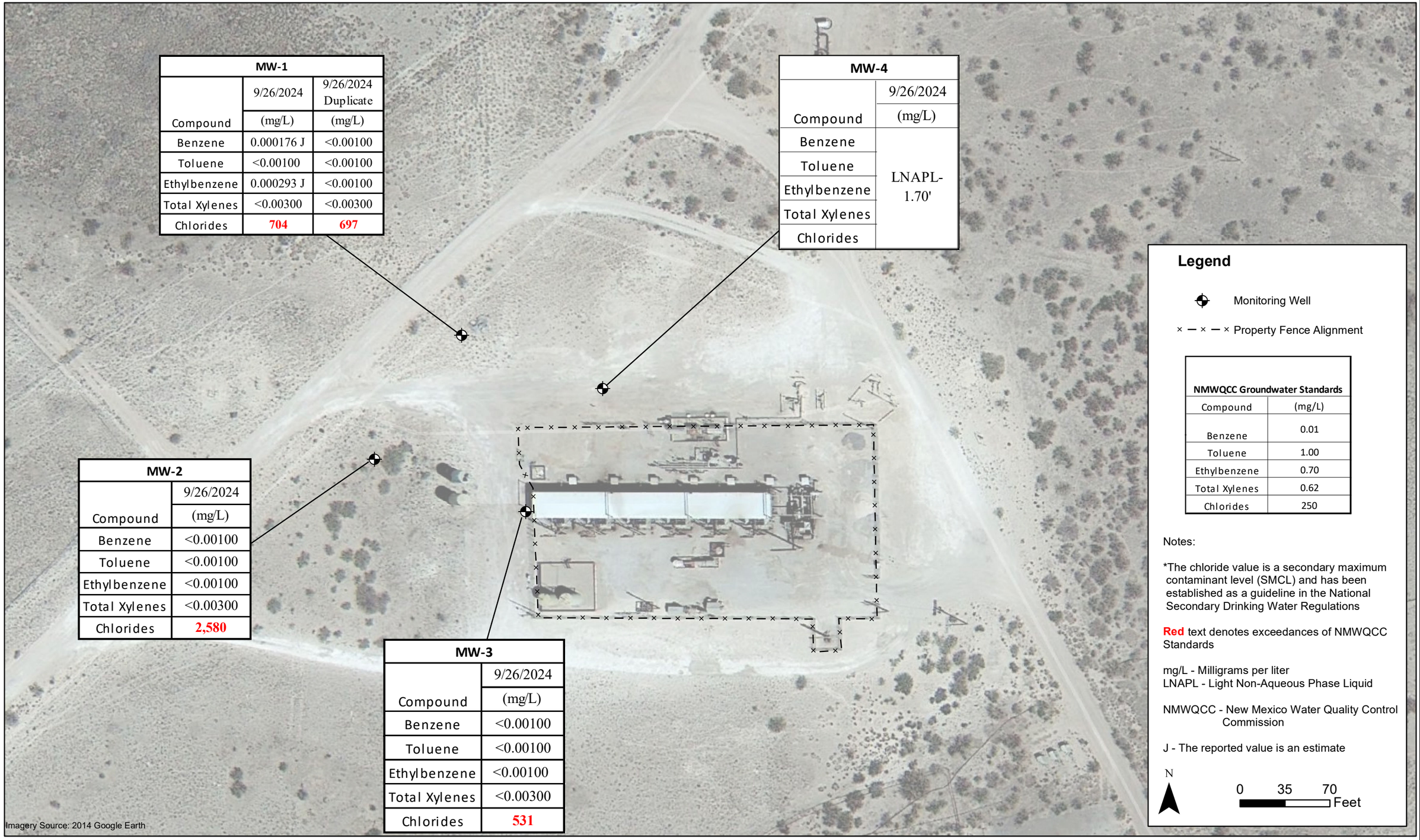
DATE: December 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN	Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Anual Groundwater Monitoring Summary Report	Groundwater Elevation Contour Map (December 16, 2024)	Figure 6



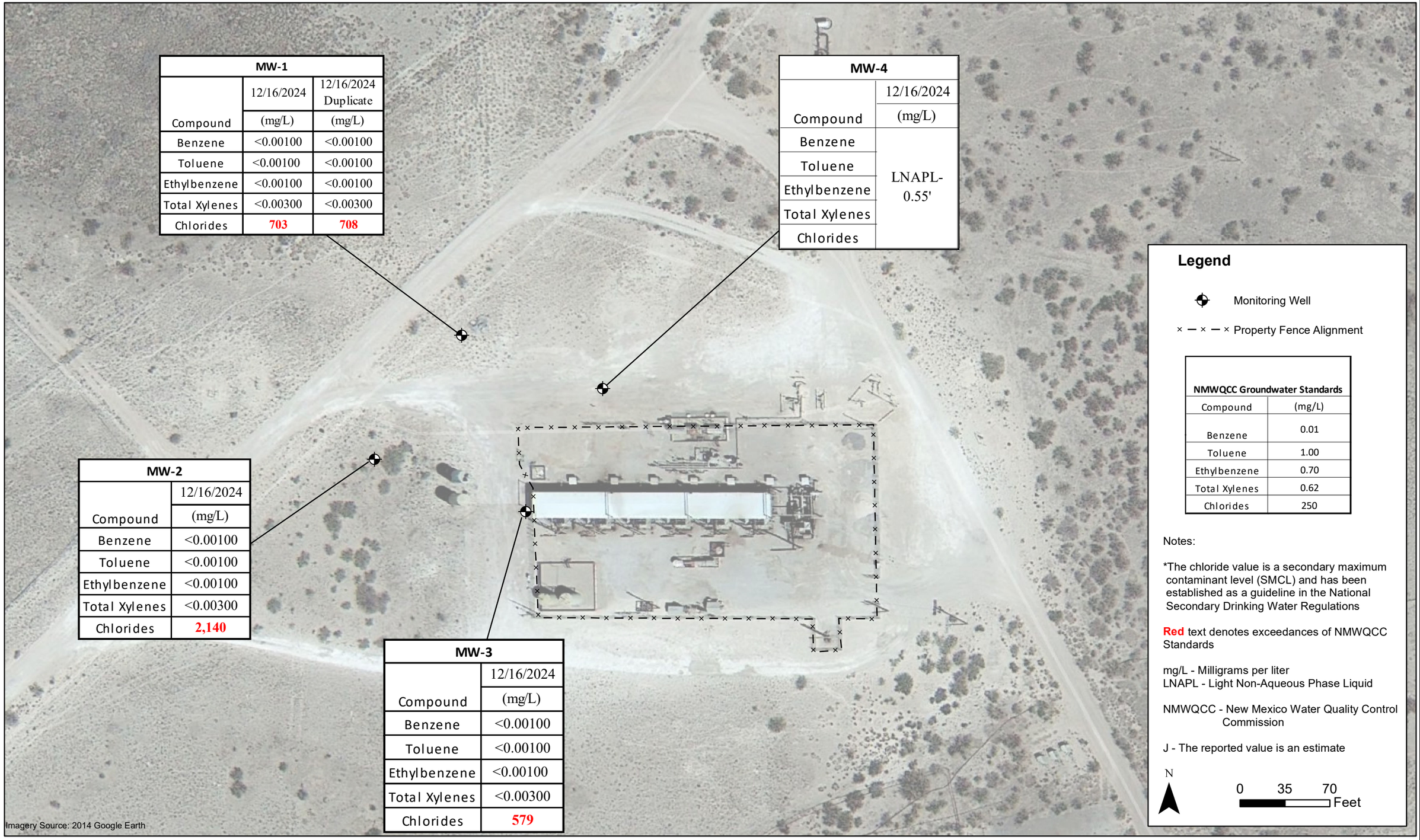
DATE: March 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Annual Groundwater Monitoring Report First Quarter	Analytical Results Map (March 21, 2024)	Figure 7



DATE: July 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Annual Groundwater Monitoring Report Second Quarter	Analytical Results Map (June 20, 2024)	Figure 8



DATE: October 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Annual Groundwater Monitoring Report Third Quarter	Analytical Results Map (September 26, 2024)	Figure 9



DATE: December 2024 DESIGNED BY: B. Dennis DRAWN BY: K. Stark	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Operating Company, LP** **Burton Flats Booster Station** 2024 Annual Groundwater Monitoring Report Third Quarter	Analytical Results Map (December 16, 2024)	Figure 10

Appendix A

Historical Analytical Results

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-1	12/14/2011	**0.140**	0.0034	0.200	0.111	**665**	Duplicate sample collected
MW-1	4/26/2012	**0.153**	<0.001	0.229	0.0073	**584**	
MW-1	6/20/2012	**0.0967**	<0.001	0.284	0.0474	**651**	Duplicate sample collected
MW-1	9/26/2012	**0.0615**	<0.001	0.0803	0.0015	**590**	
MW-1	12/5/2012	**0.020**	<0.001	0.17	0.037	**599**	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	**668**	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	**703**	Duplicate sample collected
MW-1	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	2/26/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	6/2/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	9/24/2014	Third Quarter 2014 Sampling Suspended - Regional Flooding					
MW-1	12/3/2014	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	2/27/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	6/2/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	8/31/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/15/2015	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	3/21/2016	**0.0450**	<0.0010	0.080	0.010	**685**	
MW-1	6/20/2016	**0.082**	<0.0010	0.10	0.0072	**700**	
MW-1	9/26/2016	**0.035**	<0.0050	0.033	<0.015	**705**	
MW-1	12/19/2016	**0.051**	<0.0010	0.040	0.0035	**769**	
MW-1	3/6/2017	**0.044**	<0.0010	0.025	0.0012	**733**	Duplicate sample collected
MW-1 (Duplicate)	3/6/2017	**0.054**	<0.0010	0.035	0.0014	**740**	
MW-1	6/19/2017	**0.043**	<0.0010	0.020	<0.0010	**671**	
MW-1	9/27/2017	0.00867	<0.0010	0.00359	<0.0030	**649**	Duplicate Sample Collected
MW-1 (Duplicate)	9/27/2017	0.00958	<0.0010	0.00389	<0.0030	**608**	
MW-1	12/18/2017	**0.0204**	<0.0010	0.00522	<0.0030	**679**	Duplicate Sample Collected
MW-1 (Duplicate)	12/18/2017	**0.0179**	<0.0010	0.00502	<0.0030	**778**	
MW-1	3/12/2018	**0.0299**	<0.0010	0.0199	0.00114 J	**764**	Duplicate Sample Collected
MW-1 (Duplicate)	3/12/2018	**0.0399**	<0.0010	0.0230	<0.0030	**770**	
MW-1	6/25/2018	**0.0255**	<0.0010	0.0255	<0.0030	**623**	Duplicate Sample Collected
MW-1 (Duplicate)	6/25/2018	**0.0281**	<0.0010	0.0277	<0.0030	**632**	
MW-1	9/17/2018	**0.0115**	<0.0010	0.0063	<0.0030	**668**	Duplicate Sample Collected
MW-1 (Duplicate)	9/17/2018	**0.0105**	<0.0010	0.0060	<0.0030	**641**	
MW-1	12/10/2018	0.000641 J	<0.0010	0.00115	<0.0030	**1,180**	Duplicate Sample Collected
MW-1 (Duplicate)	12/10/2018	0.000712 J	<0.0010	0.00126	<0.0030	**1,230**	
MW-1	3/21/2019	0.0018	<0.0010	0.00159	<0.0030	**667**	Duplicate Sample Collected
MW-1 (Duplicate)	3/21/2019	0.0026	<0.0010	0.00144	<0.0030	**680**	
MW-1	6/13/2019	**0.0316**	<0.0010	0.0232	<0.0030	**774**	Duplicate Sample Collected
MW-1 (Duplicate)	6/13/2019	**0.0294**	<0.0010	0.0216	<0.0030	**768**	
MW-1	9/17/2019	0.00456	<0.0010	0.00219	<0.0030	**654**	Duplicate Sample Collected
MW-1 (Duplicate)	9/17/2019	0.0059	<0.0010	0.00272	<0.0030	**768**	
MW-1	12/9/2019	0.00713	<0.0010	0.00789	0.00161 J	**681**	Duplicate Sample Collected
MW-1 (Duplicate)	12/9/2019	0.00772	<0.0010	0.00827	0.00166 J	**684**	
MW-1	6/19/2020	**0.0278**	<0.0010	0.01900	0.00160 J	**908**	Duplicate Sample Collected
MW-1 (Duplicate)	6/19/2020	**0.0277**	<0.0010	0.01870	0.00139 J	**927**	
MW-1	12/11/2020	**0.0439**	<0.00100	0.0247	0.00770	**743**	Duplicate Sample Collected
MW-1 (Duplicate)	12/11/2020	**0.0445**	<0.00100	0.0248	0.00769	**734**	
MW-1	3/24/2021	**0.0386**	<0.00100	0.0224	0.00599	**786**	Duplicate Sample Collected
MW-1 (Duplicate)	3/24/2021	**0.0323**	<0.00100	0.0188	0.00456	**781**	
MW-1	6/18/2021	**0.0356**	<0.00100	0.0127	0.00263 J	**848**	Duplicate Sample Collected
MW-1 (Duplicate)	6/18/2021	**0.0375**	<0.00100	0.0136	0.00279 J	**844**	
MW-1	9/24/2021	**0.0403**	<0.00100	0.0138	0.00203 J	**814**	Duplicate Sample Collected

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-1 (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-1	3/16/2023	0.00872	<0.00100	0.00278	0.00111 J	**733**	Duplicate Sample Collected
MW-1 (Duplicate)	3/16/2023	**0.0125**	<0.00100	0.00300	0.000790 J	**711**	
MW-1	6/28/2023	0.00918	<0.00100	0.000311 J	<0.00300	**716**	Duplicate Sample Collected
MW-1 (Duplicate)	6/28/2023	0.00134	<0.00100	0.000411 J	<0.00300	**762**	
MW-1	9/28/2023	0.000269 J	<0.00100	<0.00100	<0.00300	**648**	Duplicate Sample Collected
MW-1 (Duplicate)	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	**788**	
MW-1	12/13/2023	0.00836	<0.00100	0.000374 J	<0.00300	**732**	Duplicate Sample Collected
MW-1 (Duplicate)	12/13/2023	0.00519	<0.00100	0.000261 J	<0.00300	**727**	
MW-1	3/21/2024	<0.00100	<0.00100	0.000439 J	<0.00300	**750**	Duplicate Sample Collected
MW-1 (Duplicate)	3/21/2024	0.00207	<0.00100	0.000365 J	<0.00300	**691**	
MW-1	6/20/2024	0.000717 J	<0.00100	<0.00100	<0.00300	**737**	Duplicate Sample Collected
MW-1 (Duplicate)	6/20/2024	0.000602 J	<0.00100	<0.00100	<0.00300	**735**	
MW-1	9/26/2024	0.000176 J	<0.00100	0.000293 J	<0.00300	**704**	Duplicate Sample Collected
MW-1 (Duplicate)	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	**697**	
MW-1	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**703**	Duplicate Sample Collected
MW-1 (Duplicate)	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**708**	
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**	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-2	6/20/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,280**	
MW-2	9/26/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,310**	
MW-2	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,560**	Duplicate sample collected
MW-2 (Duplicate)	12/19/2016	<0.0010	<0.0010	<0.0010	<0.0030	**1,350**	
MW-2	3/6/2017	<0.0010	<0.0010	<0.0010	<0.0010	**1,210**	
MW-2	6/19/2017	<0.0010	<0.0010	<0.0010	<0.0010	**1,480**	
MW-2	9/27/2017	<0.0010	<0.0010	<0.0010	<0.0030	**1,530**	
MW-2	12/18/2017	<0.0010	<0.0010	<0.0010	<0.0030	**1,300**	
MW-2	3/12/2018	<0.0010	<0.0010	<0.0010	<0.0030	**1,290**	
MW-2	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	**1,490**	
MW-2	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	**2,130**	
MW-2	12/10/2018	<0.0010	<0.0010	<0.0010	<0.0030	**3,780**	
MW-2	3/21/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,380**	
MW-2	6/13/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,860**	
MW-2	9/17/2019	<0.0010	<0.0010	<0.0010	<0.0030	**2,380**	
MW-2	12/9/2019	<0.0010	<0.0010	<0.0010	<0.0030	**1,870**	
MW-2	6/19/2020	<0.0010	<0.0010	<0.0010	<0.0030	**2,220**	
MW-2	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	**2,160**	
MW-2	3/24/2021	0.000195 J	<0.00100	<0.00100	<0.00300	**1,860**	
MW-2	6/18/2021	<0.00100	<0.00100	<0.00100	<0.00300	**2,120**	
MW-2	9/24/2021	<0.00100	<0.00100	<0.00100	<0.00300	**2,120**	
MW-2	12/21/2021	0.000114 J	<0.00100	<0.00100	<0.00300	**435**	
MW-2	3/23/2022	<0.00100	<0.00100	<0.00100	0.00112 J	**1,870**	
MW-2	6/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,220**	
MW-2	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,380**	
MW-2	12/7/2022	<0.00100	<0.00100	<0.00100	<0.00300	**2,380**	
MW-2	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	**1,790**	
MW-2	6/28/2023	0.000135 J	<0.00100	<0.00100	<0.00300	**1,840**	
MW-2	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	**2,320**	
MW-2	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	**2,220**	
MW-2	3/21/2024	<0.00100	<0.00100	<0.00100	<0.00300	**1,750**	
MW-2	6/20/2024	<0.00100	<0.00100	<0.00100	<0.00300	**2,250**	
MW-2	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	**2,580**	
MW-2	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**2,140**	
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**	

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Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-3	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**	
MW-3	3/24/2021	0.000352 J	0.000345 J	<0.00100	<0.00300	**410**	
MW-3	6/18/2021	<0.00100	<0.00100	<0.00100	<0.00300	**436**	
MW-3	9/24/2021	0.000125 J	<0.00100	<0.00100	<0.00300	**443**	
MW-3	12/21/2021	<0.00100	<0.00100	<0.00100	<0.00300	**1990**	
MW-3	3/23/2022	0.00110	0.00119	<0.00100	0.000290 J	**434**	
MW-3	6/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	**436**	
MW-3	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	**431**	
MW-3	12/7/2022	0.000191 J	<0.00100	<0.00100	<0.00300	**436**	
MW-3	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	**442**	
MW-3	6/28/2023	0.000132 J	<0.00100	<0.00100	<0.00300	**469**	
MW-3	9/28/2023	0.001	0.001	0.000269 J	0.000948 J	**414**	
MW-3	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	**474**	
MW-3	3/21/2024	<0.00100	<0.00100	<0.00100	<0.00300	**461**	
MW-3	6/20/2024	<0.00100	<0.00100	<0.00100	<0.00300	**462**	
MW-3	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	**531**	
MW-3	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	**579**	
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	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
MW-4	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	12/7/2022	Not Sampled - LNAPL					
MW-4	3/16/2023	Not Sampled - LNAPL					LNAPL (0.34')
MW-4	6/28/2023	Not Sampled - LNAPL					LNAPL (1.02')
MW-4	9/28/2023	Not Sampled - LNAPL					LNAPL (1.56')
MW-4	12/13/2023	Not Sampled - LNAPL					LNAPL (0.74')
MW-4	3/21/2024	<0.00500	<0.00500	**1.07**	**2.24**	**3,530**	
MW-4	6/20/2024	Not Sampled - LNAPL					
MW-4	9/26/2024	Not Sampled - LNAPL					
MW-4	12/16/2024	Not Sampled - LNAPL					
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	

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

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
NMWQCC Groundwater Standards (mg/L)		**0.01**	**1.00**	**0.70**	**0.62**	**250**	
Trip Blank	6/25/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	9/17/2018	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/9/2019	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	6/19/2020	<0.0010	<0.0010	<0.0010	<0.0030	NA	
Trip Blank	12/11/2020	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/24/2021	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/18/2021	NA	NA	NA	NA	NA	
Trip Blank	9/24/2021	0.000372 J	<0.00100	<0.00100	<0.00100	NA	
Trip Blank	12/21/2021	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/23/2022	NA	NA	NA	NA	NA	No Trip Blank
Trip Blank	6/24/2022	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/19/2022	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/7/2022	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/28/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/13/2023	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	3/21/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	6/20/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	9/26/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	
Trip Blank	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00300	NA	

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

Appendix B

Laboratory Analytical Report

- Pace Analytical Job #: L1718105
- Pace Analytical Job #: L1748984
- Pace Analytical Job #: L1782803
- Pace Analytical Job #: L1810397

Pace Analytical®

ANALYTICAL REPORT

April 02, 2024

DCP Midstream - Tasman

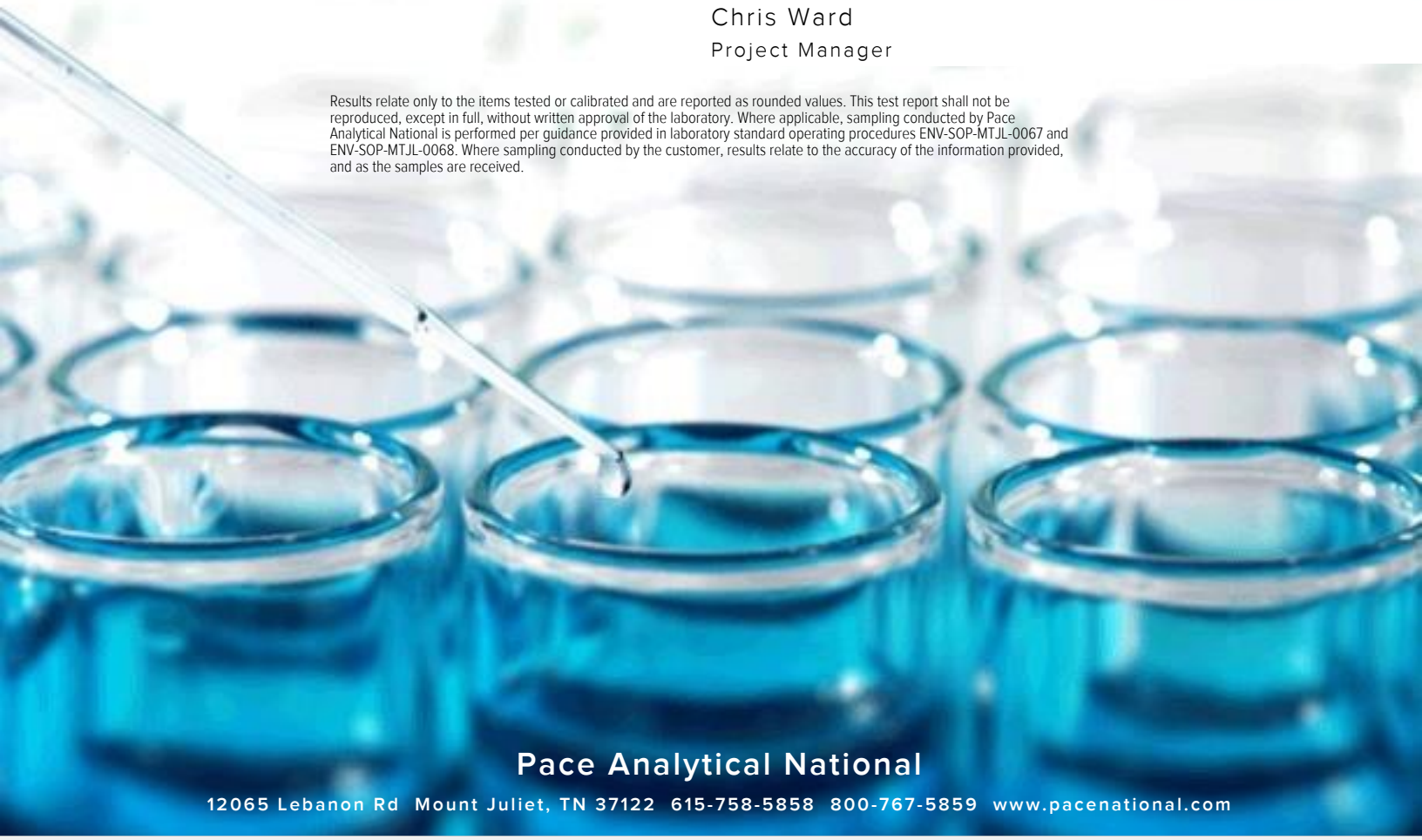
Sample Delivery Group:	L1718105
Samples Received:	03/22/2024
Project Number:	311090017
Description:	Burton Flats Booster Station

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager

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



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

TABLE OF CONTENTS

MW-1 L1718105-01 GW

Collected by: Kendon Stark | Collected date/time: 03/21/24 09:09 | Received date/time: 03/22/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2254749	10	03/29/24 06:27	03/29/24 06:27	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2253775	1	03/26/24 16:47	03/26/24 16:47	BAM	Mt. Juliet, TN

MW-2 L1718105-02 GW

Collected by: Kendon Stark | Collected date/time: 03/21/24 09:31 | Received date/time: 03/22/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2254760	20	03/29/24 20:19	03/29/24 20:19	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2253775	1	03/26/24 17:10	03/26/24 17:10	BAM	Mt. Juliet, TN

MW-3 L1718105-03 GW

Collected by: Kendon Stark | Collected date/time: 03/21/24 09:46 | Received date/time: 03/22/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2254760	5	03/29/24 20:32	03/29/24 20:32	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2253775	1	03/26/24 17:33	03/26/24 17:33	BAM	Mt. Juliet, TN

MW-4 L1718105-04 GW

Collected by: Kendon Stark | Collected date/time: 03/21/24 10:15 | Received date/time: 03/22/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2254760	100	03/29/24 20:45	03/29/24 20:45	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2253775	500	03/26/24 21:20	03/26/24 21:20	BAM	Mt. Juliet, TN

DUPLICATE L1718105-05 GW

Collected by: Kendon Stark | Collected date/time: 03/21/24 00:00 | Received date/time: 03/22/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2254760	20	03/29/24 20:58	03/29/24 20:58	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2253775	1	03/26/24 17:56	03/26/24 17:56	BAM	Mt. Juliet, TN

TRIP BLANK L1718105-06 GW

Collected by: Kendon Stark | Collected date/time: 03/21/24 14:56 | Received date/time: 03/22/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2253775	1	03/26/24 13:46	03/26/24 13:46	BAM	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward

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	750		3.79	10.0	10	03/29/2024 06:27	WG2254749

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/26/2024 16:47	WG2253775
Toluene	U		0.000278	0.00100	1	03/26/2024 16:47	WG2253775
Ethylbenzene	0.000439	J	0.000137	0.00100	1	03/26/2024 16:47	WG2253775
Total Xylenes	U		0.000174	0.00300	1	03/26/2024 16:47	WG2253775
(S) Toluene-d8	*108*			*80.0-120*		*03/26/2024 16:47*	WG2253775
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*03/26/2024 16:47*	WG2253775
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/26/2024 16:47*	WG2253775

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	1750		7.58	20.0	20	03/29/2024 20:19	WG2254760

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/26/2024 17:10	WG2253775
Toluene	U		0.000278	0.00100	1	03/26/2024 17:10	WG2253775
Ethylbenzene	U		0.000137	0.00100	1	03/26/2024 17:10	WG2253775
Total Xylenes	U		0.000174	0.00300	1	03/26/2024 17:10	WG2253775
(S) Toluene-d8	*107*			*80.0-120*		*03/26/2024 17:10*	WG2253775
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*03/26/2024 17:10*	WG2253775
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/26/2024 17:10*	WG2253775

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	461		1.90	5.00	5	03/29/2024 20:32	WG2254760

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/26/2024 17:33	WG2253775
Toluene	U		0.000278	0.00100	1	03/26/2024 17:33	WG2253775
Ethylbenzene	U		0.000137	0.00100	1	03/26/2024 17:33	WG2253775
Total Xylenes	U		0.000174	0.00300	1	03/26/2024 17:33	WG2253775
(S) Toluene-d8	*107*			*80.0-120*		*03/26/2024 17:33*	WG2253775
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/26/2024 17:33*	WG2253775
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*03/26/2024 17:33*	WG2253775

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	3530		37.9	100	100	03/29/2024 20:45	WG2254760

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		0.0471	0.500	500	03/26/2024 21:20	WG2253775
Toluene	U		0.139	0.500	500	03/26/2024 21:20	WG2253775
Ethylbenzene	1.07		0.0685	0.500	500	03/26/2024 21:20	WG2253775
Total Xylenes	2.24		0.0870	1.50	500	03/26/2024 21:20	WG2253775
(S) Toluene-d8	*108*			*80.0-120*		*03/26/2024 21:20*	WG2253775
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*03/26/2024 21:20*	WG2253775
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*03/26/2024 21:20*	WG2253775

Sample Narrative:

L1718105-04 WG2253775: Non-target compounds too high to run at a lower dilution.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	691		7.58	20.0	20	03/29/2024 20:58	WG2254760

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	0.00207		0.0000941	0.00100	1	03/26/2024 17:56	WG2253775
Toluene	U		0.000278	0.00100	1	03/26/2024 17:56	WG2253775
Ethylbenzene	0.000365	J	0.000137	0.00100	1	03/26/2024 17:56	WG2253775
Total Xylenes	U		0.000174	0.00300	1	03/26/2024 17:56	WG2253775
(S) Toluene-d8	*109*			*80.0-120*		*03/26/2024 17:56*	WG2253775
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*03/26/2024 17:56*	WG2253775
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*03/26/2024 17:56*	WG2253775

TRIP BLANK
Collected date/time: 03/21/24 14:56
L1718105

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/26/2024 13:46	WG2253775
Toluene	U		0.000278	0.00100	1	03/26/2024 13:46	WG2253775
Ethylbenzene	U		0.000137	0.00100	1	03/26/2024 13:46	WG2253775
Total Xylenes	U		0.000174	0.00300	1	03/26/2024 13:46	WG2253775
(S) Toluene-d8	*108*			*80.0-120*		*03/26/2024 13:46*	WG2253775
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*03/26/2024 13:46*	WG2253775
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*03/26/2024 13:46*	WG2253775

Method Blank (MB)

(MB) R4051711-1 03/28/24 23:04

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

L1717997-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1717997-04 03/29/24 01:34 • (DUP) R4051711-3 03/29/24 02:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	5.47	5.36	1	2.07		15

L1718088-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1718088-06 03/29/24 05:36 • (DUP) R4051711-6 03/29/24 05:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4.03	4.02	1	0.201		15

Laboratory Control Sample (LCS)

(LCS) R4051711-2 03/28/24 23:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.7	99.3	80.0-120	

L1717997-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1717997-04 03/29/24 01:34 • (MS) R4051711-4 03/29/24 02:25 • (MSD) R4051711-5 03/29/24 02:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	5.47	46.1	45.8	102	101	1	80.0-120			0.735	15

L1718088-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1718088-06 03/29/24 05:36 • (MS) R4051711-7 03/29/24 06:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	4.03	44.1	100	1	80.0-120	

Method Blank (MB)

(MB) R4052400-1 03/29/24 08:48

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

Method Blank (MB)

(MB) R4052613-3 04/01/24 11:26

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

L1716989-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1716989-18 03/29/24 19:27 • (DUP) R4052400-3 03/29/24 19:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	13.0	13.3	1	1.68		15

Laboratory Control Sample (LCS)

(LCS) R4052400-2 03/29/24 09:01

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

Laboratory Control Sample (LCS)

(LCS) R4052613-4 04/01/24 11:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.9	99.8	80.0-120	

L1716989-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1716989-18 03/29/24 19:27 • (MS) R4052400-4 03/29/24 19:53 • (MSD) R4052400-5 03/29/24 20:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	13.0	50.5	50.9	93.8	94.6	1	80.0-120			0.687	15

L1718112-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1718112-10 04/01/24 18:50 • (MS) R4052613-2 04/01/24 19:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	10200	8010	0.000	1	80.0-120	E V

Sample Narrative:

MS: spike failed due to sample matrix

Method Blank (MB)

(MB) R4050779-4 03/26/24 12:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*107*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R4050779-1 03/26/24 10:41 • (LCSD) R4050779-2 03/26/24 11:04

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	0.00439	0.00444	87.8	88.8	70.0-123			1.13	20
Toluene	0.00500	0.00495	0.00492	99.0	98.4	79.0-120			0.608	20
Ethylbenzene	0.00500	0.00479	0.00469	95.8	93.8	79.0-123			2.11	20
Total Xylenes	0.0150	0.0143	0.0143	95.3	95.3	79.0-123			0.000	20
(S) Toluene-d8				*110*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*109*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*105*	*70.0-130*				

L1718110-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1718110-01 03/26/24 19:04 • (MS) R4050779-5 03/26/24 21:43 • (MSD) R4050779-6 03/26/24 22:06

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	0.00364	0.00386	72.8	77.2	1	17.0-158			5.87	27
Toluene	0.00500	U	0.00418	0.00440	83.6	88.0	1	26.0-154			5.13	28
Ethylbenzene	0.00500	U	0.00428	0.00448	85.6	89.6	1	30.0-155			4.57	27
Total Xylenes	0.0150	U	0.0128	0.0133	85.3	88.7	1	29.0-154			3.83	28
(S) Toluene-d8					*108*	*109*		*80.0-120*				
(S) 4-Bromofluorobenzene					*107*	*110*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*106*	*107*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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

Company Name/Address:
DCP Midstream - Tasman

2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody

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

Report to:
Brett Dennis

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

Project Description:
Burton Flats Booster Station

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project #
DCPTASMAN-BURTONFLAT

SDG # L1718105

Tab G119

Collected by (print):
Kendon Stack

Site/Facility ID #

P.O. #
0000661900

Acctnum: DCPTASMAN

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed

Template: **T127771**
Prelogin: **P1060763**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-1	Grab	GW	NA	3/21/24	09:09	4	X	X			-01
MW-2		GW			09:31	4	X	X			-02
MW-3		GW			09:46	4	X	X			-03
MW-4		GW			10:15	4	X	X			-04
DUPLICATE		GW			—	4	X	X			-05
		GW				4	X	X			
TRIP BLANK	—	GW	—		14:56	3			X		-06

* 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 # 664343087396

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Kendon Stack	3/21/24	15:09		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: MUST BE °C 4.1+0=4.1 Bottles Received: 20	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [illegible]	Date: 3-22-24 Time: 9:00	Hold: Condition: NCF / OK

ANALYTICAL REPORT

July 15, 2024

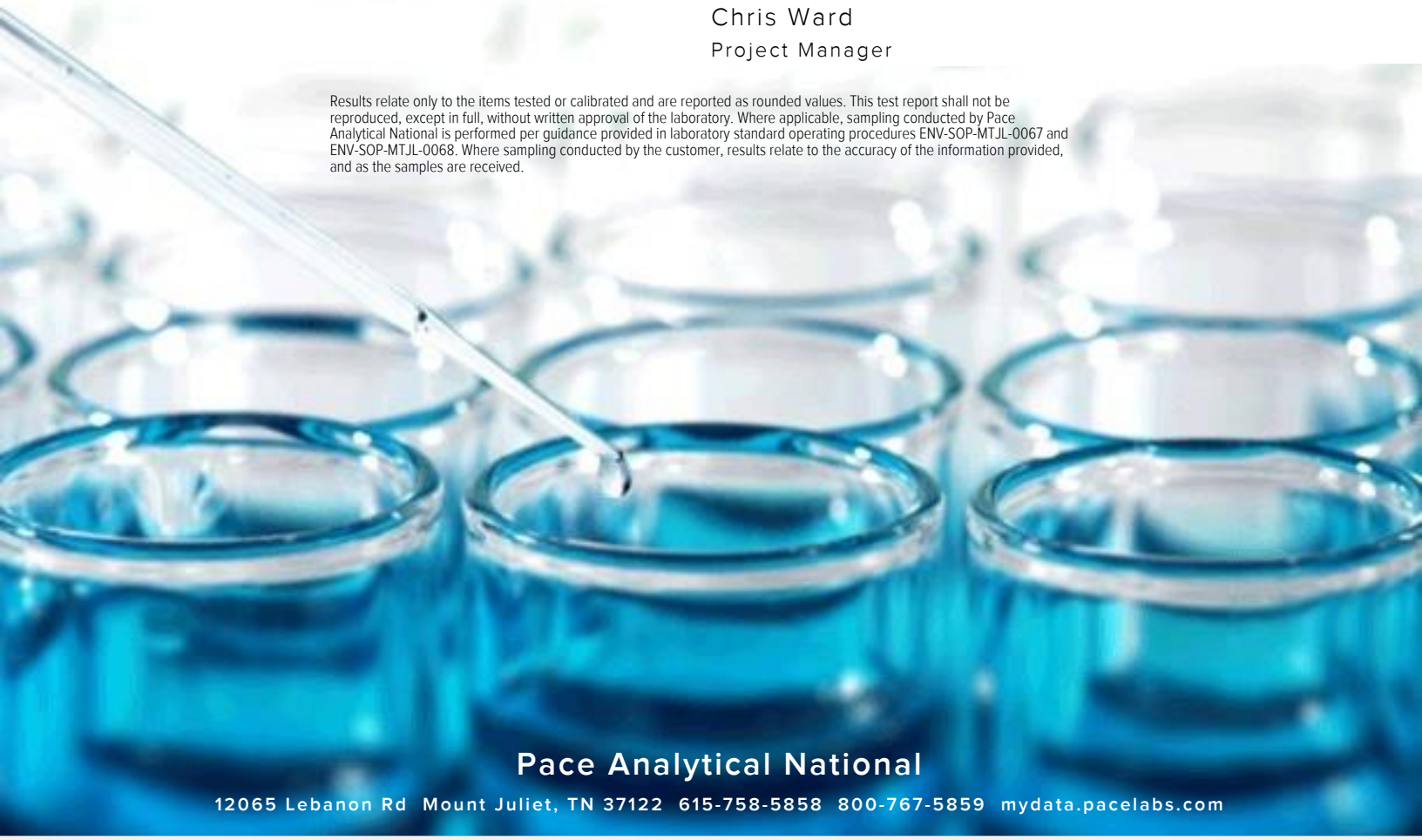
Phillips 66 - Tasman

Sample Delivery Group:	L1748984
Samples Received:	06/20/2024
Project Number:	311090017
Description:	Burton Flats Booster Station

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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

TABLE OF CONTENTS

MW-1 L1748984-01 GW

Collected by: Kendon Stark | Collected date/time: 06/19/24 09:25 | Received date/time: 06/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2320364	10	07/11/24 22:40	07/11/24 22:40	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2312069	1	06/26/24 04:07	06/26/24 04:07	ACG	Mt. Juliet, TN

MW-2 L1748984-02 GW

Collected by: Kendon Stark | Collected date/time: 06/19/24 09:40 | Received date/time: 06/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2320364	100	07/11/24 22:53	07/11/24 22:53	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2312069	1	06/26/24 04:26	06/26/24 04:26	ACG	Mt. Juliet, TN

MW-3 L1748984-03 GW

Collected by: Kendon Stark | Collected date/time: 06/19/24 09:52 | Received date/time: 06/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2320364	5	07/11/24 23:31	07/11/24 23:31	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2312239	1	06/26/24 08:02	06/26/24 08:02	JHH	Mt. Juliet, TN

DUPLICATE L1748984-04 GW

Collected by: Kendon Stark | Collected date/time: 06/19/24 00:00 | Received date/time: 06/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2320364	10	07/11/24 23:44	07/11/24 23:44	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2312239	1	06/26/24 08:21	06/26/24 08:21	JHH	Mt. Juliet, TN

TRIP BLANK L1748984-05 GW

Collected by: Kendon Stark | Collected date/time: 06/19/24 13:52 | Received date/time: 06/20/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2312239	1	06/26/24 07:24	06/26/24 07:24	JHH	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward

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	737		3.79	10.0	10	07/11/2024 22:40	WG2320364

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	0.000717	J	0.0000941	0.00100	1	06/26/2024 04:07	WG2312069
Toluene	U		0.000278	0.00100	1	06/26/2024 04:07	WG2312069
Ethylbenzene	U		0.000137	0.00100	1	06/26/2024 04:07	WG2312069
Total Xylenes	U		0.000174	0.00300	1	06/26/2024 04:07	WG2312069
(S) Toluene-d8	*103*			*80.0-120*		*06/26/2024 04:07*	WG2312069
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*06/26/2024 04:07*	WG2312069
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*06/26/2024 04:07*	WG2312069

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2250		37.9	100	100	07/11/2024 22:53	WG2320364

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	06/26/2024 04:26	WG2312069
Toluene	U		0.000278	0.00100	1	06/26/2024 04:26	WG2312069
Ethylbenzene	U		0.000137	0.00100	1	06/26/2024 04:26	WG2312069
Total Xylenes	U		0.000174	0.00300	1	06/26/2024 04:26	WG2312069
(S) Toluene-d8	*101*			*80.0-120*		*06/26/2024 04:26*	WG2312069
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*06/26/2024 04:26*	WG2312069
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*06/26/2024 04:26*	WG2312069

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	462		1.90	5.00	5	07/11/2024 23:31	WG2320364

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	06/26/2024 08:02	WG2312239
Toluene	U		0.000278	0.00100	1	06/26/2024 08:02	WG2312239
Ethylbenzene	U		0.000137	0.00100	1	06/26/2024 08:02	WG2312239
Total Xylenes	U		0.000174	0.00300	1	06/26/2024 08:02	WG2312239
(S) Toluene-d8	*101*			*80.0-120*		*06/26/2024 08:02*	WG2312239
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*06/26/2024 08:02*	WG2312239
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/26/2024 08:02*	WG2312239

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	735		3.79	10.0	10	07/11/2024 23:44	WG2320364

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	0.000602	J	0.0000941	0.00100	1	06/26/2024 08:21	WG2312239
Toluene	U		0.000278	0.00100	1	06/26/2024 08:21	WG2312239
Ethylbenzene	U		0.000137	0.00100	1	06/26/2024 08:21	WG2312239
Total Xylenes	U		0.000174	0.00300	1	06/26/2024 08:21	WG2312239
(S) Toluene-d8	*102*			*80.0-120*		*06/26/2024 08:21*	WG2312239
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*06/26/2024 08:21*	WG2312239
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/26/2024 08:21*	WG2312239

TRIP BLANK
Collected date/time: 06/19/24 13:52
L1748984

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	06/26/2024 07:24	WG2312239
Toluene	U		0.000278	0.00100	1	06/26/2024 07:24	WG2312239
Ethylbenzene	U		0.000137	0.00100	1	06/26/2024 07:24	WG2312239
Total Xylenes	U		0.000174	0.00300	1	06/26/2024 07:24	WG2312239
(S) Toluene-d8	*102*			*80.0-120*		*06/26/2024 07:24*	WG2312239
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*06/26/2024 07:24*	WG2312239
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/26/2024 07:24*	WG2312239

Method Blank (MB)

(MB) R4093019-1 07/11/24 20:19

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

L1748973-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1748973-01 07/11/24 21:10 • (DUP) R4093019-3 07/11/24 21:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1.70	1.55	1	9.36		15

L1749495-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1749495-06 07/12/24 02:31 • (DUP) R4093019-6 07/12/24 02:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4.35	4.36	1	0.175		15

Laboratory Control Sample (LCS)

(LCS) R4093019-2 07/11/24 20:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.9	97.2	80.0-120	

L1748973-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1748973-01 07/11/24 21:10 • (MS) R4093019-4 07/11/24 21:36 • (MSD) R4093019-5 07/11/24 21:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	1.70	40.7	40.7	97.6	97.5	1	80.0-120			0.132	15

L1749495-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1749495-06 07/12/24 02:31 • (MS) R4093019-7 07/12/24 02:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	4.35	42.7	95.8	1	80.0-120	

Method Blank (MB)

(MB) R4086854-3 06/25/24 20:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*99.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

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

(LCS) R4086854-1 06/25/24 19:16 • (LCSD) R4086854-2 06/25/24 19:35

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	0.00515	0.00534	103	107	70.0-123			3.62	20
Toluene	0.00500	0.00460	0.00499	92.0	99.8	79.0-120			8.13	20
Ethylbenzene	0.00500	0.00447	0.00469	89.4	93.8	79.0-123			4.80	20
Total Xylenes	0.0150	0.0140	0.0146	93.3	97.3	79.0-123			4.20	20
(S) Toluene-d8				*97.3*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.9*	*98.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*116*	*70.0-130*				

Method Blank (MB)

(MB) R4087103-3 06/26/24 07:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R4087103-1 06/26/24 06:07 • (LCSD) R4087103-2 06/26/24 06:26

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	0.00438	0.00475	87.6	95.0	70.0-123			8.11	20
Toluene	0.00500	0.00424	0.00441	84.8	88.2	79.0-120			3.93	20
Ethylbenzene	0.00500	0.00420	0.00424	84.0	84.8	79.0-123			0.948	20
Total Xylenes	0.0150	0.0122	0.0128	81.3	85.3	79.0-123			4.80	20
(S) Toluene-d8				*102*	*98.5*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*105*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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

Company Name/Address:
Phillips 66 - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace 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 # 1748984
F118

Report to: Brett Dennis

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

Project Description: Burton Flats Booster Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: 720-218-4003

Client Project #

Lab Project # DCPTASMAN-BURTONFLAT

Collected by (print): Kendan Stark

Site/Facility ID #

P.O. # 4301350826

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

Acctnum: DCPTASMAN
Template: T127771
Prelogin: P1080152
PM: 824 - Chris Ward
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-1	Grab	GW	NA	6.19.24	09:25	4	X	X			-01
MW-2	↓	GW	↓	↓	09:40	4	X	X			-02
MW-3	↓	GW	↓	↓	09:52	4	X	X			-03
~~MW-4~~		~~GW~~				~~4~~	~~X~~	~~X~~			
DUPLICATE	↓	GW	↓	↓	NA	4	X	X			-04
	↓	GW	↓	↓		4	X	X			
TRIP BLANK	↓	GW	↓	↓	13:52	3			X		-05

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via: __ UPS __ FedEx __ Courier ________

Tracking # 7315 3193 9153

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	6.19.24	14:03		3	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: EDA7°C 2.4+0.3=2.7 Bottles Received: 16	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) CRoden	Date: 6/20/24 Time: 0900	Hold: Condition: NCF / OK

ANALYTICAL REPORT

October 08, 2024

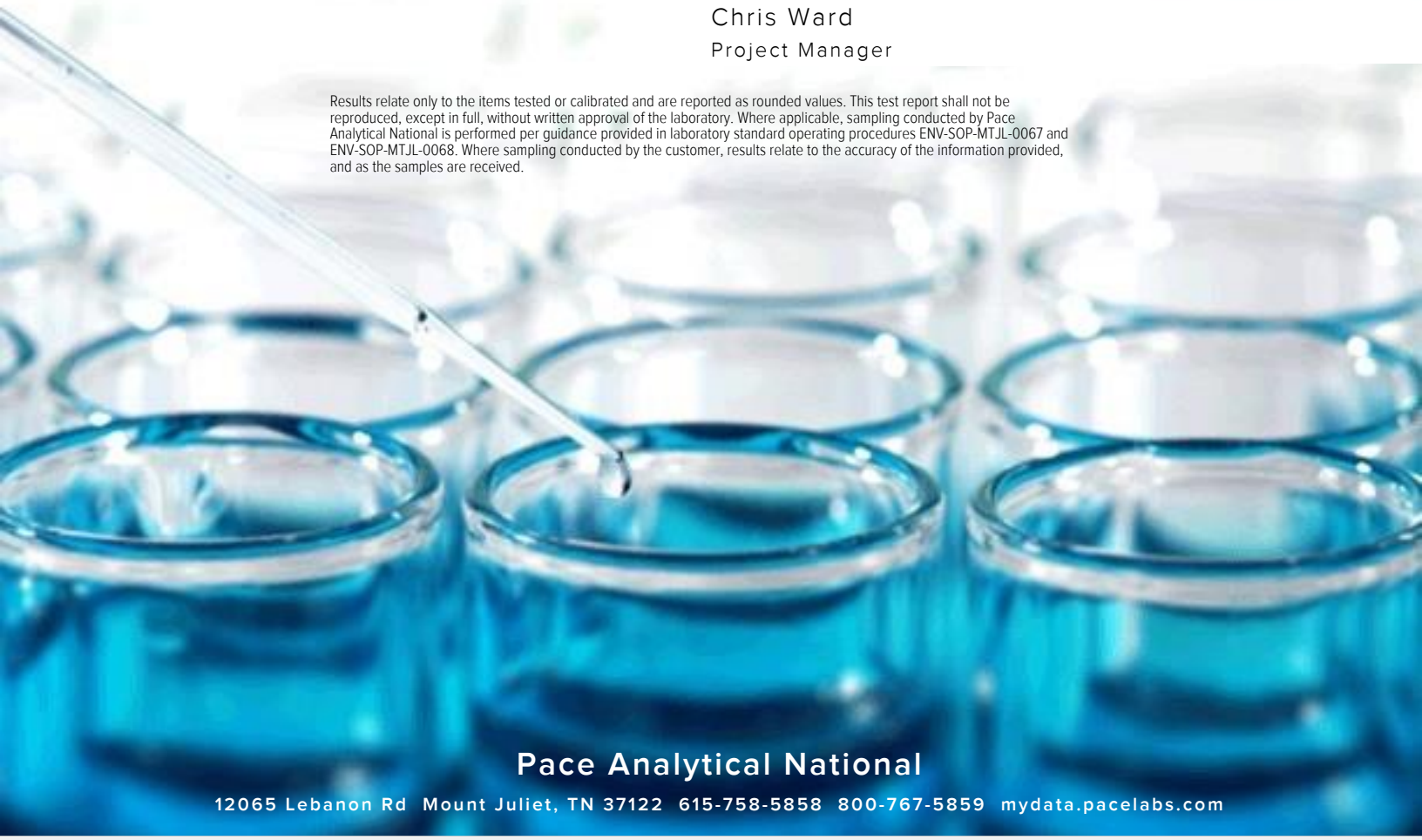
Phillips 66 - Tasman

Sample Delivery Group:	L1782803
Samples Received:	09/27/2024
Project Number:	311090017
Description:	Burton Flats Booster Station

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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

TABLE OF CONTENTS

MW-1 L1782803-01 GW

Collected by: Kendon Stark | Collected date/time: 09/26/24 08:42 | Received date/time: 09/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2370904	10	09/29/24 19:21	09/29/24 19:21	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2374716	1	10/03/24 06:07	10/03/24 06:07	DWR	Mt. Juliet, TN

MW-2 L1782803-02 GW

Collected by: Kendon Stark | Collected date/time: 09/26/24 08:55 | Received date/time: 09/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2370904	50	09/29/24 19:30	09/29/24 19:30	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2374716	1	10/03/24 06:29	10/03/24 06:29	DWR	Mt. Juliet, TN

MW-3 L1782803-03 GW

Collected by: Kendon Stark | Collected date/time: 09/26/24 09:04 | Received date/time: 09/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2370904	10	09/29/24 19:40	09/29/24 19:40	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2374716	1	10/03/24 06:52	10/03/24 06:52	DWR	Mt. Juliet, TN

DUPLICATE L1782803-04 GW

Collected by: Kendon Stark | Collected date/time: 09/26/24 00:00 | Received date/time: 09/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2370904	10	09/29/24 19:49	09/29/24 19:49	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2374716	1	10/03/24 07:14	10/03/24 07:14	DWR	Mt. Juliet, TN

TRIP BLANK L1782803-05 GW

Collected by: Kendon Stark | Collected date/time: 09/26/24 00:00 | Received date/time: 09/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2374716	1	10/03/24 02:49	10/03/24 02:49	DWR	Mt. Juliet, TN

CASE NARRATIVE

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

Chris Ward

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	704		5.47	10.0	10	09/29/2024 19:21	WG2370904

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	0.000176	J	0.0000941	0.00100	1	10/03/2024 06:07	WG2374716
Toluene	U		0.000278	0.00100	1	10/03/2024 06:07	WG2374716
Ethylbenzene	0.000293	J	0.000137	0.00100	1	10/03/2024 06:07	WG2374716
Total Xylenes	U		0.000174	0.00300	1	10/03/2024 06:07	WG2374716
(S) Toluene-d8	*95.0*			*80.0-120*		*10/03/2024 06:07*	WG2374716
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/03/2024 06:07*	WG2374716
(S) 1,2-Dichloroethane-d4	*79.4*			*70.0-130*		*10/03/2024 06:07*	WG2374716

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2580		27.4	50.0	50	09/29/2024 19:30	WG2370904

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/03/2024 06:29	WG2374716
Toluene	U		0.000278	0.00100	1	10/03/2024 06:29	WG2374716
Ethylbenzene	U		0.000137	0.00100	1	10/03/2024 06:29	WG2374716
Total Xylenes	U		0.000174	0.00300	1	10/03/2024 06:29	WG2374716
(S) Toluene-d8	*95.3*			*80.0-120*		*10/03/2024 06:29*	WG2374716
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*10/03/2024 06:29*	WG2374716
(S) 1,2-Dichloroethane-d4	*81.4*			*70.0-130*		*10/03/2024 06:29*	WG2374716

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	531		5.47	10.0	10	09/29/2024 19:40	WG2370904

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/03/2024 06:52	WG2374716
Toluene	U		0.000278	0.00100	1	10/03/2024 06:52	WG2374716
Ethylbenzene	U		0.000137	0.00100	1	10/03/2024 06:52	WG2374716
Total Xylenes	U		0.000174	0.00300	1	10/03/2024 06:52	WG2374716
(S) Toluene-d8	*96.4*			*80.0-120*		*10/03/2024 06:52*	WG2374716
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/03/2024 06:52*	WG2374716
(S) 1,2-Dichloroethane-d4	*81.9*			*70.0-130*		*10/03/2024 06:52*	WG2374716

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	697		5.47	10.0	10	09/29/2024 19:49	WG2370904

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/03/2024 07:14	WG2374716
Toluene	U		0.000278	0.00100	1	10/03/2024 07:14	WG2374716
Ethylbenzene	U		0.000137	0.00100	1	10/03/2024 07:14	WG2374716
Total Xylenes	U		0.000174	0.00300	1	10/03/2024 07:14	WG2374716
(S) Toluene-d8	*95.4*			*80.0-120*		*10/03/2024 07:14*	WG2374716
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/03/2024 07:14*	WG2374716
(S) 1,2-Dichloroethane-d4	*79.9*			*70.0-130*		*10/03/2024 07:14*	WG2374716

TRIP BLANK
Collected date/time: 09/26/24 00:00
L1782803

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	10/03/2024 02:49	WG2374716
Toluene	U		0.000278	0.00100	1	10/03/2024 02:49	WG2374716
Ethylbenzene	U		0.000137	0.00100	1	10/03/2024 02:49	WG2374716
Total Xylenes	U		0.000174	0.00300	1	10/03/2024 02:49	WG2374716
(S) Toluene-d8	*91.2*			*80.0-120*		*10/03/2024 02:49*	WG2374716
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*10/03/2024 02:49*	WG2374716
(S) 1,2-Dichloroethane-d4	*81.7*			*70.0-130*		*10/03/2024 02:49*	WG2374716

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

Method Blank (MB)

(MB) R4126824-1 09/29/24 16:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00

L1782270-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1782270-04 09/29/24 17:17 • (DUP) R4126824-3 09/29/24 17:27

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	105	103	1	1.87		15

L1782342-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1782342-03 09/29/24 18:43 • (DUP) R4126824-6 09/29/24 18:52

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4126824-2 09/29/24 16:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.8	99.5	80.0-120	

L1782270-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1782270-04 09/29/24 17:17 • (MS) R4126824-4 09/29/24 17:36 • (MSD) R4126824-5 09/29/24 17:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	105	125	127	51.3	54.8	1	80.0-120	J6	J6	1.10	15

L1782342-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1782342-03 09/29/24 18:43 • (MS) R4126824-7 09/29/24 19:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	U	39.6	99.0	1	80.0-120	

Method Blank (MB)

(MB) R4129550-3 10/03/24 02:05

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
Total Xylenes	U		0.000174	0.00300
(S) Toluene-d8	*91.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*108*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*

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

(LCS) R4129550-1 10/03/24 00:04 • (LCSD) R4129550-2 10/03/24 01:12

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	0.00464	0.00439	92.8	87.8	70.0-123			5.54	20
Toluene	0.00500	0.00427	0.00416	85.4	83.2	79.0-120			2.61	20
Ethylbenzene	0.00500	0.00495	0.00471	99.0	94.2	79.0-123			4.97	20
Total Xylenes	0.0150	0.0149	0.0143	99.3	95.3	79.0-123			4.11	20
(S) Toluene-d8				*92.4*	*94.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*83.3*	*80.1*	*70.0-130*				

L1782745-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1782745-20 10/03/24 08:41 • (MS) R4129550-4 10/03/24 10:09 • (MSD) R4129550-5 10/03/24 10:32

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	0.250	2.67	3.11	3.21	176	216	50	17.0-158	V	V	3.16	27
Toluene	0.250	0.0180	0.230	0.232	84.8	85.6	50	26.0-154			0.866	28
Ethylbenzene	0.250	0.308	0.579	0.614	108	122	50	30.0-155			5.87	27
Total Xylenes	0.750	0.492	1.27	1.31	104	109	50	29.0-154			3.10	28
(S) Toluene-d8					*93.9*	*96.8*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.4*	*99.2*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*73.6*	*75.3*		*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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

Company Name/Address:
Phillips 66 - Tasman
2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to:
Brett Dennis

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

Project Description:
Burton Flats Booster Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project #
DCPTASMAN-BURTONFLAT

Collected by (print):
Kendon Stark

Site/Facility ID #

P.O. #
4301466728

Collected by (signature):

Immediately
Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed

Analysis / Container / Preservative

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 # L782803
B158

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P1101081**
PM: **824 - Chris Ward**
PB: 9.10.24 BK
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-1	Grab	GW	NA	9/26/24	08:42	4	X	X			-01
MW-2		GW			06:55	4	X	X			-02
MW-3		GW			09:04	4	X	X			-03
MW-4		GW									
DUPLICATE		GW			—	4	X	X			-04
		GW									
TRIP BLANK		GW			—	4			X		-05

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4102 9173 2469 96

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Kendon Stark	9/26/24	14:30		4	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: MC+9°C 2.5+3=2.8 Bottles Received: 16	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) alexa mitchem	Date: 9/27/24 Time: 0900	Hold: Condition: NCF / OK

ANALYTICAL REPORT

December 20, 2024

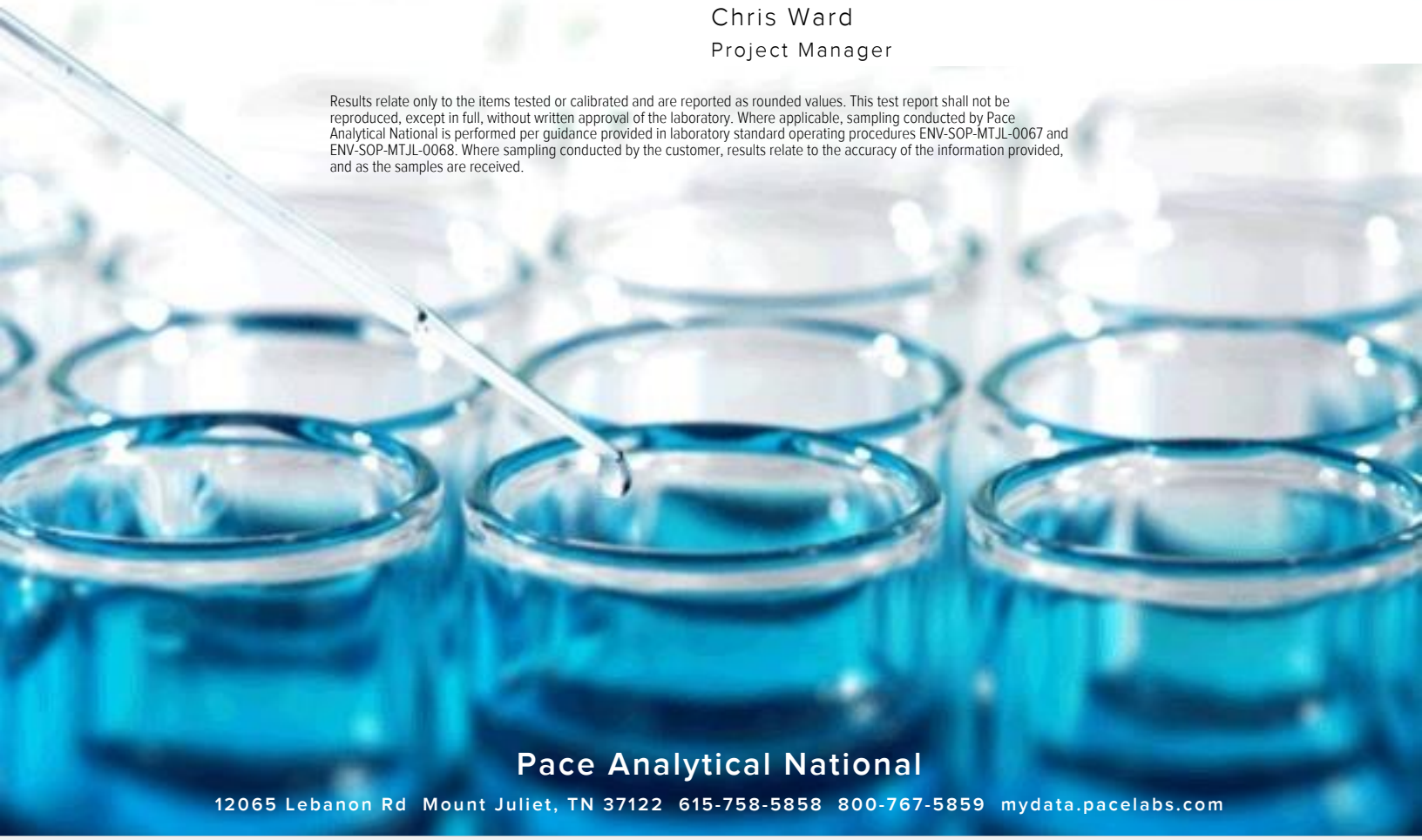
Phillips 66 - Tasman

Sample Delivery Group:	L1810397
Samples Received:	12/17/2024
Project Number:	311090017
Description:	Burton Flats Booster Station

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

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



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

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-1 L1810397-01 GW

Collected by: Kendon Stark | Collected date/time: 12/16/24 09:24 | Received date/time: 12/17/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2420214	10	12/18/24 19:33	12/18/24 19:33	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2422337	1	12/20/24 03:07	12/20/24 03:07	JHH	Mt. Juliet, TN

MW-2 L1810397-02 GW

Collected by: Kendon Stark | Collected date/time: 12/16/24 09:45 | Received date/time: 12/17/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2420214	50	12/18/24 19:43	12/18/24 19:43	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2422337	1	12/20/24 03:30	12/20/24 03:30	JHH	Mt. Juliet, TN

MW-3 L1810397-03 GW

Collected by: Kendon Stark | Collected date/time: 12/16/24 09:58 | Received date/time: 12/17/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2420214	10	12/18/24 19:52	12/18/24 19:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2422337	1	12/20/24 03:54	12/20/24 03:54	JHH	Mt. Juliet, TN

DUPLICATE L1810397-04 GW

Collected by: Kendon Stark | Collected date/time: 12/16/24 00:00 | Received date/time: 12/17/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2420214	10	12/18/24 20:02	12/18/24 20:02	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2422337	1	12/20/24 04:17	12/20/24 04:17	JHH	Mt. Juliet, TN

TRIP BLANK L1810397-05 GW

Collected by: Kendon Stark | Collected date/time: 12/16/24 00:00 | Received date/time: 12/17/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2422337	1	12/20/24 02:20	12/20/24 02:20	JHH	Mt. Juliet, TN

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

CASE NARRATIVE

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

Chris Ward
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	703		5.47	10.0	10	12/18/2024 19:33	WG2420214

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	12/20/2024 03:07	WG2422337
Toluene	U		0.278	1.00	1	12/20/2024 03:07	WG2422337
Ethylbenzene	U		0.137	1.00	1	12/20/2024 03:07	WG2422337
Total Xylenes	U		0.174	3.00	1	12/20/2024 03:07	WG2422337
(S) Toluene-d8	*107*			*80.0-120*		*12/20/2024 03:07*	WG2422337
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*12/20/2024 03:07*	WG2422337
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*12/20/2024 03:07*	WG2422337

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	2140		27.4	50.0	50	12/18/2024 19:43	WG2420214

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	12/20/2024 03:30	WG2422337
Toluene	U		0.278	1.00	1	12/20/2024 03:30	WG2422337
Ethylbenzene	U		0.137	1.00	1	12/20/2024 03:30	WG2422337
Total Xylenes	U		0.174	3.00	1	12/20/2024 03:30	WG2422337
(S) Toluene-d8	*104*			*80.0-120*		*12/20/2024 03:30*	WG2422337
(S) 4-Bromofluorobenzene	*95.7*			*77.0-126*		*12/20/2024 03:30*	WG2422337
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*12/20/2024 03:30*	WG2422337

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	579		5.47	10.0	10	12/18/2024 19:52	WG2420214

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	12/20/2024 03:54	WG2422337
Toluene	U		0.278	1.00	1	12/20/2024 03:54	WG2422337
Ethylbenzene	U		0.137	1.00	1	12/20/2024 03:54	WG2422337
Total Xylenes	U		0.174	3.00	1	12/20/2024 03:54	WG2422337
(S) Toluene-d8	*106*			*80.0-120*		*12/20/2024 03:54*	WG2422337
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*12/20/2024 03:54*	WG2422337
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*12/20/2024 03:54*	WG2422337

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	708		5.47	10.0	10	12/18/2024 20:02	WG2420214

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	12/20/2024 04:17	WG2422337
Toluene	U		0.278	1.00	1	12/20/2024 04:17	WG2422337
Ethylbenzene	U		0.137	1.00	1	12/20/2024 04:17	WG2422337
Total Xylenes	U		0.174	3.00	1	12/20/2024 04:17	WG2422337
(S) Toluene-d8	*108*			*80.0-120*		*12/20/2024 04:17*	WG2422337
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*12/20/2024 04:17*	WG2422337
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*12/20/2024 04:17*	WG2422337

TRIP BLANK
Collected date/time: 12/16/24 00:00
L1810397

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	12/20/2024 02:20	WG2422337
Toluene	U		0.278	1.00	1	12/20/2024 02:20	WG2422337
Ethylbenzene	U		0.137	1.00	1	12/20/2024 02:20	WG2422337
Total Xylenes	U		0.174	3.00	1	12/20/2024 02:20	WG2422337
(S) Toluene-d8	*105*			*80.0-120*		*12/20/2024 02:20*	WG2422337
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*12/20/2024 02:20*	WG2422337
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*12/20/2024 02:20*	WG2422337

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

Method Blank (MB)

(MB) R4159523-1 12/18/24 15:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00

L1808033-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1808033-22 12/18/24 16:13 • (DUP) R4159523-3 12/18/24 16:23

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	13.1	13.1	1	0.154		15

L1808033-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1808033-24 12/18/24 16:51 • (DUP) R4159523-6 12/18/24 17:01

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	4.41	4.31	1	2.35		15

Laboratory Control Sample (LCS)

(LCS) R4159523-2 12/18/24 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.9	97.2	80.0-120	

L1808033-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1808033-22 12/18/24 16:13 • (MS) R4159523-4 12/18/24 16:32 • (MSD) R4159523-5 12/18/24 16:42

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	40.0	13.1	49.4	49.0	90.6	89.7	1	80.0-120			0.753	15

L1808033-24 Original Sample (OS) • Matrix Spike (MS)

(OS) L1808033-24 12/18/24 16:51 • (MS) R4159523-7 12/18/24 17:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	4.41	41.9	93.8	1	80.0-120	

Method Blank (MB)

(MB) R4160178-3 12/20/24 01:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

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

(LCS) R4160178-1 12/20/24 00:23 • (LCSD) R4160178-2 12/20/24 00:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.98	5.06	99.6	101	70.0-123			1.59	20
Toluene	5.00	5.15	5.28	103	106	79.0-120			2.49	20
Ethylbenzene	5.00	4.96	5.14	99.2	103	79.0-123			3.56	20
Total Xylenes	15.0	15.4	15.6	103	104	79.0-123			1.29	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*100*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*104*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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

Company Name/Address:
Phillips 66 - Tasman

2620 W. Marland Blvd
Hobbs, NM 88240

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

Pres Chk

Report to:
Brett Dennis

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

Project Description:
Burton Flats Booster Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: **720-218-4003**

Client Project #

Lab Project #
DCPTASMAN-BURTONFLAT

Collected by (print):
Kendon Stark

Site/Facility ID #

P.O. #
4301466728

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed

Analysis / Container / Preservative

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 # 1810397
F213

Acctnum: **DCPTASMAN**
Template: **T127771**
Prelogin: **P1118953**
PM: **824 - Chris Ward**
PB: NG 12/12/24

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Chloride 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	V8260BTEX 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
MW-1	Grab	GW	NA	12/16/24	09:24	4	X	X			-01
MW-2		GW			09:45	4	X	X			-02
MW-3		GW			09:58	4	X	X			-03
MW-4		GW					X	X			
DUPLICATE		GW			—	4	X	X			-04
		GW									
TRIP BLANK	Grab	GW	NA	12/16/24	—	3			X		-05

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 425709289410

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No (HCL) / MeoH TBR	If preservation required by Login: Date/Time
	12/16/24	14:40		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: TLA 2.6 to 2.6 16	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12/17/24 Time: 0900	Hold: / Condition: NCF / OK

Appendix C

Sampling Notifications

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

QUESTIONS

Action 322572

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 322572
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nMLB1004239132**
Incident Name	**NMLB1004239132 BURTON FLATS BOOSTER STATION @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fWJF0431356160] Burton Flats Booster Station**

Location of Release Source	
Site Name	**BURTON FLATS BOOSTER STATION**
Date Release Discovered	**10/05/2009**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	13,500
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/21/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Groundwater abatement per 19.15.30.14B NMAC
Please provide any information necessary for navigation to sampling site	Email notification provided to Nelson Velez on 3/8/24 and acknowledged on 3/11/24.

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

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 322572
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
knorman	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/12/2024

District I
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 352679
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nMLB1004239132**
Incident Name	**NMLB1004239132 BURTON FLATS BOOSTER STATION @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fWJF0431356160] Burton Flats Booster Station**

Location of Release Source	
Site Name	**BURTON FLATS BOOSTER STATION**
Date Release Discovered	**10/05/2009**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	13,700
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/19/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Groundwater abatement per 19.15.30.14B NMAC
Please provide any information necessary for navigation to sampling site	Please contact Brett Dennis 3256607395

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1000 Rio Brazos Rd., Aztec, NM 87410
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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

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 352679
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
knorman	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/10/2024

District I
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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

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 382361
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nMLB1004239132**
Incident Name	**NMLB1004239132 BURTON FLATS BOOSTER STATION @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fWJF0431356160] Burton Flats Booster Station**

Location of Release Source	
Site Name	**BURTON FLATS BOOSTER STATION**
Date Release Discovered	**10/05/2009**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	13,700
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Groundwater abatement per 19.15.30.14B NMAC
Please provide any information necessary for navigation to sampling site	Kyle Norman - 575-318-5017

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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 382361
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
knorman	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/16/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 447297
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Quarterly groundwater and monitoring report accepted for record.	6/23/2025
amaxwell	The following is approved: Continue quarterly groundwater monitoring and sampling at the monitoring locations illustrated on Figure 2. Replace the passive skimmer located at monitor well MW-4. Pause quarterly EFR events to evaluate effectiveness. Reinitiation will be assessed on a quarterly basis.	6/23/2025