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August 25, 2022

Randolph Bayliss, P.E.
Hydrologist, Districts III and IV
NMOCD Environmental Bureau
1220 S St Francis St.
Santa Fe, NM 87505

Via electronic mail with delivery confirmation receipt to: Randolph.Bayliss@state.nm.us

RE: Progress Report, Thriftway Refinery (NMOCD AP-116)
626 County Road 5500, Bloomfield, New Mexico

Dear Mr. Bayliss:

BioTech Remediation, Inc (BioTech), on behalf of Thriftway Company (Thriftway), has completed this periodic Progress Report for the Thriftway Refinery, located at 626 County Road 5500, Bloomfield, New Mexico. This report summarizes groundwater monitoring and sampling that was completed in August 2022.

Facility Description

The facility was constructed in the 1960s and processed San Juan Basin crude oil until the early 1990s. Most of the facility infrastructure has been dismantled and removed from the site. Between March 2010 and July 2019, a multi-phase high vacuum extraction (MPE) remediation system has operated at the facility during non-winter months to remove hydrocarbon vapors from the soil, free product from the soil and groundwater, and dissolved-phase hydrocarbons from the groundwater. Additionally, in 2010, 2011, 2012, and 2014 hybrid poplars, obtained from New Mexico State University (NMSU) Agriculture Experimental Station, were planted in the northwest portion of the facility as part of a joint phytoremediation pilot project. A total of 1,400 trees have been planted under the supervision of NMSU personnel. A general site plan is included as **Figure 1** and groundwater monitor wells are shown on **Figure 2**. Multi-phase extraction (MPE) remediation wells and the phytoremediation areas are shown on **Figure 3**.

Hydrogen Sulfide Well Gas Sampling,

Due to the suspicion of hydrogen sulfide (H₂S) presence in monitoring wells and MPE wells containing free product, on September 16, 2020, BioTech personnel collected well gas samples from eight wells located near the center of the free product plume, which included MPE wells 1, 3, 26, 83, 86, 88, 89, and 90. Using a small vacuum pump, samples were collected into 1-liter tedlar bags and submitted to Energy Laboratories, Gillette, Wyoming for analysis of natural gas analytes, including H₂S. Three of the eight wells sampled reported elevated H₂S

concentrations and are described below.

- MPE-86 – 0.034 mol% or 340 ppm
- MPE-89 – 0.016 mol% or 160 ppm
- MPE-90 – 0.013 mol% or 130 ppm

Laboratory reports are included in **Appendix A**. Due to confirmation of H₂S, for health and safety reasons, further MPE extraction and groundwater monitor and sampling were suspended until the H₂S is addressed.

Groundwater Monitoring and Sampling, August 2022

BioTech personnel completed groundwater monitoring and sampling on August 2 and August 4, 2022. The groundwater monitor wells listed below were measured for depth to groundwater and sampled:

Monitor Wells Measured and Sampled in August 2022

TW-30	TW-31	TW-39	TW-41	TW-42	TW-43	TW-45	TW-46	TW-48	TW-51
TW-52	TW-53	TW-54	MW-4	MW-5	MW-6	MW-7	MW-18	MW-19	MW-20

Groundwater Elevation Measurements

Depth to groundwater measurements at the site varied little between the May 2019 and August 2022 monitoring events. Depth to groundwater ranged from 3.11 feet below top of casing (TOC) to 12.29 feet below TOC, and groundwater elevations across this area ranged from 5,425.84 to 5,428.13 feet above mean sea level (AMSL). Groundwater elevation measurement data is summarized in **Table 1** and a groundwater elevation map is included as **Figure 4**.

Groundwater Quality Measurements

Following measurement of groundwater elevations, each well was purged with a new disposable bailer and the temperature, pH, and conductivity measurements observed during the purging, along with the purged volumes, were recorded onto Water Sample Collection Forms, which are included in **Appendix B**.

Groundwater temperature ranged between 17.35°C and 23.00°C, conductivity ranged between 2.571 mS and 11.149 mS, and pH varied between 6.93 and 7.65. Groundwater quality data are included in **Table 1**.

Groundwater Sampling and Analytical Results

Once each well was purged and measured for water quality parameters, groundwater samples were collected using a disposable bailer equipped with a slow release valve. Each sample was transferred into appropriate sample containers, labeled, and documented on the Water Sample Collection Form. The Chain of Custody Record was completed, and samples were transported

to the analyzing laboratory, Hall Environmental Laboratory, Albuquerque, New Mexico, in insulated coolers at a temperature of less than 6°C. Analytical laboratory reports are included in **Appendix A**.

During the August 2022 sampling event, samples were analyzed for short list volatile organic compounds (VOCs) per EPA Method 8260B.

Analytical results of groundwater samples collected in August 2022 generally report lower concentration than those collected in October 2019. For this sampling event, benzene concentrations that exceeded the cleanup standard (10 µg/L) were detected in one monitor well (TW-37 at 41 µg/L). Dissolved-phase methyl-tert-butyl ether (MTBE) concentrations that exceeded the cleanup standard (100 µg/L) were detected in two monitor wells (TW-51 at 140 µg/L and MW-20 at 120 µg/L). All other hydrocarbon contaminants analyzed were below the laboratory method detection limit or below the cleanup standard. Hydrocarbon contaminant concentration data is summarized in **Table 2**. A dissolved benzene and MTBE concentration map, based on the August 2022 data, is included as **Figure 6**.

Report Summary

During this monitoring and sampling event, 20 wells were measured for depth to groundwater and sampled. Due to H₂S concerns associated with free product at the site, only monitor wells located outside of the free product plume were monitored and sampled.

Based on historic data, both benzene and MTBE (primary contaminants of concern) concentrations appear to be trending downward, and the benzene and MTBE plumes remain stable and not migrating further west or north towards the Kutz Wash.

Scheduled Work

It is anticipated that the next groundwater monitoring and sampling event will be completed in June 2023. BioTech will continue to research H₂S mitigation options for the site.

If you have any questions regarding site conditions, planned site work, or this report, please do not hesitate to contact me at (505) 215-5984.

Sincerely,



Ross Kennemer
Project Manager

Attachments:

Tables

Table 1. Summary of Groundwater Measurement and Water Quality Data

Table 2. Summary of Groundwater Analytical Results

Figures

Figure 1. General Site Plan

Figure 2. Groundwater Monitor Well Locations

Figure 3. MPE Well Locations and Phytoremediation Areas

Figure 4. Free Product Thickness Contour Map, May 2019

Figure 5. Groundwater Elevations, August 2022

Figure 6. Dissolved Benzene and MTBE Concentration Map, August 2022

Appendices

Appendix A. Laboratory Reports

Appendix B. Water Sample Collection Forms

cc: Robert Moss, Thriftway Company
Via electronic mail with delivery confirmation receipt to:
robertgmoss@me.com

TABLES

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-1	16-Feb-16	5471.58	NA	31.58	NA	5440.00	7.51	2.654	14.66	-31.8	2
	07-Sep-16	5471.58	NA	31.79	NA	5439.79	NM				NA
	13-Mar-17	5471.58	NA	31.55	NA	5440.03	NM				NA
	09-Jul-18	5471.58	NA	36.81	NA	5434.77	NM				NA
	01-May-19	5471.58	NA	31.96	NA	5439.62	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-2	16-Feb-16	5469.31	NA	29.78	NA	5439.53	7.41	4.327	15.73	-26.6	4
	07-Sep-16	5469.31	NA	30.01	NA	5439.30	NM				NA
	13-Mar-17	5469.31	NA	29.77	NA	5439.54	NM				NA
	09-Jul-18	5469.31	NA	30.05	NA	5439.26	NM				NA
	01-May-19	5469.31	NA	NM	NA	NM	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-3	26-Feb-16	5468.14	NA	28.23	NA	5439.91	7.41	5.915	15.79	-32.1	4
	07-Sep-16	5468.14	NA	29.12	NA	5439.02	NM				NA
	13-Mar-17	5468.14	NM-WELL PLUGGED WITH TREE ROOTS								
	09-Jul-18	5468.14	NA	26.35	NA	5441.79	NM				NA
	01-May-19	5468.14	NA	28.83	NA	5439.31	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-4	16-Feb-16	5458.72	NA	19.87	NA	5438.85	7.48	6.123	17.93	-30.3	4
	07-Sep-16	5458.72	NA	20.20	NA	5438.52	NM				NA
	13-Mar-17	5458.72	NA	19.85	NA	5438.87	NM				NA
	09-Jul-18	5458.72	NA	19.16	NA	5439.56	NM				NA
	01-May-19	5458.72	NA	20.14	NA	5438.58	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									

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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-5	16-Feb-16	5465.18	NA	26.31	NA	5438.87	7.41	3.260	16.07	-26.4	4
	07-Sep-16	5465.18	NM-WELL PLUGGED WITH TREE ROOTS								
	13-Mar-17	5465.18	NA	26.27	NA	5438.91	NM				NA
	09-Jul-18	5465.18	NA	26.55	NA	5438.63	NM				NA
	01-May-19	5465.18	NA	26.22	NA	5438.96	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-6	16-Feb-16	5463.57	NA	25.44	NA	5438.13	7.44	4.434	16.20	-30.4	4
	07-Sep-16	5463.57	NA	25.76	NA	5437.81	NM				NA
	13-Mar-17	5463.57	NA	25.43	NA	5438.14	NM				NA
	09-Jul-18	5463.57	NA	25.79	NA	5437.78	NM				NA
	01-May-19	5463.57	NA	25.73	NA	5437.84	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-7	16-Feb-16	5461.17	22.70	23.76	1.06	5438.29	NM				NA
	07-Sep-16	5461.17	NA	23.29	NA	5437.88	NM				NA
	13-Mar-17	5461.17	22.80	23.35	0.55	5438.27	NM				NA
	09-Jul-18	5461.17	NA	23.25	NA	5437.92	NM				NA
	01-May-19	5461.17	NA	NM	NA	NM	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	82/22	NOT MEASURED									
TW-8	16-Feb-16	5458.29	NA	20.30	NA	5437.99	7.15	4.318	14.29	-11.7	4
	07-Sep-16	5458.29	NA	20.74	NA	5437.55	NM				NA
	13-Mar-17	5458.29	NA	20.26	NA	5438.03	NM				NA
	09-Jul-18	5458.29	NA	20.72	NA	5437.57	NM				NA
	01-May-19	5458.29	NA	20.53	NA	5437.76	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-9	16-Feb-16	5450.61	NA	12.74	NA	5437.87	7.59	2.154	13.12	-35.5	4.00
	07-Sep-16	5450.61	NA	13.36	NA	5437.25	NM				NA
	13-Mar-17	5450.61	NA	12.68	NA	5437.93	NM				NA
	09-Jul-18	5450.61	NA	13.32	NA	5437.29	NM				NA
	01-May-19	5450.61	NA	12.89	NA	5437.72	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-10	16-Feb-16	5450.16	NA	12.87	NA	5437.29	7.35	2.598	12.74	-22.4	4
	07-Sep-16	5450.16	NA	13.45	NA	5436.71	NM				NA
	13-Mar-17	5450.16	NA	12.81	NA	5437.35	NM				NA
	09-Jul-18	5450.16	NA	15.51	NA	5434.65	NM				NA
	01-May-19	5450.16	NA	13.04	NA	5437.12	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-11	17-Feb-16	5456.31	NA	18.72	NA	5437.59	7.53	7.106	14.34	-30.2	4
	08-Sep-16	5456.31	NA	19.12	NA	5437.19	7.62	6.870	16.55	-38.1	1
	29-Mar-17	5456.31	NA	18.71	NA	5437.60	7.80	6.951	13.47	-48.2	0.25
	09-Jul-18	5456.31	NA	18.95	NA	5437.36	7.16	5.572	16.25	-47.9	0.25
	01-May-19	5456.31	NA	18.96	NA	5437.35	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-12	17-Feb-16	5460.44	23.00	23.20	0.20	5437.41	NM				NA
	07-Sep-16	5460.44	23.29	24.10	0.81	5437.01	NM				NA
	13-Mar-17	5460.44	NA	23.03	NA	5437.41	NM				NA
	09-Jul-18	5460.44	23.34	23.79	0.45	5436.65	NM				NA
	01-May-19	5460.44	NA	23.37	NA	5437.07	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-13	17-Feb-16	5458.17	21.17	21.91	0.74	5436.87		NM			NA
	07-Sep-16	5458.17	21.50	22.81	1.31	5436.44		NM			NA
	13-Mar-17	5458.17	21.20	21.81	0.61	5436.86		NM			NA
	09-Jul-18	5458.17	21.55	22.88	1.33	5436.39		NM			NA
	01-May-19	5458.17	21.40	22.15	0.75	5436.64		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-14	17-Feb-16	5454.24	17.58	18.03	0.45	5436.58		NM			NA
	07-Sep-16	5454.24	17.93	18.56	0.63	5436.20		NM			NA
	13-Mar-17	5454.24	17.65	17.71	0.06	5436.58		NM			NA
	09-Jul-18	5454.24	NA	18.05	NA	5436.19		NM			NA
	01-May-19	5454.24	NA	17.86	NA	5436.38		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-15	17-Feb-16	5450.44	NA	13.54	NA	5436.90	7.25	5.148	14.04	-18.0	4
	08-Sep-16	5450.44	NA	14.08	NA	5436.36	7.32	5.170	16.84	-21.7	1
	29-Mar-17	5450.44	NA	13.47	NA	5436.97	7.61	4.904	13.88	-37.2	0.25
	09-Jul-18	5450.44	NA	14.89	NA	5435.55	7.22	4.022	17.16	-50.3	0.25
	01-May-19	5450.44	NA	13.82	NA	5436.62	7.22	4.022	17.16	-50.3	0.25
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-16	17-Feb-16	5448.45	NA	11.72	NA	5436.73	7.46	3.590	12.53	-27.7	4
	07-Sep-16	5448.45	NA	12.47	NA	5435.98		NM			NA
	29-Mar-17	5448.45	NA	11.70	NA	5436.75	7.66	4.180	12.69	-40.0	0.25
	09-Jul-18	5448.45	NA	12.36	NA	5436.09	7.40	4.046	18.40	-57.07	0.25
	01-May-19	5448.45	NA	11.80	NA	5436.65	7.40	4.046	18.40	-57.07	0.25
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-17	17-Feb-16	5446.24	NA	10.69	NA	5435.55	7.59	4.682	12.39	-36.2	4
	07-Sep-16	5446.24	NA	10.75	NA	5435.49	NM				NA
	29-Mar-17	5446.24	NA	10.22	NA	5436.02	7.87	4.690	13.15	-51.6	0.25
	09-Jul-18	5446.24	NA	10.88	NA	5435.36	7.52	3.910	17.90	-62.0	0.25
	01-May-19	5446.24	NA	10.37	NA	5435.87	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-18	17-Feb-16	5452.73	NA	16.79	NA	5435.94	7.38	7.294	16.2	-24.5	4
	08-Sep-16	5452.73	NA	17.23	NA	5435.50	7.41	7.380	17.43	-26.8	1
	29-Mar-17	5452.73	NA	16.79	NA	5435.94	7.67	7.132	15.46	-41.1	0.25
	09-Jul-18	5452.73	NA	17.14	NA	5435.59	7.13	6.596	17.45	-46.8	0.25
	01-May-19	5452.73	NA	16.99	NA	5435.74	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-19	17-Feb-16	5458.49	18.09	18.30	0.21	5440.36	NM				NA
	07-Sep-16	5458.49	18.30	19.19	0.89	5440.04	NM				NA
	13-Mar-17	5458.49	18.10	18.21	0.11	5440.37	NM				NA
	09-Jul-18	5458.49	18.45	18.56	0.11	5440.02	NM				NA
	01-May-19	5458.49	NM	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-20	17-Feb-16	5453.74	17.97	18.49	0.52	5435.68	NM				NA
	07-Sep-16	5453.74	18.29	19.75	1.46	5435.20	NM				NA
	13-Mar-17	5453.74	17.95	18.71	0.76	5435.66	NM				NA
	09-Jul-18	5453.74	18.60	18.85	0.25	5435.10	NM				NA
	01-May-19	5453.74	NM	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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TW-21	17-Feb-16	5451.85	16.84	17.15	0.31	5434.96		NM			NA
	07-Sep-16	5451.85	16.98	18.07	1.09	5434.68		NM			NA
	13-Mar-17	5451.85	16.81	17.11	0.30	5434.99		NM			NA
	09-Jul-18	5451.85	17.01	18.41	1.40	5434.60		NM			NA
	01-May-19	5453.74	NM	NM	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-22	17-Feb-16	5450.19	NA	15.24	NA	5434.95	7.20	4.289	15.95	-14.7	4
	08-Sep-16	5450.19	15.55	15.71	0.16	5434.61		NM			NA
	13-Mar-17	5450.19	NA	15.20	NA	5434.99		NM			NA
	09-Jul-18	5450.19	15.65	15.68	0.03	5434.51		NM			NA
	01-May-19	5450.19	NA	15.41	NA	5434.78		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-23	17-Feb-16	5443.64	NA	9.07	NA	5434.57	7.30	5.703	10.53	-18.7	4
	07-Sep-16	5443.64	NA	9.60	NA	5434.04		NM			NA
	13-Mar-17	5443.64	NA	9.00	NA	5434.64	7.54	5.191	11.26	-33.5	0.25
	09-Jul-18	5443.64	NA	9.65	NA	5433.99	7.15	5.207	18.04	-47.4	0.25
	01-May-19	5443.64	NA	9.16	NA	5434.48	NM	NM	NM	NM	NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-24	17-Feb-16	5444.79	NA	11.02	NA	5433.77	7.36	6.110	14.21	-23.4	4
	07-Sep-16	5444.79	NA	11.36	NA	5433.43		NM			NA
	29-Mar-17	5444.79	NA	10.96	NA	5433.83	7.62	6.196	14.09	-38.2	0.25
	09-Jul-18	5444.79	NA	9.59	NA	5435.20	7.24	3.421	20.21	-51.4	0.25
	01-May-19	5444.79	NA	11.05	NA	5433.74	NM	NM	NM	NM	NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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TW-25	17-Feb-16	5448.80	14.46	14.69	0.23	5434.30	NM				NA
	07-Sep-16	5448.80	14.66	15.32	0.66	5434.03	NM				NA
	13-Mar-17	5448.80	14.44	14.51	0.07	5434.35	NM				NA
	09-Jul-18	5448.80	14.75	15.45	0.70	5433.93	NM				NA
	01-May-19	5448.80	14.65	14.71	0.06	5434.14	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-26	17-Feb-16	5450.34	16.18	16.79	0.61	5434.05	NM				NA
	07-Sep-16	5450.34	16.31	17.52	1.21	5433.82	NM				NA
	13-Mar-17	5450.34	16.15	16.46	0.31	5434.14	NM				NA
	09-Jul-18	5450.34	16.41	17.70	1.29	5433.71	NM				NA
	01-May-19	5450.34	16.30	17.01	0.71	5433.92	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-28	17-Feb-16	5448.89	15.13	16.14	1.01	5433.59	NM				NA
	07-Sep-16	5448.89	15.38	16.75	1.37	5433.27	NM				NA
	13-Mar-17	5448.89	15.21	15.91	0.70	5433.56	NM				NA
	09-Jul-18	5448.89	15.35	16.72	1.37	5433.30	NM				NA
	01-May-19	5448.89	15.36	16.19	0.83	5433.39	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-29	19-Feb-16	5441.87	NA	9.27	NA	5432.60	7.35	3.485	13.59	-23.50	4
	08-Sep-16	5441.87	9.51	9.78	0.27	5432.31	NM				NA
	13-Mar-17	5441.87	9.14	9.17	0.03	5432.72	NM				NA
	09-Jul-18	5441.87	9.68	9.75	0.07	5432.18	NM				NA
	01-May-19	5441.87	NA	9.26	NA	5432.61	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-30	19-Feb-16	5437.93	NA	5.86	NA	5432.07	7.19	5.465	9.33	-13.7	4
	07-Sep-16	5437.93	NM-WASP NEST IN WELL								
	29-Mar-17	5437.93	NA	5.84	NA	5432.09	7.41	5.702	11.72	-26.1	0.25
	09-Jul-18	5437.93	NA	6.26	NA	5431.67	7.09	6.304	21.11	-45.3	0.25
	01-May-19	5437.93	NA	5.83	NA	5432.10	7.09	6.304	21.11	-45.3	0.25
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	04-Aug-22	5437.93	NA	5.84	NA	5432.09	6.99	8.103	20.4	-51.2	0.25
TW-31	19-Feb-16	5438.54	NA	7.01	NA	5431.53	7.33	5.426	10.04	-21.9	4
	07-Sep-16	5438.54	NA	7.35	NA	5431.19	NM				NA
	29-Mar-17	5438.54	NA	6.95	NA	5431.59	7.56	6.037	12.09	-34.6	0.25
	09-Jul-18	5438.54	NA	7.26	NA	5431.28	7.60	7.221	21.85	-65.6	0.25
	01-May-19	5438.54	NA	6.98	NA	5431.56	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	5438.54	NA	5.94	NA	5432.60	7.11	10.514	21.80	-265.6	0.25
TW-32	19-Feb-16	5441.61	9.36	10.31	0.95	5432.09	NM				NA
	07-Sep-16	5441.61	9.51	10.47	0.96	5431.93	NM				NA
	13-Mar-17	5441.61	9.25	9.86	0.61	5432.25	NM				NA
	09-Jul-18	5441.61	9.69	10.00	0.31	5431.87	NM				NA
	01-May-19	5441.61	10.13	11.10	0.97	5431.31	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-33	19-Feb-16	5445.85	13.03	13.71	0.68	5432.70	NM				NA
	19-Feb-16	5445.85	13.11	14.10	0.99	5432.57	NM				NA
	13-Mar-17	5445.85	12.95	13.34	0.39	5432.83	NM				NA
	09-Jul-18	5445.85	13.30	14.54	1.24	5432.34	NM				NA
	01-May-19	5445.85	13.95	14.85	0.90	5431.74	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-34	23-Feb-16	5455.80	NA	20.27	NA	5435.53	7.14	7.126	14.04	-12.9	4
	08-Sep-16	5455.80	NA	20.85	NA	5434.95	7.37	6.730	15.86	-24.3	1
	30-Mar-17	5455.80	NA	20.26	NA	5435.54	7.56	7.407	14.60	-34.9	0.25
	10-Jul-18	5455.80	NA	20.88	NA	5434.92	6.95	7.806	17.98	-39.1	0.25
	01-May-19	5455.80	NA	20.55	NA	5435.25	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-35	23-Feb-16	5449.14	15.37	15.84	0.47	5433.69	NM				NA
	08-Sep-16	5449.14	15.55	16.26	0.71	5433.47	NM				NA
	13-Mar-17	5449.14	15.34	15.45	0.11	5433.78	NM				NA
	09-Jul-18	5449.14	13.30	14.54	1.24	5435.63	NM				NA
	01-May-19	5449.14	15.53	15.88	0.35	5433.55	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-36	22-Feb-16	5441.91	NA	13.19	NA	5428.72	7.18	6.502	14.97	-13.7	4
	08-Sep-16	5441.91	NA	13.30	NA	5428.61	7.45	7.270	18.28	-28.6	1
	30-Mar-17	5441.91	NA	13.02	NA	5428.89	7.68	7.220	14.31	-41.6	0.25
	10-Jul-18	5441.91	13.55	13.61	0.06	5428.30	NM				NA
	01-May-19	5441.91	NA	13.35	NA	5428.56	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
TW-37	25-Feb-16	5439.59	NA	10.70	NA	5428.89	7.28	4.271	12.70	-19.2	4
	08-Sep-16	5439.59	NA	10.80	NA	5428.79	7.32	4.560	19.34	-21.9	1
	29-Mar-17	5439.59	NA	10.52	NA	5429.07	7.50	4.038	13.62	-31.6	0.25
	10-Jul-18	5439.59	NA	11.01	NA	5428.58	7.25	3.941	18.56	-51.5	0.25
	01-May-19	5439.59	NA	10.80	NA	5428.79	7.04	1.102	14.10	-43.4	0.25
	24-Oct-19	5439.59	NA	11.31	NA	5428.28	7.48	1.836	16.99	-60.8	0.25
	02-Aug-22	5439.59	NA	10.56	NA	5429.03	6.99	3.771	18.7	-325.8	0.25

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-38	25-Feb-16	5442.11	NA	11.64	NA	5430.47	7.49	4.485	13.74	-35.3	4
	08-Sep-16	5442.11	11.73	11.76	0.03	5430.37	NM				NA
	13-Mar-17	5442.11	11.45	11.47	0.02	5430.66	NM				NA
	10-Jul-18	5442.11	11.93	11.99	0.06	5430.17	NM				NA
	01-May-19	5442.11	11.54	12.11	0.57	5430.47	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-39	19-Feb-16	5438.43	NA	7.78	NA	5430.65	7.37	4.201	9.63	-24.3	4
	08-Sep-16	5438.43	NA	8.05	NA	5430.38	7.43	4.100	21.36	-28.3	1
	29-Mar-17	5438.43	NA	7.48	NA	5430.95	7.57	4.223	12.00	-35.0	0.25
	09-Jul-18	5438.43	NA	9.29	NA	5429.14	7.20	4.002	21.20	-49.9	0.25
	01-May-19	5438.43	NA	9.51	NA	5428.92	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	5438.43	NA	7.63	NA	5430.80	6.93	8.325	22.50	-167.9	0.25
TW-40	22-Feb-16	5437.50	7.75	8.00	0.25	5429.71	NM				NA
	08-Sep-16	5437.50	8.08	8.22	0.14	5429.40	NM				NA
	13-Mar-17	5437.50	7.25	7.31	0.06	5430.24	NM				NA
	09-Jul-18	5437.50	8.29	8.71	0.42	5429.14	NM				NA
	01-May-19	5437.50	7.31	7.35	0.04	5430.18	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-41	22-Feb-16	5434.77	NA	6.05	NA	5428.72	6.99	5.896	7.89	-3.0	4
	08-Sep-16	5434.77	NA	6.28	NA	5428.49	7.29	6.550	20.93	-20.3	1
	29-Mar-17	5434.77	NA	5.62	NA	5429.15	7.37	7.045	11.60	-24.4	0.25
	09-Jul-18	5434.77	NA	7.70	NA	5427.07	7.3	4.987	21.54	-53.5	0.25
	01-May-19	5434.77	NA	5.76	NA	5429.01	6.93	1.869	14.23	-39.2	0.25
	24-Oct-19	5434.77	NA	6.55	NA	5428.22	7.35	3.255	17.47	-55.4	0.25
	02-Aug-22	5434.77	NA	5.13	NA	5429.64	7.11	8.479	22.20	-325.5	0.25

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-42	22-Feb-16	5433.76	NA	6.46	NA	5427.30	7.39	5.909	8.54	-24.7	4
	08-Sep-16	5433.76	NA	6.34	NA	5427.42	7.37	6.460	20.86	-24.8	1
	29-Mar-17	5433.76	NA	6.02	NA	5427.74	7.53	6.175	11.30	-32.8	0.25
	09-Jul-18	5433.76	NA	8.33	NA	5425.43	7.22	6.536	20.64	-50.4	0.25
	01-May-19	5433.76	NA	5.19	NA	5428.57	7.02	1.882	13.76	-42.6	0.25
	24-Oct-19	5433.76	NA	5.88	NA	5427.88	7.43	4.417	17.19	-58.6	0.25
	02-Aug-22	5433.76	NA	6.01	NA	5427.75	7.17	7.445	20.40	-232.1	0.25
TW-43	22-Feb-16	5440.42	NA	12.33	NA	5428.09	7.12	5.159	13.14	-9.9	4
	08-Sep-16	5440.42	NA	12.49	NA	5427.93	7.23	5.140	18.98	-16.3	1
	29-Mar-17	5440.42	NA	12.16	NA	5428.26	7.40	5.100	13.11	-25.9	0.25
	10-Jul-18	5440.42	NA	12.72	NA	5427.70	6.65	3.822	18.36	-27.9	0.25
	01-May-19	5440.42	NA	12.43	NA	5427.99	7.01	1.366	13.88	-42.3	0.25
	24-Oct-19	5440.42	NA	12.85	NA	5427.57	7.06	1.927	14.6	-44.1	0.25
	02-Aug-22	5440.42	NA	12.29	NA	5428.13	6.94	4.600	18.3	-51.1	0.25
TW-44	22-Feb-16	5444.08	15.19	15.31	0.12	5428.87	NM				NA
	07-Sep-16	5444.08	15.23	15.49	0.26	5428.81	NM				NA
	13-Mar-17	5444.08	15.03	15.31	0.28	5429.00	NM				NA
	09-Jul-18	5444.08	15.57	15.91	0.34	5428.45	NM				NA
	01-May-19	5444.08	15.76	16.03	0.27	5428.27	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-45	23-Feb-16	TBS	NA	7.05	NA	NA	7.16	5.190	8.47	-12.2	4
	08-Sep-16	TBS	NA	7.28	NA	NA	7.24	5.248	19.21	-17.2	1
	30-Mar-17	TBS	NA	6.91	NA	NA	7.58	5.068	10.29	-35.5	0.25
	11-Jul-18	TBS	NA	7.53	NA	NA	6.27	3.932	19.41	-12.9	0.25
	01-May-19	TBS	NA	7.18	NA	NA	7.08	1.698	13.15	-44.7	0.25
	24-Oct-19	TBS	NA	7.71	NA	NA	7.25	3.401	17.03	-51.6	0.25
	04-Aug-22	5434.72	NA	7.06	NA	5427.66	7.00	5.458	19.6	-59.5	0.25

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-46	23-Feb-16	TBS	NA	7.44	NA	NA	7.41	6.827	8.84	-25.1	4
	08-Sep-16	TBS	NA	7.61	NA	NA	7.52	6.120	20.39	-33.1	1
	30-Mar-17	TBS	NA	7.28	NA	NA	7.78	6.376	10.28	-46.2	0.25
	11-Jul-18	TBS	NA	7.82	NA	NA	6.49	4.694	19.51	-21.5	0.25
	01-May-19	TBS	NA	7.57	NA	NA	7.06	1.861	13.14	-44.1	0.25
	24-Oct-19	TBS	NA	8.06	NA	NA	7.25	3.936	17.39	-51.9	0.25
	04-Aug-22	5434.92	NA	7.44	NA	5427.48	7.19	7.425	20.3	-175.2	0.25
TW-47	26-Feb-16	TBS	NA	6.98	NA	NA	7.28	10.320	9.56	-18.7	4
	08-Sep-16	TBS	NA	7.43	NA	NA	7.40	9.530	20.86	-26.4	1
	30-Mar-17	TBS	NA	6.26	NA	NA	7.90	13.360	11.03	-53.2	0.25
	11-Jul-18	TBS	NA	6.94	NA	NA	6.75	4.628	19.49	-36.8	0.25
	01-May-19	TBS	NA	NM	NA	NA	NM	NM	NM	NM	NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	DESTROYED									
TW-48	19-Feb-16	TBS	NA	6.93	NA	NA	7.25	4.726	8.74	-16.8	4
	07-Sep-16	TBS	NA	6.98	NA	NA	NM				NA
	29-Mar-17	TBS	NA	7.37	NA	NA	7.47	5.240	11.81	-29.5	0.25
	10-Jul-18	TBS	NA	8.61	NA	NA	6.77	5.916	20.52	-32.1	0.25
	01-May-19	TBS	NA	7.14	NA	NA	NM	NM	NM	NM	NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	04-Aug-22	TBS	NA	7.01	NA	NA	7.01	7.07	20.20	-113.70	0.25
TW-49	26-Feb-16	TBS	NA	5.85	NA	NA	7.14	8.247	6.65	-11.30	2
	07-Sep-16	WELL DESTROYED									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-50	26-Feb-16	TBS	7.88	8.21	0.33	NA		NM			NA
	07-Sep-16	TBS	8.05	8.40	0.35	NA		NM			NA
	13-Mar-17	TBS	7.65	8.42	0.77	NA		NM			NA
	09-Jul-18	TBS	9.45	9.71	0.26	NA		NM			NA
	01-May-19	TBS	8.89	9.33	0.44	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
TW-51	26-Feb-16	TBS	NA	7.02	NA	NA	7.25	6.463	8.22	-17.3	4
	08-Sep-16	TBS	NA	7.25	NA	NA	7.21	6.770	21.68	-15.6	1
	30-Mar-17	TBS	NA	6.92	NA	NA	7.58	6.615	10.52	-35.4	0.25
	11-Jul-18	TBS	NA	7.38	NA	NA	6.87	6.059	20.71	-36.5	0.25
	01-May-19	TBS	NA	7.18	NA	NA	7.18	2.075	13.98	-42.2	0.25
	24-Oct-19	TBS	NA	7.71	NA	NA	7.23	4.486	17.87	-50.6	0.25
	04-Aug-22	5433.97	NA	7.06	NA	5426.91	6.96	6.759	21.5	-130	0.25
TW-52	26-Feb-16	TBS	NA	7.45	NA	NA	7.17	6.911	7.92	-13.4	4
	08-Sep-16	TBS	NA	7.70	NA	NA	7.27	8.040	20.52	-18.6	1
	30-Mar-17	TBS	NA	7.38	NA	NA	7.50	6.892	10.09	-31.2	0.25
	11-Jul-18	TBS	NA	7.83	NA	NA	6.86	7.798	18.87	-36.3	0.25
	01-May-19	TBS	NA	7.59	NA	NA	7.00	1.98	13.26	41.60	0.25
	24-Oct-19	TBS	NA	8.05	NA	NA	7.25	5.009	17.35	-51.4	0.25
	04-Aug-22	5433.28	NA	7.22	NA	5426.06	7.25	5.009	17.35	-51.4	0.25
TW-53	26-Feb-16	TBS	NA	7.17	NA	NA	7.47	8.811	8.97	-28.9	4
	08-Sep-16	TBS	NA	7.35	NA	NA	7.46	8.670	20.65	-31.1	1
	30-Mar-17	TBS	NA	7.09	NA	NA	7.72	8.025	10.17	-42.8	0.25
	11-Jul-18	TBS	NA	7.48	NA	NA	6.96	6.314	19.25	-40.1	0.25
	01-May-19	TBS	NA	7.29	NA	NA	7.06	2.347	13.59	-44.0	0.25
	24-Oct-19	TBS	NA	7.83	NA	NA	7.4	5.412	17.5	-57.6	0.25
	04-Aug-22	5431.84	NA	7.13	NA	5424.71	7.18	7.076	20.5	-55.3	0.25

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Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
TW-54	26-Feb-16	TBS	NA	7.63	NA	NA	7.52	5.987	9.49	-31.9	4
	08-Sep-16	TBS	NA	8.01	NA	NA	7.53	6.540	20.29	-33.6	1
	30-Mar-17	TBS	NA	7.53	NA	NA	7.75	5.709	10.74	-44.8	0.25
	11-Jul-18	TBS	NA	7.94	NA	NA	6.98	5.061	18.06	-40.8	0.25
	01-May-19	TBS	NA	7.80	NA	NA	7.07	1.923	13.53	-44.6	0.25
	24-Oct-19	TBS	NA	8.17	NA	NA	7.44	4.442	17.47	-59.1	0.25
	04-Aug-22	5433.35	NA	7.42	NA	5425.93	7.21	6.63	20.3	-98.5	0.25
MW-4	19-Feb-16	5430.12	NA	5.35	NA	5424.77	7.37	5.477	9.66	-22.8	4
	08-Sep-16	5430.12	NA	5.39	NA	5424.73	7.47	5.780	21.40	-30.6	1
	29-Mar-17	5430.12	NA	4.52	NA	5425.60	7.64	5.487	11.94	-38.8	0.25
	10-Jul-18	5430.12	NA	5.30	NA	5424.82	7.12	4.968	20.89	-46.6	0.25
	01-May-19	5430.12	NA	NM	NA	NA	NM	NM	NM	NM	NM
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	5430.12	NA	3.92	NA	5426.20	7.17	6.38	23.00	-209.50	NM
MW-5	08-Sep-16	5428.97	NA	5.71	NA	5423.26	7.89	5.590	19.24	-53.8	1
	29-Mar-17	5428.97	NA	4.91	NA	5424.06	7.64	7.250	11.35	-38.5	0.25
	10-Jul-18	5428.97	NA	5.66	NA	5423.31	7.40	5.673	19.06	-57.5	0.25
	01-May-19	5428.97	NA	NM	NA	NA	NM	NM	NM	NM	NM
	24-Oct-19	5428.97	NA	4.6	NA	5424.37	7.70	4.348	16.46	-69.4	0.25
	02-Aug-22	5428.97	NA	4.53	NA	5424.44	7.13	10.056	20.00	-292.8	0.25
MW-6	19-Feb-16	5430.70	NA	4.76	NA	5425.94	7.58	7.378	10.79	-35.2	4
	08-Sep-16	5430.70	NA	5.02	NA	5425.68	7.47	6.390	20.47	-30.0	1
	29-Mar-17	5430.70	NA	4.16	NA	5426.54	7.66	5.599	11.75	-40.1	0
	10-Jul-18	5430.70	NA	4.91	NA	5425.79	6.95	4.453	20.02	-39.9	0.25
	01-May-19	5430.70	NA	NM	NA	NA	NM	NM	NM	NM	NM
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	5430.70	NA	3.58	NA	5427.12	7.17	4.758	22.20	-203.0	0.25

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MW-7	19-Feb-16	5435.28	NA	8.53	NA	5426.75	7.45	5.653	9.13	-28.4	4
	08-Sep-16	5435.28	NA	8.96	NA	5426.32	7.29	12.200	20.34	-19.8	1
	29-Mar-17	5435.28	NA	7.98	NA	5427.30	7.53	6.676	11.29	-32.9	0.25
	10-Jul-18	5435.28	NA	8.92	NA	5426.36	6.68	4.402	19.59	-28.8	0.25
	01-May-19	5435.28	NA	NM	NA	NA	NM	NM	NM	NM	NM
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	5435.28	NA	7.32	NA	5427.96	7.08	11.149	21.7	-185.9	0.25
MW-9	01-Mar-16	5436.69	NA	6.05	NA	5430.64	7.52	6.094	7.81	-31.6	4
	08-Sep-16	5436.69	NA	NM	NA	NA	NM	NM	NM	NM	NM
	29-Mar-17	5436.69	NA	NM	NA	NA	NM	NM	NM	NM	NM
	01-May-19	5436.69	NA	NM	NA	NA	NM	NM	NM	NM	NM
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	DESTROYED									
MW-10	01-Mar-16	5437.78	NA	5.58	NA	5432.20	7.68	4.85	8.47	-41.4	4
	08-Sep-16	5437.78	NA	NM	NA	NA	NM				NA
	29-Mar-17	5437.78	NA	NM	NA	NA	NM				NA
	01-May-19	5437.78	NA	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	DESTROYED									
MW-12	25-Feb-16	5446.09	14.60	15.30	0.70	5431.37	NM				NM
	08-Sep-16	5446.09	14.80	16.15	1.35	5431.06	NM				NA
	13-Mar-17	5446.09	14.59	15.10	0.51	5431.41	NM				NA
	09-Jul-18	5446.09	14.59	15.10	0.51	5431.41	NM				NA
	01-May-19	5446.09	NA	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MW-13	25-Feb-16	5452.12	NA	18.29	NA	5433.83	7.31	5.564	14.97	-20.9	4
	08-Sep-16	5452.12	NA	18.74	NA	5433.38	7.38	5.584	15.90	-25.2	1
	30-Mar-17	5452.12	NA	18.28	NA	5433.84	8.11	5.098	11.97	-64.4	0.25
	10-Jul-18	5452.12	NA	18.70	NA	5433.42	7.31	4.948	16.98	-53.8	0.25
	01-May-19	5452.12	NA	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
MW-16	25-Feb-16	5442.63	NA	9.08	NA	5433.55	7.65	3.815	13.05	-35.4	4
	08-Sep-16	5442.63	NM								NA
	29-Mar-17	5442.63	NA	9.06	NA	5433.57	7.65	3.065	13.22	-39.6	0.25
	10-Jul-18	5442.63	NA	9.65	NA	5432.98	7.32	3.148	17.41	-54.4	0.25
	01-May-19	5442.63	NA	NM	NA	NA	NM	NM	NM	NM	NM
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED									
MW-17	25-Feb-16	5435.20	NA	6.09	NA	5429.11	7.20	3.931	12.10	-14.8	4
	08-Sep-16	5435.20	NA	6.33	NA	5428.87	7.25	4.87	20.06	-17.6	1
	13-Mar-17	5435.20	5.93	5.95	0.02	5429.25	NM				NA
	01-May-19	5435.20	NA	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MW-18	25-Feb-16	5428.95	NA	4.11	NA	5424.84	7.26	6.494	9.93	-15.1	4
	08-Sep-16	5428.95	NA	4.21	NA	5424.74	7.50	4.360	20.68	-32.1	1
	29-Mar-17	5428.95	NA	3.71	NA	5425.24	7.60	4.711	10.95	-36.8	0.25
	10-Jul-18	5428.95	NA	4.42	NA	5424.53	7.25	5.402	20.71	-51.7	0.25
	01-May-19	5428.95	NA	3.90	NA	5425.05	7.07	1.588	14.40	-44.3	0.25
	24-Oct-19	5428.95	NA	4.47	NA	5424.48	7.46	3.658	18.09	-60.0	0.25
	02-Aug-22	5428.95	NA	3.11	NA	5425.84	7.01	3.175	22.00	-240.1	0.25

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MW-19	25-Feb-16	5428.69	NA	3.96	NA	5424.73	7.41	6.554	9.35	-25.8	4
	08-Sep-16	5428.69	NA	4.13	NA	5424.56	7.34	6.660	20.18	-23.2	1
	29-Mar-17	5428.69		3.79	NA	5424.90	7.58	6.461	10.77	-35.5	0.25
	10-Jul-18	5428.69		4.38	NA	5424.31	7.21	5.742	20.00	-49.9	0.25
	01-May-19	5428.69	NA	4.03	NA	5424.66	6.95	2.093	12.71	-39.6	0.25
	24-Oct-19	5428.69	NA	4.41	NA	5424.28	7.27	7.605	16.56	-52.7	0.25
	02-Aug-22	5428.69	NA	4.64	NA	5424.05	7.65	2.571	19.60	-306.1	0.25
MW-20	18-Jun-15	5430.45	NA	5.76	NA	5424.69	NM				NA
	23-Feb-16	5430.45	NA	5.61	NA	5424.84	7.33	5.387	7.70	-21.8	4
	08-Sep-16	5430.45	NA	6.24	NA	5424.21	7.32	8.340	19.86	-21.7	1
	30-Mar-17	5430.45	NA	5.89	NA	5424.56	7.69	5.604	9.80	-41.1	0.25
	11-Jul-18	5430.45	NA	6.45	NA	5424.00	6.31	3.905	19.49	-14.5	0.25
	01-May-19	5430.45	NA	6.15	NA	5424.30	7.05	1.704	12.84	-43.5	0.25
	24-Oct-19	5430.45	NA	6.63	NA	5423.82	7.29	3.569	16.95	-52.9	0.25
	04-Aug-22	5430.45	NA	5.98	NA	5424.47	6.99	8.035	19.50	-107.3	0.25
MW-21	26-Feb-16	5428.62	NA	3.89	NA	5424.73	7.24	6.388	10.15	-16.8	4
	08-Sep-16	5428.62	NA	4.03	NA	5424.59	7.28	7.020	21.13	-19.3	1
	30-Mar-17	5428.62	NA	3.02	NA	5425.60	7.67	6.424	11.31	-40.6	0.25
	11-Jul-18	5428.62	NA	3.68	NA	5424.94	NM				NA
	01-May-19	5428.62	NA	NM	NA	NA	NM				NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	DESTROYED									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MW-23	26-Feb-16	5449.34	NM-DRY								NA
	07-Sep-16	5449.34	NM-DRY								NA
	29-Mar-17	5449.34	NM-DRY								NA
	29-Mar-17	5449.34	NM-DRY								NA
	11-Jul-18	5449.34	NM-DRY								NA
	01-May-19	5449.34	NA	NM	NA	NA	NM			NA	
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MW-25	26-Feb-16	5448.74	NM-DRY								NA
	07-Sep-16	5448.74	NM-DRY								NA
	29-Mar-17	5448.74	NM-DRY								NA
	11-Jul-18	5448.74	NM-DRY								NA
	01-May-19	5448.74	NA	NM	NA	NA	NM			NA	
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	MW-27	26-Feb-16	5449.01	NM-DRY							
26-Feb-16		5449.01	NM-DRY								NA
07-Sep-16		5449.01	NM-DRY								NA
29-Mar-17		5449.01	NM-DRY								NA
11-Jul-18		5449.01	NM-DRY								NA
01-May-19		5449.01	NA	NM	NA	NA	NM			NA	
24-Oct-19		MEASURED, BUT MISPLACED DATA									
02-Aug-22		NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
RW-24	26-Feb-16	5447.73	16.36	17.09	0.73	5431.24		NM			NA
	07-Sep-16	5447.73	16.65	18.14	1.49	5430.82		NM			NA
	13-Mar-17	5447.73	16.53	16.97	0.44	5431.12		NM			NA
	09-Jul-18	5447.73	16.53	16.97	0.44	5431.12		NM			NA
	01-May-19	5447.73	16.52	17.33	0.81	5431.07		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
RW-25	07-Sep-16	5448.68	17.25	18.79	1.54	5431.16		NM			NA
	09-Jul-18	5448.68	17.31	19.03	1.72	5431.07		NM			NA
	01-May-19	5448.68	17.23	18.24	1.01	5431.28		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-1	18-Feb-16	NS	NA	24.34	NA	NA		NM			NA
	07-Sep-16	NS	NA	24.72	NA	NA		NM			NA
	10-Mar-17	NS	NA	24.34	NA	NA		NM			NA
	05-Jul-18	NS	NA	24.52	NA	NA		NM			NA
	29-Apr-19	NS	NA	24.59	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-2	18-Feb-16	NS	22.19	22.32	0.13	NA		NM			NA
	07-Sep-16	NS	NA	22.29	NA	NA		NM			NA
	10-Mar-17	NS	NA	22.22	NA	NA		NM			NA
	05-Jul-18	NS	NA	22.41	NA	NA		NM			NA
	29-Apr-19	NS	NA	22.47	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-3	18-Feb-16	NS	NA	21.49	NA	NA		NM			NA
	07-Sep-16	NS	NA	21.92	NA	NA		NM			NA
	10-Mar-17	NS	NA	21.50	NA	NA		NM			NA
	05-Jul-18	NS	NA	21.68	NA	NA		NM			NA
	29-Apr-19	NS	NA	21.75	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-4	18-Feb-16	NS	NA	20.68	NA	NA		NM			NA
	07-Sep-16	NS	NA	21.10	NA	NA		NM			NA
	10-Mar-17	NS	NA	20.68	NA	NA		NM			NA
	05-Jul-18	NS	NA	20.86	NA	NA		NM			NA
	29-Apr-19	NS	NA	20.91	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-5	18-Feb-16	NS	19.94	20.31	0.37	NA		NM			NA
	07-Sep-16	NS	20.26	21.02	0.76	NA		NM			NA
	10-Mar-17	NS	20.00	20.08	0.08	NA		NM			NA
	05-Jul-18	NS	NA	20.20	NA	NA		NM			NA
	29-Apr-19	NS	20.20	20.49	0.29	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-6	18-Feb-16	NS	20.30	20.58	0.28	NA		NM			NA
	07-Sep-16	NS	20.75	20.99	0.24	NA		NM			NA
	10-Mar-17	NS	NA	20.36	NA	NA		NM			NA
	05-Jul-18	NS	NA	20.56	NA	NA		NM			NA
	29-Apr-19	NS	20.59	20.65	0.06	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-7	18-Feb-16	NS	21.12	21.24	0.12	NA		NM			NA
	07-Sep-16	NS	21.53	21.62	0.09	NA		NM			NA
	10-Mar-17	NS	NA	21.18	NA	NA		NM			NA
	05-Jul-18	NS	21.33	24.49	3.16	NA		NM			NA
	29-Apr-19	NS	21.38	21.49	0.11	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-8	18-Feb-16	NS	NA	22.44	NA	NA		NM			NM
	07-Sep-16	NS	NA	22.84	NA	NA		NM			NA
	10-Mar-16	NS	NA	22.46	NA	NA		NM			NA
	05-Jul-18	NS	NA	22.65	NA	NA		NM			NA
	29-Apr-19	NS	22.71	22.74	0.03	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-9	18-Feb-16	NS	NA	24.15	NA	NA		NM			NA
	07-Sep-16	NS	NA	24.53	NA	NA		NM			NA
	10-Mar-17	NS	NA	24.17	NA	NA		NM			NA
	05-Jul-18	NS	NA	24.38	NA	NA		NM			NA
	29-Apr-19	NS	24.40	24.42	0.02	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-10	18-Feb-16	NS	NA	23.94	NA	NA		NM			NA
	07-Sep-16	NS	NA	24.33	NA	NA		NM			NA
	10-Mar-17	NS	NA	23.95	NA	NA		NM			NA
	05-Jul-18	NS	NA	24.18	NA	NA		NM			NA
	29-Apr-19	NS	24.19	24.20	0.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-11	18-Feb-16	NS	NA	22.10	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	05-Jul-18	NS	NA	22.94	NA	NA		NM			NA
	29-Apr-19	NS	NA	22.73	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-12	18-Feb-16	NS	NA	22.59	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	05-Jul-18	NS	NA	23.30	NA	NA		NM			NA
	29-Apr-19	NS	23.24	23.25	0.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-13	18-Feb-16	NS	NA	23.37	NA	NA		NM			NA
	07-Sep-16	NS	23.64	24.31	0.67	NA		NM			NA
	10-Mar-17	NS	NA	23.39	NA	NA		NM			NA
	05-Jul-18	NS	NA	23.60	NA	NA		NM			NA
	29-Apr-19	NS	23.61	23.62	0.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-14	24-Feb-16	NS	NA	22.47	NA	NA		NM			NA
	07-Sep-16	NS	22.85	22.88	0.03	NA		NM			NA
	10-Mar-17	NS	NA	22.48	NA	NA		NM			NA
	05-Jul-18	NS	NA	22.70	NA	NA		NM			NA
	29-Apr-19	NS	NA	22.75	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-16	24-Feb-16	NS	NA	20.61	NA	NA		NM			NA
	07-Sep-16	NS	NA	21.00	NA	NA		NM			NA
	10-Mar-17	NS	NA	20.61	NA	NA		NM			NA
	05-Jul-18	NS	NA	20.81	NA	NA		NM			NA
	29-Apr-19	NS	20.86	20.87	0.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-17	24-Feb-16	NS	20.76	20.82	0.06	NA		NM			NA
	07-Sep-16	NS	NA	21.19	NA	NA		NM			NA
	10-Mar-17	NS	NA	20.80	NA	NA		NM			NA
	05-Jul-18	NS	NA	21.01	NA	NA		NM			NA
	29-Apr-19	NS	NA	21.04	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-18	24-Feb-16	NS	NA	19.90	NA	NA		NM			NA
	07-Sep-16	NS	NA	20.31	NA	NA		NM			NA
	10-Mar-17	NS	NA	19.92	NA	NA		NM			NA
	05-Jul-18	NS	NA	20.13	NA	NA		NM			NA
	29-Apr-19	NS	NA	20.15	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-19	24-Feb-16	NS	NA	19.61	NA	NA		NM			NA
	07-Sep-16	NS	NA	19.71	NA	NA		NM			NA
	10-Mar-17	NS	NA	19.65	NA	NA		NM			NA
	05-Jul-18	NS	NA	20.69	NA	NA		NM			NA
	29-Apr-19	NS	NA	19.87	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-20	24-Feb-16	NS	NA	19.35	NA	NA		NM			NA
	07-Sep-16	NS	19.74	19.75	0.01	NA		NM			NA
	10-Mar-17	NS	NA	19.35	NA	NA		NM			NA
	05-Jul-18	NS	NA	19.62	NA	NA		NM			NA
	29-Apr-19	NS	NA	19.57	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-21	24-Feb-16	NS	20.41	21.15	0.74	NA		NM			NA
	07-Sep-16	NS	20.64	22.21	1.57	NA		NM			NA
	10-Mar-17	NS	20.48	20.90	0.42	NA		NM			NA
	05-Jul-18	NS	20.63	21.44	0.81	NA		NM			NA
	29-Apr-19	NS	20.75	20.89	0.14	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-22	24-Feb-16	NS	21.31	21.47	0.16	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NS	NA	21.37	NA	NA		NM			NA
	05-Jul-18	NS	21.58	21.59	0.01	NA		NM			NA
	29-Apr-19	NS	21.58	21.62	0.04	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-23	24-Feb-16	NS	21.38	21.40	0.02	NA		NM			NA
	07-Sep-16	NS	NA	21.78	NA	NA		NM			NA
	10-Mar-17	NS	NA	21.41	NA	NA		NM			NA
	05-Jul-18	NS	NA	21.61	NA	NA		NM			NA
	29-Apr-19	NS	NA	20.75	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-24	24-Feb-16	NS	NA	23.30	NA	NA		NM			NA
	07-Sep-16	NS	23.69	23.71	0.02	NA		NM			NA
	10-Mar-17	NS	NA	23.32	NA	NA		NM			NA
	05-Jul-18	NS	NA	23.55	NA	NA		NM			NA
	29-Apr-19	NS	23.55	23.56	0.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-25	24-Feb-16	NS	NA	23.65	NA	NA		NM			NA
	07-Sep-16	NS	24.05	24.06	0.01	NA		NM			NA
	10-Mar-17	NS	NA	23.69	NA	NA		NM			NA
	05-Jul-18	NS	NA	23.94	NA	NA		NM			NA
	29-Apr-19	NS	23.91	23.92	0.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-26	24-Feb-16	NS	23.35	24.06	0.71	NA		NM			NA
	07-Sep-16	NS	23.71	24.49	0.78	NA		NM			NA
	10-Mar-17	NS	23.39	24.05	0.66	NA		NM			NA
	05-Jul-18	NS	23.68	24.24	0.56	NA		NM			NA
	29-Apr-19	NS	23.63	24.23	0.60	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-27	24-Feb-16	NS	NA	22.35	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	05-Jul-18	NS	NA	23.05	NA	NA		NM			NA
	29-Apr-19	NS	NA	22.71	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-28	24-Feb-16	NS	NA	22.17	NA	NA		NM			NA
	07-Sep-16	NS	NA	22.59	NA	NA		NM			NA
	10-Mar-17	NS	NA	22.20	NA	NA		NM			NA
	05-Jul-18	NS	NA	22.53	NA	NA		NM			NA
	29-Apr-19	NS	NA	23.41	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-29	24-Feb-16	NS	NA	20.80	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	05-Jul-18	NS	NA	21.65	NA	NA		NM			NA
	29-Apr-19	NS	NA	21.39	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-30	24-Feb-16	NS	NA	21.30	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	05-Jul-18	NS	NA	22.17	NA	NA		NM			NA
	29-Apr-19	NS	NA	22.02	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-31	24-Feb-16	NS	NA	22.65	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	10-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	05-Jul-18	NS	NA	23.42	NA	NA		NM			NA
	29-Apr-19	NS	NA	23.29	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-33	24-Feb-16	NS	22.72	22.94	0.22	NA		NM			NA
	07-Sep-16	NS	22.97	23.90	0.93	NA		NM			NA
	10-Mar-17	NS	22.76	22.90	0.14	NA		NM			NA
	05-Jul-18	NS	23.09	23.62	0.53	NA		NM			NA
	29-Apr-19	NS	23.10	23.36	0.26	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-34	24-Feb-16	NS	21.31	21.35	0.04	NA		NM			NA
	07-Sep-16	NS	21.69	21.71	0.02	NA		NM			NA
	10-Mar-17	NS	NA	21.34	NA	NA		NM			NA
	05-Jul-18	NS	22.95	23.25	0.30	NA		NM			NA
	29-Apr-19	NS	22.97	23.13	0.16	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-35	24-Feb-16	NS	20.44	20.56	0.12	NA		NM			NA
	07-Sep-16	NS	20.68	21.49	0.81	NA		NM			NA
	10-Mar-17	NS	NA	20.49	NA	NA		NM			NA
	05-Jul-18	NS	NA	21.55	NA	NA		NM			NA
	29-Apr-19	NS	NA	21.54	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-36	24-Feb-16	NS	20.70	21.32	0.62	NA		NM			NA
	07-Sep-16	NS	20.95	22.22	1.27	NA		NM			NA
	10-Mar-17	NS	20.74	21.30	0.56	NA		NM			NA
	05-Jul-18	NS	NA	20.71	NA	NA		NM			NA
	29-Apr-19	NS	NA	20.68	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	NA	20.32	NA	NA		NM			NA

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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-37	07-Sep-16	NS	20.68	20.70	0.02	NA		NM			NA
	05-Jul-18	NS	20.70	20.91		NA		NM			NA
	29-Apr-19	NS	20.93	21.37	0.44	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-38	24-Feb-16	NS	NA	20.32	NA	NA		NM			NA
	07-Sep-16	NS	20.68	20.70	0.02	NA		NM			NA
	10-Mar-17	NS	NA	20.33	NA	NA		NM			NA
	05-Jul-18	NS	20.60	20.65	0.05	NA		NM			NA
	29-Apr-19	NS	20.46	20.78	0.32	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-39	24-Feb-16	NS	NA	17.94	NA	NA		NM			NA
	07-Sep-16	NS	NA	18.33	NA	NA		NM			NA
	10-Mar-17	NS	NA	17.94	NA	NA		NM			NA
	05-Jul-18	NS	NA	18.24	NA	NA		NM			NA
	29-Apr-19	NS	NA	18.14	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-40	24-Feb-16	NS	NA	18.16	NA	NA		NM			NA
	07-Sep-16	NS	NA	18.53	NA	NA		NM			NA
	10-Mar-17	NS	NA	18.16	NA	NA		NM			NA
	05-Jul-18	NS	NA	18.44	NA	NA		NM			NA
	29-Apr-19	NS	NA	18.34	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-41	24-Feb-16	NS	NA	18.82	NA	NA		NM			NA
	07-Sep-16	NS	19.18	19.20	0.02	NA		NM			NA
	10-Mar-17	NS	NA	18.85	NA	NA		NM			NA
	05-Jul-18	NS	NA	19.10	NA	NA		NM			NA
	29-Apr-19	NS	NA	19.02	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-42	24-Feb-16	NS	19.55	19.69	0.14	NA		NM			NA
	07-Sep-16	NS	19.71	20.73	1.02	NA		NM			NA
	10-Mar-17	NS	19.56	19.72	0.16	NA		NM			NA
	05-Jul-18	NS	19.74	20.30	0.56	NA		NM			NA
	29-Apr-19	NS	19.76	19.87	0.11	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-43	24-Feb-16	NS	20.43	20.47	0.04	NA		NM			NA
	07-Sep-16	NS	20.71	21.29	0.58	NA		NM			NA
	10-Mar-17	NS	NA	20.46	NA	NA		NM			NA
	05-Jul-18	NS, Wasp Nest In Well									
	29-Apr-19	NS	NA	20.66	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-44	24-Feb-16	NS	20.26	20.39	0.13	NA		NM			NA
	07-Sep-16	NS	20.46	21.50	1.04	NA		NM			NA
	10-Mar-17	NS	20.25	20.48	0.23	NA		NM			NA
	05-Jul-18	NS	21.41	22.10	0.69	NA		NM			NA
	29-Apr-19	NS	21.49	21.80	0.31	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	20.73	20.96	0.23	NA		NM			NA

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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-45	07-Sep-16	NS	20.91	21.75	0.84	NA		NM			NA
	10-Mar-17	NS	20.75	21.01	0.26	NA		NM			NA
	05-Jul-18	NS	20.85	21.70	0.85	NA		NM			NA
	29-Apr-19	NS	20.90	21.43	0.53	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-46	24-Feb-16	NS	21.81	21.89	0.08	NA		NM			NA
	07-Sep-16	NS	22.17	22.51	0.34	NA		NM			NA
	10-Mar-17	NS	21.84	21.86	0.02	NA		NM			NA
	06-Jul-18	NS	NA	22.10	NA	NA		NM			NA
	29-Apr-19	NS	22.00	22.39	0.39	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-47	24-Feb-16	NS	21.21	21.77	0.56	NA		NM			NA
	07-Sep-16	NS	21.54	22.78	1.24	NA		NM			NA
	10-Mar-17	NS	21.25	21.71	0.46	NA		NM			NA
	06-Jul-18	NS	21.51	22.59	1.08	NA		NM			NA
	29-Apr-19	NS	21.45	22.09	0.64	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-48	24-Feb-16	NS	NA	20.39	NA	NA		NM			NA
	07-Sep-16	NS	NA	20.83	NA	NA		NM			NA
	10-Mar-17	NS	NA	20.40	NA	NA		NM			NA
	06-Jul-18	NS	NA	20.88	NA	NA		NM			NA
	29-Apr-19	NS	NA	20.56	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	NA	19.73	NA	NA		NM			NA

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Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-49	07-Sep-16	NS	20.37	20.38	0.01	NA		NM			NA
	10-Mar-17	NS	NA	19.80	NA	NA		NM			NA
	06-Jul-18	NS	NA	20.35	NA	NA		NM			NA
	29-Apr-19	NS	NA	20.02	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-50	24-Feb-16	NS	20.74	21.55	0.81	NA		NM			NA
	07-Sep-16	NS	21.07	22.59	1.52	NA		NM			NA
	10-Mar-17	NS	20.75	21.59	0.84	NA		NM			NA
	06-Jul-18	NS	21.08	22.09	1.01	NA		NM			NA
	29-Apr-19	NS	20.95	21.90	0.95	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-51	24-Feb-16	NS	21.01	21.03	0.02	NA		NM			NA
	07-Sep-16	NS	21.37	21.38	0.01	NA		NM			NA
	10-Mar-17	NS	20.89	20.97	0.08	NA		NM			NA
	06-Jul-18	NS	NA	22.02	NA	NA		NM			NA
	29-Apr-19	NS	21.95	22.14	0.19	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-52	24-Feb-16	NS	21.09	21.31	0.22	NA		NM			NA
	07-Sep-16	NS	21.31	22.32	1.01	NA		NM			NA
	10-Mar-17	NS	21.10	21.35	0.25	NA		NM			NA
	06-Jul-18	NS	21.26	21.92	0.66	NA		NM			NA
	29-Apr-19	NS	21.27	21.75	0.48	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	19.83	20.09	0.26	NA		NM			NA

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Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-53	17-Sep-16	NS	20.01	21.11	1.10	NA		NM			NA
	10-Mar-17	NS	19.87	19.99	0.12	NA		NM			NA
	06-Jul-18	NS	20.04	20.55	0.51	NA		NM			NA
	29-Apr-19	NS	20.06	20.27	0.21	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-54	24-Feb-16	NS	19.55	19.59	0.04	NA		NM			NA
	07-Sep-16	NS	19.80	20.41	0.61	NA		NM			NA
	10-Mar-17	NS	19.56	19.61	0.05	NA		NM			NA
	06-Jul-18	NS	19.82	19.85	0.03	NA		NM			NA
	29-Apr-19	NS	19.75	19.86	0.11	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-55	24-Feb-16	NS	19.00	19.02	0.02	NA		NM			NA
	07-Sep-16	NS	NA	19.37	NA	NA		NM			NA
	10-Mar-17	NS	NA	19.05	NA	NA		NM			NA
	06-Jul-18	NS	NA	19.32	NA	NA		NM			NA
	29-Apr-19	NS	NA	19.22	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-56	24-Feb-16	NS	NA	14.42	NA	NA		NM			NA
	07-Sep-16	NS	NA	14.80	NA	NA		NM			NA
	10-Mar-17	NS	NA	14.45	NA	NA		NM			NA
	06-Jul-18	NS	NA	14.73	NA	NA		NM			NA
	29-Apr-19	NS	NA	14.63	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	NA	15.14	NA	NA		NM			NA

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-57	07-Sep-16	NS	NA	15.92	NA	NA		NM			NA
	10-Mar-17	NS	NA	15.20	NA	NA		NM			NA
	06-Jul-18	NS	NA	15.01	NA	NA		NM			NA
	29-Apr-19	NS	NM	NM	NM	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-58	24-Feb-16	NS	NA	15.39	NA	NA		NM			NA
	07-Sep-16	NS	NA	15.75	NA	NA		NM			NA
	10-Mar-17	NS	NA	15.38	NA	NA		NM			NA
	06-Jul-18	NS	NA	15.66	NA	NA		NM			NA
	29-Apr-19	NS	NA	15.53	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-59	24-Feb-16	NS	NA	14.04	NA	NA		NM			NA
	07-Sep-16	NS	NA	14.39	NA	NA		NM			NA
	10-Mar-17	NS	NA	14.02	NA	NA		NM			NA
	06-Jul-18	NS	NA	14.35	NA	NA		NM			NA
	29-Apr-19	NS	NA	14.23	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-60	24-Feb-16	NS	NA	14.34	NA	NA		NM			NA
	07-Sep-16	NS	NA	14.65	NA	NA		NM			NA
	13-Mar-17	NS	NA	14.20	NA	NA		NM			NA
	06-Jul-18	NS	NA	14.76	NA	NA		NM			NA
	29-Apr-19	NS	NA	14.53	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	NA	14.16	NA	NA		NM			NA

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-61	07-Sep-16	NS	NA	14.51	NA	NA		NM			NA
	13-Mar-17	NS	NA	14.14	NA	NA		NM			NA
	06-Jul-18	NS	NA	14.43	NA	NA		NM			NA
	29-Apr-19	NS	NA	14.35	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-62	24-Feb-16	NS	NA	14.53	NA	NA		NM			NA
	07-Sep-16	NS	NA	14.86	NA	NA		NM			NA
	13-Mar-17	NS	NA	14.52	NA	NA		NM			NA
	06-Jul-18	NS	NA	17.19	NA	NA		NM			NA
	29-Apr-19	NS	NA	17.11	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-63	24-Feb-16	NS	NA	15.19	NA	NA		NM			NA
	07-Sep-16	NS	15.53	15.77	0.24	NA		NM			NA
	13-Mar-17	NS	15.20	15.43	0.23	NA		NM			NA
	06-Jul-18	NS	18.40	18.62	0.22	NA		NM			NA
	29-Apr-19	NS	18.30	18.73	0.43	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-64	24-Feb-16	NS	15.45	15.88	0.43	NA		NM			NA
	07-Sep-16	NS	15.66	16.86	1.20	NA		NM			NA
	13-Mar-17	NS	15.51	15.75	0.24	NA		NM			NA
	06-Jul-18	NS	18.17	18.86	0.69	NA		NM			NA
	29-Apr-19	NS	18.15	18.70	0.55	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	16.21	16.66	0.45	NA		NM			NA

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-65	07-Sep-16	NS	16.45	17.43	0.98	NA		NM			NA
	13-Mar-17	NS	16.25	16.60	0.35	NA		NM			NA
	06-Jul-18	NS	19.09	19.87	0.78	NA		NM			NA
	29-Apr-19	NS	19.00	19.69	0.69	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-66	24-Feb-16	NS	16.45	16.55	0.10	NA		NM			NA
	07-Sep-16	NS	16.62	17.69	1.07	NA		NM			NA
	13-Mar-17	NS	16.44	16.62	0.18	NA		NM			NA
	06-Jul-18	NS	16.44	16.62	0.18	NA		NM			NA
	29-Apr-19	NS	19.55	20.16	0.61	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-67	24-Feb-16	NS	17.64	18.10	0.46	NA		NM			NA
	07-Sep-16	NS	18.01	18.41	0.40	NA		NM			NA
	10-Mar-17	NS	17.68	18.03	0.35	NA		NM			NA
	06-Jul-18	NS	20.98	21.18	0.20	NA		NM			NA
	29-Apr-19	NS	20.93	21.14	0.21	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-68	24-Feb-16	NS	15.83	15.85	0.02	NA		NM			NA
	07-Sep-16	NS	NA	16.46	NA	NA		NM			NA
	13-Mar-17	NS	NA	15.94	NA	NA		NM			NA
	06-Jul-18	NS	NA	19.42	NA	NA		NM			NA
	29-Apr-19	NS	NA	19.21	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
	24-Feb-16	NS	NA	15.37	NA	NA		NM			NA

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-69	07-Sep-16	NS	NA	15.81	NA	NA		NM			NA
	13-Mar-17	NS	NA	15.38	NA	NA		NM			NA
	06-Jul-18	NS	NA	18.84	NA	NA		NM			NA
	29-Apr-19	NS	NA	18.66	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-70	29-Jun-16	NS	NA	15.60	NA	NA		NM			NA
	24-Feb-16	NS	15.65	16.17	0.52	NA		NM			NA
	07-Sep-16	NS	15.85	17.03	1.18	NA		NM			NA
	13-Mar-17	NS	15.68	16.05	0.37	NA		NM			NA
	06-Jul-18	NS	19.06	19.82	0.76	NA		NM			NA
	29-Apr-19	NS	19.01	19.75	0.74	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-71	24-Feb-16	NS	15.79	16.08	0.29	NA		NM			NA
	07-Sep-16	NS	15.95	17.01	1.06	NA		NM			NA
	13-Mar-17	NS	15.80	16.00	0.20	NA		NM			NA
	06-Jul-18	NS	19.35	20.15	0.80	NA		NM			NA
	29-Apr-19	NS	19.30	20.11	0.81	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-72	24-Feb-16	NS	16.14	16.20	0.06	NA		NM			NA
	07-Sep-16	NS	16.42	16.60	0.18	NA		NM			NA
	13-Mar-17	NS	16.11	16.31	0.20	NA		NM			NA
	06-Jul-18	NS	19.49	20.21	0.72	NA		NM			NA
	29-Apr-19	NS	19.47	20.13	0.66	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-73	24-Feb-16	NS	15.87	16.82	0.95	NA		NM			NA
	07-Sep-16	NS	16.06	17.86	1.80	NA		NM			NA
	13-Mar-17	NS	15.91	16.75	0.84	NA		NM			NA
	06-Jul-18	NS	19.05	20.53	1.48	NA		NM			NA
	29-Apr-19	NS	19.09	20.10	1.01	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-74	24-Feb-16	NS	14.84	15.44	0.60	NA		NM			NA
	07-Sep-16	NS	15.12	16.04	0.92	NA		NM			NA
	13-Mar-17	NS	14.83	15.42	0.59	NA		NM			NA
	06-Jul-18	NS	18.10	18.90	0.80	NA		NM			NA
	29-Apr-19	NS	18.09	18.61	0.52	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-75	24-Feb-16	NS	14.02	14.28	0.26	NA		NM			NA
	07-Sep-16	NS	14.24	15.02	0.78	NA		NM			NA
	13-Mar-17	NS	14.02	14.21	0.19	NA		NM			NA
	06-Jul-18	NS	17.26	17.89	0.63	NA		NM			NA
	29-Apr-19	NS	17.28	17.46	0.18	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-76	24-Feb-16	NS	12.92	13.06	0.14	NA		NM			NA
	07-Sep-16	NS	13.15	13.89	0.74	NA		NM			NA
	13-Mar-17	NS	12.94	13.01	0.07	NA		NM			NA
	06-Jul-18	NS	16.13	16.76	0.63	NA		NM			NA
	29-Apr-19	NS	16.13	16.35	0.22	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-77	24-Feb-16	NS	12.42	12.49	0.07	NA		NM			NA
	07-Sep-16	NS	12.79	12.87	0.08	NA		NM			NA
	13-Mar-17	NS	12.44	12.50	0.06	NA		NM			NA
	06-Jul-18	NS	15.76	15.81	0.05	NA		NM			NA
	29-Apr-19	NS	15.61	15.69	0.08	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-78	24-Feb-16	NS	NA	11.49	NA	NA		NM			NA
	07-Sep-16	NS	11.83	11.84	0.01	NA		NM			NA
	13-Mar-17	NS	NA	11.48	NA	NA		NM			NA
	06-Jul-18	NS	NA	15.68	NA	NA		NM			NA
	29-Apr-19	NS	NA	15.57	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-79	24-Feb-16	NS	NA	11.22	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	13-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	06-Jul-18	NS	NA	14.63	NA	NA		NM			NA
	29-Apr-19	NS	NA	14.36	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-80	24-Feb-16	NS	NA	8.77	NA	NA		NM			NA
	07-Sep-16	NM-WELL PLUGGED WITH TREE ROOTS									
	13-Mar-17	NM-WELL PLUGGED WITH TREE ROOTS									
	06-Jul-18	NS	NA	12.26	NA	NA		NM			NA
	29-Apr-19	NS	14.57	14.66	0.09	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-81	24-Feb-16	NS	10.61	10.73	0.12	NA		NM			NA
	07-Sep-16	NS	10.84	11.67	0.83	NA		NM			NA
	13-Mar-17	NS	NA	10.61	NA	NA		NM			NA
	06-Jul-18	NS	14.74	15.05	0.31	NA		NM			NA
	29-Apr-19	NS	14.45	14.56	0.11	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-82	24-Feb-16	NS	NA	10.91	NA	NA		NM			NA
	07-Sep-16	NS	11.20	11.45	0.25	NA		NM			NA
	13-Mar-17	NS	NA	10.90	NA	NA		NM			NA
	06-Jul-18	NS	14.52	14.75	0.23	NA		NM			NA
	29-Apr-19	NS	15.83	16.03	0.20	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-83	24-Feb-16	NS	12.28	12.60	0.32	NA		NM			NA
	07-Sep-16	NS	12.49	13.32	0.83	NA		NM			NA
	13-Mar-17	NS	12.30	12.49	0.19	NA		NM			NA
	06-Jul-18	NS	15.83	16.43	0.60	NA		NM			NA
	29-Apr-19	NS	19.54	20.01	0.47	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-84	24-Feb-16	NS	15.98	16.30	0.32	NA		NM			NA
	07-Sep-16	NS	16.22	17.23	1.01	NA		NM			NA
	13-Mar-17	NS	16.02	16.24	0.22	NA		NM			NA
	06-Jul-18	NS	19.55	20.35	0.80	NA		NM			NA
	29-Apr-19	NS	19.42	20.05	0.63	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-85	24-Feb-16	NS	15.89	16.42	0.53	NA		NM			NA
	07-Sep-16	NS	16.12	17.09	0.97	NA		NM			NA
	13-Mar-17	NS	15.90	16.41	0.51	NA		NM			NA
	06-Jul-18	NS	19.42	20.34	0.92	NA		NM			NA
	29-Apr-19	NS	20.81	20.89	0.08	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-86	24-Feb-16	NS	NA	17.28	NA	NA		NM			NA
	07-Sep-16	NS	17.46	18.21	0.75	NA		NM			NA
	13-Mar-17	NS	NA	17.26	NA	NA		NM			NA
	06-Jul-18	NS	20.81	22.21	1.40	NA		NM			NA
	29-Apr-19	NS	19.32	19.87	0.55	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-87	24-Feb-16	NS	15.78	16.16	0.38	NA		NM			NA
	07-Sep-16	NS	16.00	16.73	0.73	NA		NM			NA
	13-Mar-17	NS	15.74	16.25	0.51	NA		NM			NA
	06-Jul-18	NS	19.33	19.97	0.64	NA		NM			NA
	29-Apr-19	NS	17.19	18.02	0.83	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

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SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date	T.O.C. (ft amsl)	Depth to Product (ft)	Depth to Water (ft)	NAPL Thickness (ft)	Corrected GW (ft)	pH	Conductivity (mS)	Temp. (°C)	ORP (mV)	Purge Volume (gallons)
MPE-88	24-Feb-16	NS	13.68	14.10	0.42	NA		NM			NA
	07-Sep-16	NS	13.88	15.01	1.13	NA		NM			NA
	13-Mar-17	NS	13.72	14.01	0.29	NA		NM			NA
	06-Jul-18	NS	17.19	18.19	1.00	NA		NM			NA
	29-Apr-19	NS	18.18	18.97	0.79	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-89	24-Feb-16	NS	14.71	15.14	0.43	NA		NM			NA
	07-Sep-16	NS	14.88	16.05	1.17	NA		NM			NA
	13-Mar-17	NS	14.69	15.11	0.42	NA		NM			NA
	06-Jul-18	NS	18.20	19.22	1.02	NA		NM			NA
	29-Apr-19	NS	17.92	18.56	0.64	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									
MPE-90	24-Feb-16	NS	14.79	15.15	0.36	NA		NM			NA
	07-Sep-16	NS	14.96	16.31	1.35	NA		NM			NA
	13-Mar-17	NS	14.80	15.10	0.30	NA		NM			NA
	06-Jul-18	NS	17.93	19.06	1.13	NA		NM			NA
	29-Apr-19	NS	NM	NM	NA	NA		NM			NA
	24-Oct-19	MEASURED, BUT MISPLACED DATA									
	02-Aug-22	NOT MEASURED DUE TO H2S									

Notes: NA Not Applicable
 NM Not Measured
 NS Not Surveyed

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-1	16-Feb-16	<2.0	<2.0	<2.0	<3.0	<2.0	<8.0	<0.10	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-2	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-3	26-Feb-16	<2.0	<2.0	<2.0	<3.0	<2.0	<4.0	0.23	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-4	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-5	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-6	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-7	16-Feb-16	NS-NAPL Present								
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-8	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	0.10	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-9	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene μg/L	Toluene μg/L	Ethyl- benzene μg/L	Xylenes μg/L	MTBE μg/L	Naph- thalene μg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-10	16-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-11	17-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-12	16-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-13	16-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-14	16-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-15	17-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	0.091	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene μg/L	Toluene μg/L	Ethyl- benzene μg/L	Xylenes μg/L	MTBE μg/L	Naph- thalene μg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-16	17-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.10	1.5	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-17	17-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	3.3	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-18	17-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-19	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-20	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-21	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-22	17-Feb-16	<10	<10	<10	68	<10	<40	1.3	8.7	<5.0
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS								
	9-Jul-18	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-23	17-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	1.1	NA	NA	NA	NA
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-24	17-Feb-16	<1.0	<1.0	<1.0	<1.5	1.1	<4.0	<0.050	8.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	1.1	NA	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-25	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-26	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-28	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-29	19-Feb-16	6.4	<1.0	1.7	3	5.9	<2.0	0.390	2.2	<5.0
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-30	19-Feb-16	<1.0	<1.0	<1.0	<1.5	10	<2.0	<0.10	<1.0	<5.0
	8-Sep-16	NS-Wasp Nest In Well								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	21	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	18	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	4-Aug-22	<2.0	<2.0	<2.0	<3.0	10	NA	NA	NA	NA
TW-31	19-Feb-16	<1.0	<1.0	<1.0	<1.5	10	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	4.9	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	6.6	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	<2.0	<2.0	<2.0	<3.0	2.7	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph- thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-32	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-33	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-34	23-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-35	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-36	22-Feb-16	<1.0	<1.0	<1.0	<1.5	1.2	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	1.8	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	2.6	NA	NA	NA	NA
	10-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-37	25-Feb-16	130	<10	50	<15	68	<20	1.9	<1.0	<5.0
	8-Sep-16	12	<1.0	<1.0	<1.5	11	NA	NA	NA	NA
	29-Mar-17	290	<5.0	12	<7.5	79	NA	NA	NA	NA
	10-Jul-18	200	<5.0	34	<7.5	74	<20	NA	NA	NA
	1-May-19	200	<5.0	16	<7.5	77	NA	NA	NA	NA
	24-Oct-19	130	<2.0	3.1	<3.0	49	NA	NA	NA	NA
	2-Aug-22	41	<2.0	12	<3.0	84	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene μg/L	Toluene μg/L	Ethyl- benzene μg/L	Xylenes μg/L	MTBE μg/L	Naph- thalene μg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-38	25-Feb-16	8	<1.0	6.5	50	52	4.6	0.97	<1.0	<5.0
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	10-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-39	19-Feb-16	<1.0	<1.0	<1.0	<1.5	8.8	<2.0	0.35	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	11	6	6.7	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	2	8.0	NA	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	17	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	<2.0	<2.0	<2.0	<3.0	<2.0	NA	NA	NA	NA
TW-40	17-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene μg/L	Toluene μg/L	Ethyl- benzene μg/L	Xylenes μg/L	MTBE μg/L	Naph- thalene μg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-41	22-Feb-16	25	<10	270	710	<10	<20	4.4	5.1	<5.0
	8-Sep-16	79	<10	250	170	<10	<4.0	NA	NA	NA
	29-Mar-17	10	<2.0	29.0	4.0	6.6	<4.0	NA	NA	NA
	9-Jul-18	41	<2.0	14	47	8.0	<8.0	NA	NA	NA
	1-May-19	11	<1.0	4.4	41	5.0	NA	NA	NA	NA
	24-Oct-19	21	<1.0	3.3	<1.5	9.4	NA	NA	NA	NA
	2-Aug-22	7.1	<1.0	<1.0	<1.5	4.5	NA	NA	NA	NA
TW-42	22-Feb-16	<1.0	<1.0	<1.0	<1.5	23	<4.0	0.11	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	21	<4.0	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	27	<4.0	NA	NA	NA
	9-Jul-18	<1.0	<1.0	<1.0	<1.5	16	<4.0	NA	NA	NA
	1-May-19	<2.0	<2.0	<2.0	<3.0	21	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	33	NA	NA	NA	NA
	2-Aug-22	<1.0	<1.0	<1.0	<1.5	12	NA	NA	NA	NA
TW-43	22-Feb-16	<1.0	<1.0	<1.0	<1.5	380	<2.0	0.44	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	300	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	340	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	210	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	180	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	110	NA	NA	NA	NA
	2-Aug-22	<2.0	<2.0	<2.0	<3.0	75	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph- thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-44	22-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
TW-45	23-Feb-16	<1.0	<1.0	<1.0	<1.5	66	<2.0	0.15	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	83	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	82	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	55	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	55	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	43	NA	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	64	NA	NA	NA	NA
TW-46	23-Feb-16	<1.0	<1.0	<1.0	<1.5	17	<2.0	<0.10	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	73	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	19	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	73	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	80	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	41	NA	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	38	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene μg/L	Toluene μg/L	Ethyl- benzene μg/L	Xylenes μg/L	MTBE μg/L	Naph- thalene μg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-47	26-Feb-16	<1.0	<1.0	<1.0	<1.5	18	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	4	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	4.0	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	4.0	<4.0	NA	NA	NA
	2-Aug-22	DESTROYED								
TW-48	19-Feb-16	<1.0	<1.0	<1.0	<1.5	6.5	<2.0	<0.10	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	4.5	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	4.0	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	4.0	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	4.0	<4.0	NA	NA	NA
	4-Aug-22	<2.0	<2.0	<2.0	<3.0	4.0	NA	NA	NA	NA
TW-49	26-Feb-16	<1.0	<1.0	<1.0	<1.5	15	<2.0	<0.050	<1.0	<5.0
	7-Sep-16	Well Destroyed								
TW-50	26-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-51	26-Feb-16	<2.0	<2.0	<2.0	<3.0	210	<4.0	0.70	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	220	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	270	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	150	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	240	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	170	<4.0	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	140	NA	NA	NA	NA
TW-52	26-Feb-16	<1.0	<1.0	<1.0	<1.5	93	<4.0	0.11	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	78	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	130	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	90	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	110	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	100	NA	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	38	NA	NA	NA	NA
TW-53	26-Feb-16	<1.0	<1.0	<1.0	<1.5	9.7	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	10	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	7.9	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	9.8	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	9.1	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	8.2	NA	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	5.8	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene μg/L	Toluene μg/L	Ethyl- benzene μg/L	Xylenes μg/L	MTBE μg/L	Naph- thalene μg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
TW-54	26-Feb-16	<1.0	<1.0	<1.0	<1.5	19	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	31	<4.0	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	20	<4.0	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	18	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	21	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	15	NA	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	19	NA	NA	NA	NA
MW-4	19-Feb-16	<1.0	<1.0	<1.0	<1.5	47	<2.0	0.083	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	43	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	12	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	18	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	23	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	<1.0	<1.0	<1.0	<1.5	3.2	NA	NA	NA	NA
MW-5	22-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	72	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	28	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	65	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	77	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	66	NA	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	14	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
MW-6	19-Feb-16	<1.0	<1.0	<1.0	<1.5	77	<2.0	0.094	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	20	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	8.1	<4.0	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	12	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	8.7	NA	NA	NA	NA
MW-7	19-Feb-16	<1.0	<1.0	<1.0	<1.5	7.8	<2.0	<0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	2.0	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	11	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	62	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	1.6	NA	NA	NA	NA
MW-9	1-Mar-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.10	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	10-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
MW-10	1-Mar-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	<0.10	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	NS								
	10-Jul-18	NS								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
MW-12	25-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
MW-13	25-Feb-16	<10	<10	<10	<15	<10	<20	<0.05	25	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Xylenes µg/L	MTBE µg/L	Naph- thalene µg/L	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
MW-16	25-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<2.0	0.160	<1.0	<5.0
	8-Sep-16	NS								
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
MW-17	25-Feb-16	<1.0	<1.0	<1.0	<1.5	<1.0	<0.50	0.050	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA
	29-Mar-17	NS-NAPL Present								
	10-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
MW-18	25-Feb-16	<1.0	<1.0	<1.0	<1.5	4.4	<2.0	<0.05	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	3.0	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	8.3	NA	NA	NA	NA
	10-Jul-18	2.1	<1.0	<1.0	<1.5	10.0	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	11.0	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	9.4	NA	NA	NA	NA
	2-Aug-22	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
MW-19	25-Feb-16	<1.0	<1.0	<1.0	<1.5	130	<2.0	0.240	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	88	NA	NA	NA	NA
	29-Mar-17	<1.0	<1.0	<1.0	<1.5	130	NA	NA	NA	NA
	10-Jul-18	<1.0	<1.0	<1.0	<1.5	150	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	97	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	33	<4.0	NA	NA	NA
	2-Aug-22	<5.0	<5.0	<5.0	<7.5	<5.0	NA	NA	NA	NA
MW-20	23-Feb-16	<1.0	<1.0	<1.0	<1.5	110	<2.0	0.81	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	55	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	63	NA	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	88	<4.0	NA	NA	NA
	1-May-19	<1.0	<1.0	<1.0	<1.5	68	NA	NA	NA	NA
	24-Oct-19	<1.0	<1.0	<1.0	<1.5	51	<4.0	NA	NA	NA
	4-Aug-22	<1.0	<1.0	<1.0	<1.5	120	<4.0	NA	NA	NA
MW-21	26-Feb-16	<1.0	<1.0	<1.0	<1.5	47	<2.0	0.06	<1.0	<5.0
	8-Sep-16	<1.0	<1.0	<1.0	<1.5	39	NA	NA	NA	NA
	30-Mar-17	<1.0	<1.0	<1.0	<1.5	2.6	<4.0	NA	NA	NA
	11-Jul-18	<1.0	<1.0	<1.0	<1.5	2.6	<4.0	NA	NA	NA
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	DESTROYED								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
MW-23	26-Feb-16	NS-Dry								
	8-Sep-16	NS-Dry								
	29-Mar-17	NS-Dry								
	29-Mar-17	NS-Dry								
	11-Jul-18	NS-Dry								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
MW-25	26-Feb-16	NS-Dry								
	8-Sep-16	NS-Dry								
	29-Mar-17	NS-Dry								
	11-Jul-18	NS-Dry								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
MW-27	26-Feb-16	NS-Dry								
	8-Sep-16	NS-Dry								
	29-Mar-17	NS-Dry								
	11-Jul-18	NS-Dry								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
(VOCs and TOTAL PETROLEUM HYDROCARBONS)
Thriftway Refinery, 626 CR 5500, Bloomfield, New Mexico

Well ID	Date Sampled	Benzene $\mu\text{g/L}$	Toluene $\mu\text{g/L}$	Ethyl- benzene $\mu\text{g/L}$	Xylenes $\mu\text{g/L}$	MTBE $\mu\text{g/L}$	Naph- thalene $\mu\text{g/L}$	GRO C6-C10 mg/L	DRO C10-C22 mg/L	MRO mg/L
Sample Method		EPA Method 8260 / 8021						EPA Method 8015D		
NM WQCC STANDARD		10	750	750	620	100	30	NE	NE	NE
RW-24	26-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								
RW-25	26-Feb-16	NS-NAPL Present								
	8-Sep-16	NS-NAPL Present								
	29-Mar-17	NS-NAPL Present								
	9-Jul-18	NS-NAPL Present								
	1-May-19	NS								
	24-Oct-19	NS								
	2-Aug-22	NS								

NOTES < Analyte not detected above listed method limit
 NS Not Sampled
 NE Not established
 GRO Gasoline range organics
 DRO Diesel range organics
 MRO Motor oil range organics

FIGURES

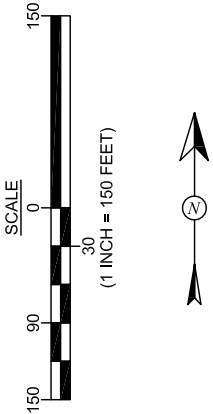


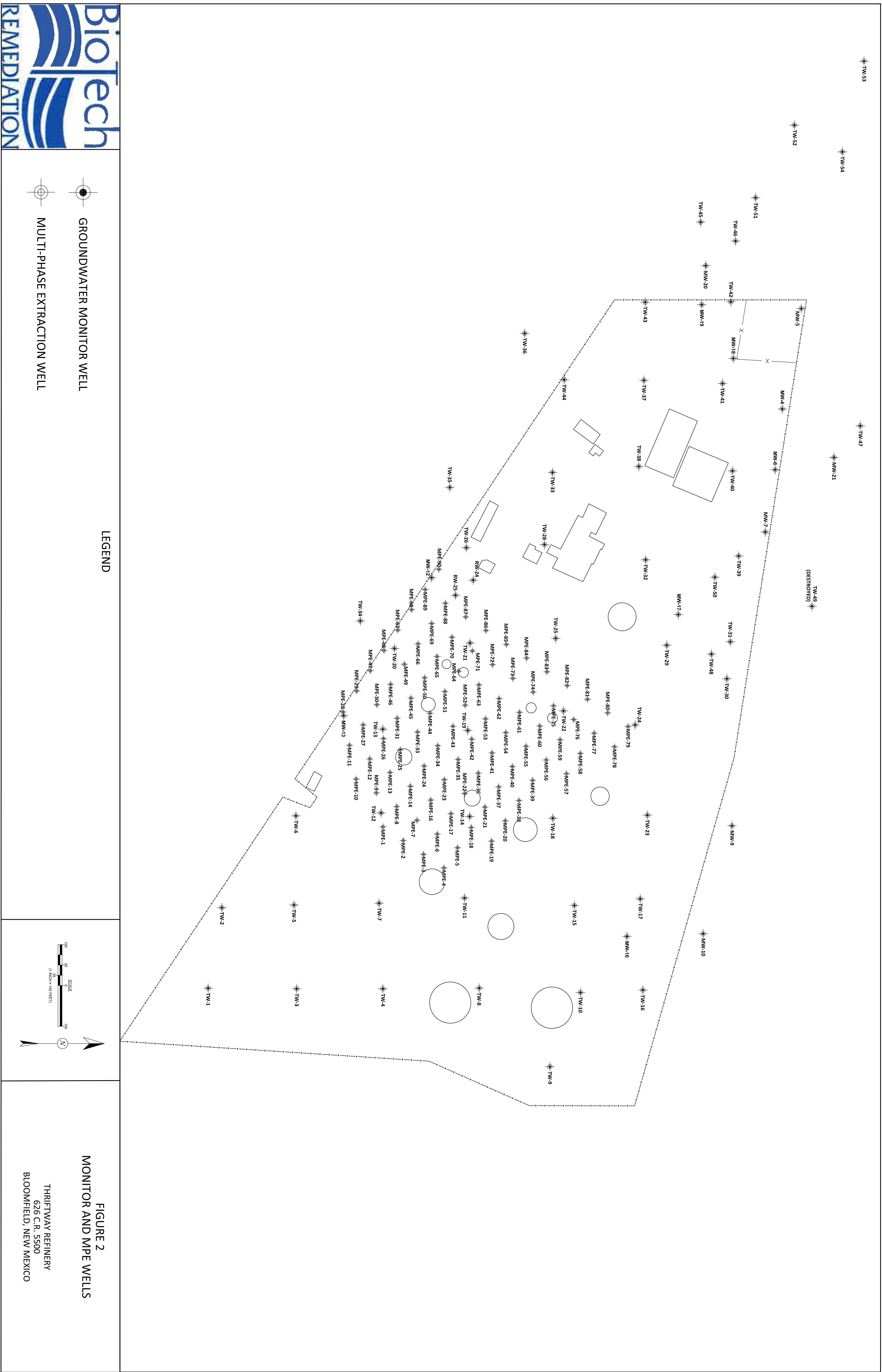
FIGURE 1

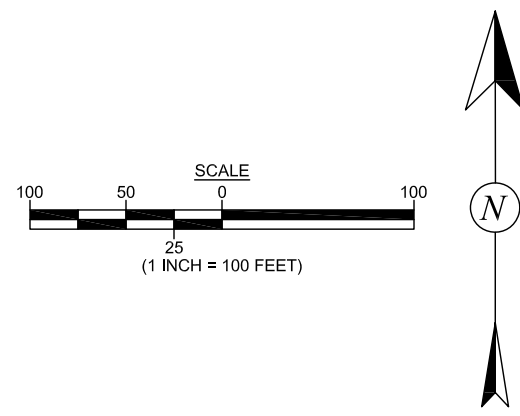
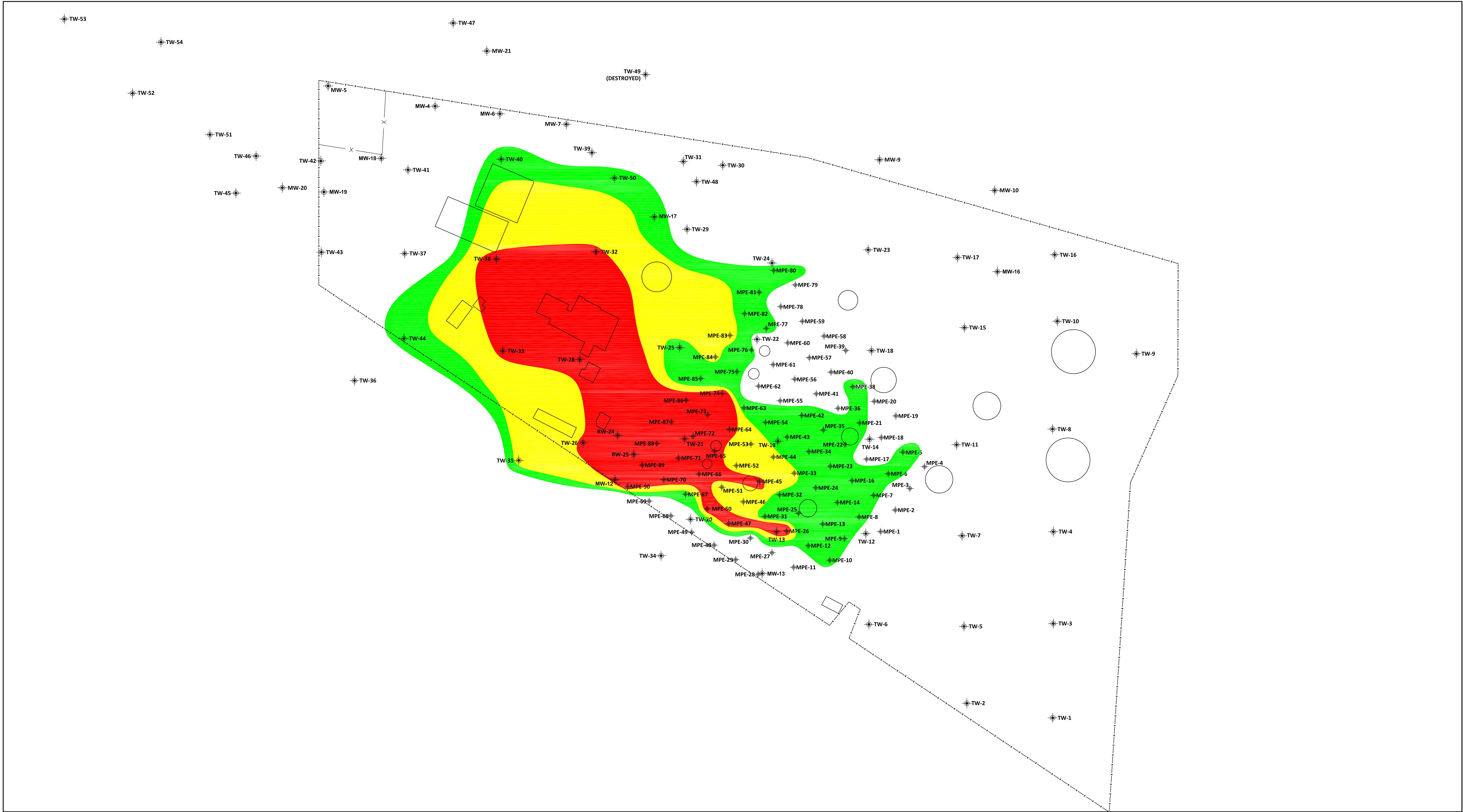
GENERAL SITE PLAN

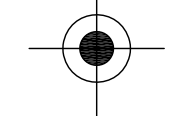
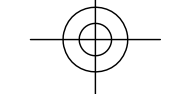
THRIFTWAY REFINERY
626 CR 5500
BLOOMFIELD, NEW MEXICO

DATE DRAWN: May 9, 2017	DATE REVISED: September 13, 2022	DATE CHECKED:	DATE APPROVED:
DRAWN BY: R. Kennemer	REVISIONS BY: R. Kennemer	CHECKED BY:	APPROVED BY:





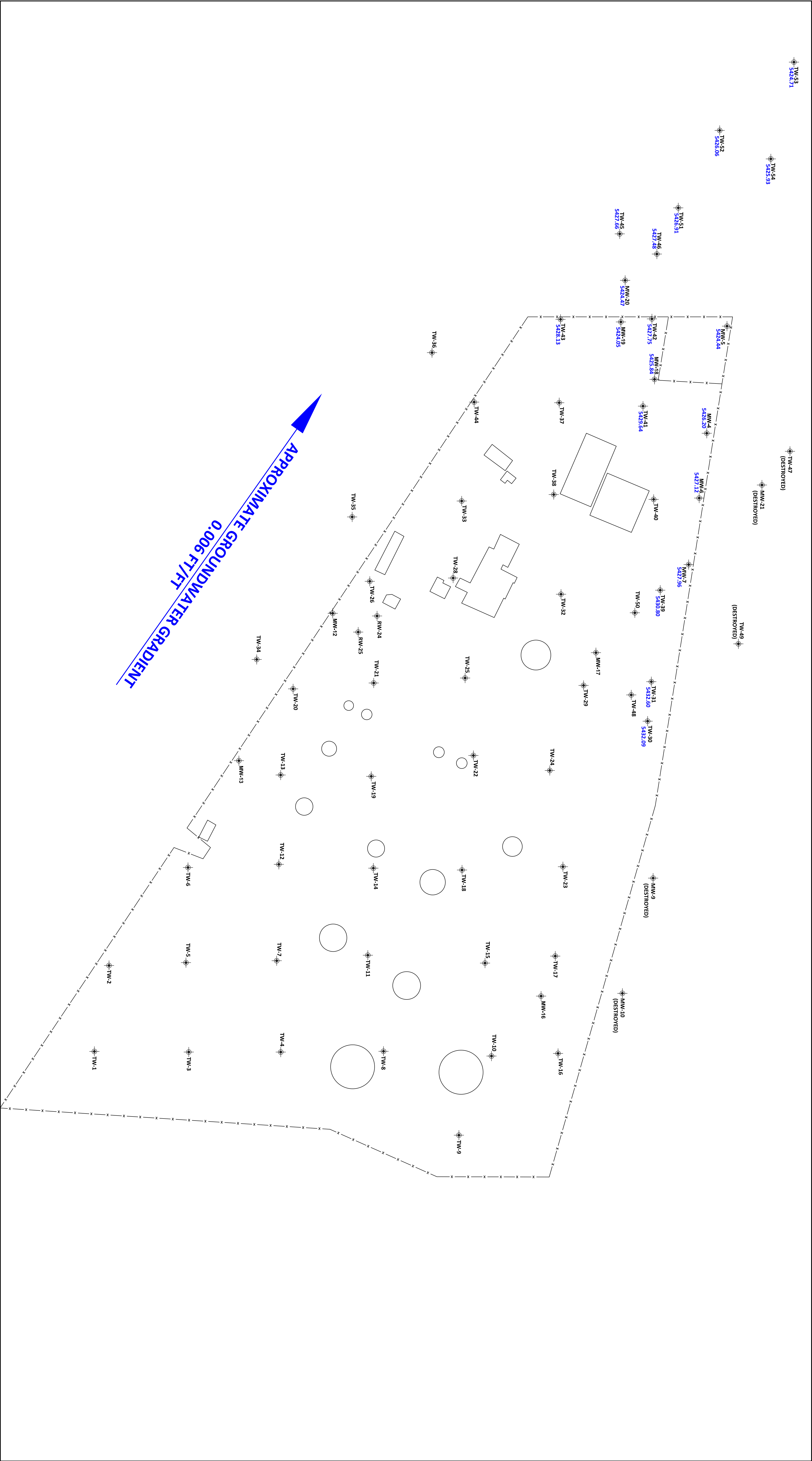


-  GROUNDWATER MONITOR WELL
-  MULTI-PHASE EXTRACTION WELL

- LEGEND
-  FREE PRODUCT THICKNESS CONTOUR (0.50 FEET)
 -  FREE PRODUCT THICKNESS CONTOUR (0.25 FEET)
 -  FREE PRODUCT THICKNESS CONTOUR (0.01 FEET)

FIGURE 3
FREE PRODUCT THICKNESS CONTOURS
MAY 2019

THRIFTWAY REFINERY
626 C.R. 5500
BLOOMFIELD, NEW MEXICO



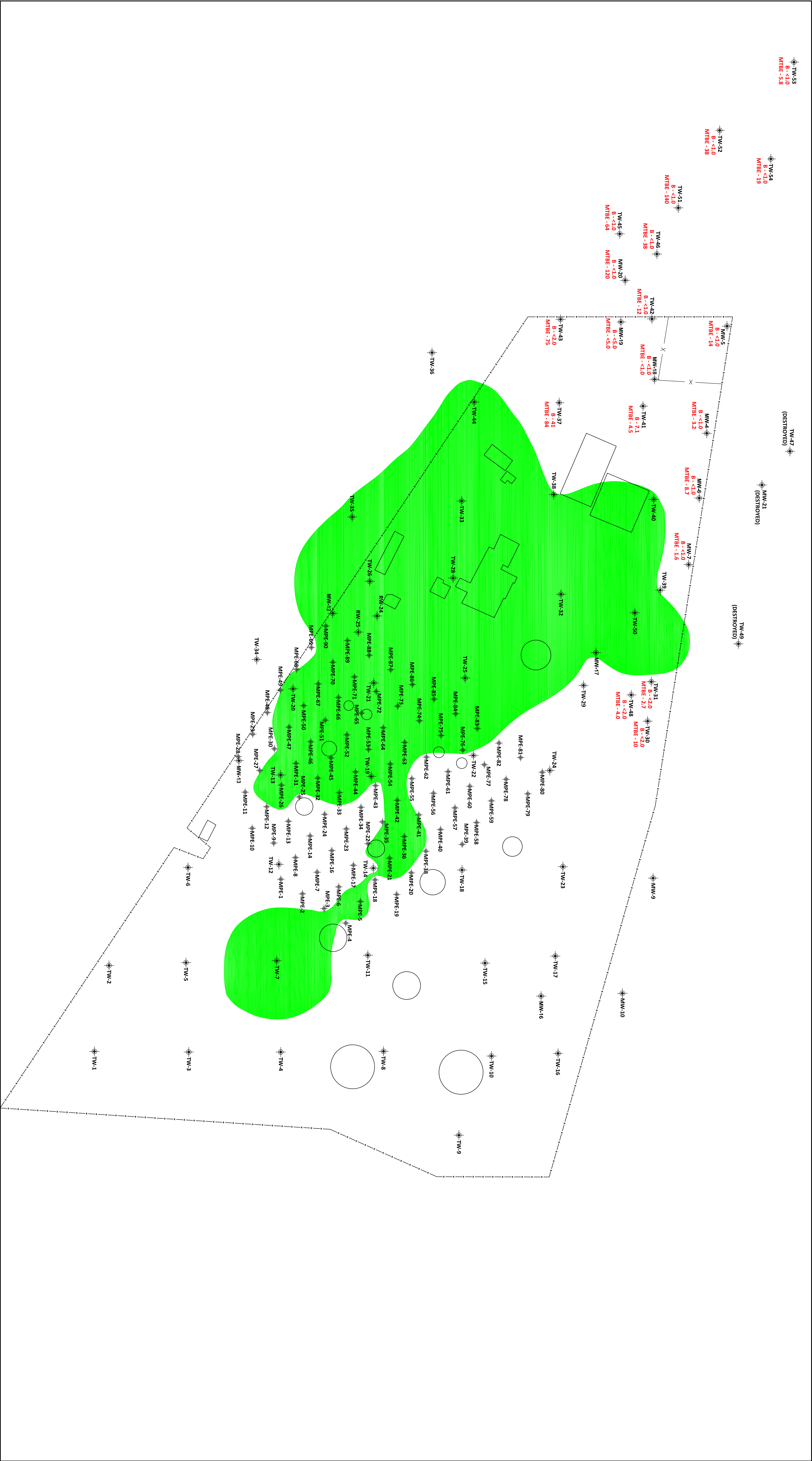
DRAWN BY: R. Kenemer	DATE DRAWN: April 4, 2016
REVISIONS BY: R. Kenemer	DATE REVISED: August 20, 2022
CHECKED BY:	DATE CHECKED:
APPROVED BY:	DATE APPROVED:

GROUNDWATER MONITOR WELL ID
AND GROUNDWATER ELEVATION IN
FEET A.M.S.L.

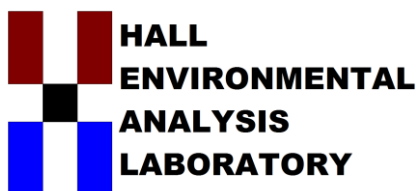
TW-5
5438.91

GROUNDWATER MONITOR WELL ID
AND GROUNDWATER ELEVATION IN
FEET A.M.S.L.

TW-5
5438.91



APPENDIX A.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 28, 2020

Ross Kennemer
Biotech Remediation, Inc.
501 Airport Dr
Farmington, NM 87401
TEL:
FAX:

RE: Thriftway #810

OrderNo.: 2009991

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/17/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109



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ANALYTICAL SUMMARY REPORT

September 27, 2020

Hall Environmental
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: G20090332
Project Name: Not Indicated

Energy Laboratories Inc. Gillette WY received the following 8 samples for Hall Environmental on 9/18/2020 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
G20090332-001	2009991-001A; MPE-1	09/16/20 9:26	09/18/20	Gas	Natural Gas Analysis - BTU Natural Gas Analysis - Compressibility Factor Natural Gas Analysis - GPM Natural Gas Analysis - Molecular Weight Natural Gas Analysis - Routine Natural Gas Analysis - Pressure Base Natural Gas Analysis - Psuedo- Critical Pressure Natural Gas Analysis - Psuedo- Critical Temperature Natural Gas Analysis - Specific Gravity Natural Gas Analysis - Temperature Base
G20090332-002	2009991-002A; MPE-3	09/16/20 9:34	09/18/20	Gas	Same As Above
G20090332-003	2009991-003A; MPE-26	09/16/20 9:47	09/18/20	Gas	Same As Above
G20090332-004	2009991-004A; MPE-90	09/16/20 9:55	09/18/20	Gas	Same As Above
G20090332-005	2009991-005A; MPE-89	09/16/20 10:02	09/18/20	Gas	Same As Above
G20090332-006	2009991-006A; MPE-88	09/16/20 10:09	09/18/20	Gas	Same As Above
G20090332-007	2009991-007A; MPE-86	09/16/20 10:17	09/18/20	Gas	Same As Above
G20090332-008	2009991-008A; MPE-83	09/16/20 10:25	09/18/20	Gas	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 400 W. Boxelder Rd., Gillette, WY 82718, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these tests results, please contact your Project Manager.

Report Approved By:



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-001A; MPE-1
Location:
Lab ID: G20090332-001

Report Date: 09/27/20
Collection Date: 09/16/20 09:26
Date Received: 09/18/20
Sampled By: Not Provided

Analyses

Result Units Qualifier Method Analysis Date / By

NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	16.898 Mol %	GPA 2261	09/24/20 15:50 / djb
Nitrogen	80.159 Mol %	GPA 2261	09/24/20 15:50 / djb
Carbon Monoxide	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Carbon Dioxide	2.943 Mol %	GPA 2261	09/24/20 15:50 / djb
Hydrogen Sulfide	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Methane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Ethane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Propane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Isobutane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
n-Butane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Isopentane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
n-Pentane	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb
Hexanes plus	< 0.001 Mol %	GPA 2261	09/24/20 15:50 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM Propane	< 0.0003 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM Isobutane	< 0.0003 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM n-Butane	< 0.0003 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM Isopentane	< 0.0004 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM n-Pentane	< 0.0004 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM Hexanes plus	< 0.0004 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM Pentanes plus	< 0.0004 gal/MCF	GPA 2261	09/24/20 15:50 / djb
GPM Total	< 0.0004 gal/MCF	GPA 2261	09/24/20 15:50 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730 psia	GPA 2261	09/24/20 15:50 / djb
Calculation Temperature Base	60 °F	GPA 2261	09/24/20 15:50 / djb
Compressibility Factor, Z	1.0000 unitless	GPA 2261	09/24/20 15:50 / djb
Molecular Weight	29.16 unitless	GPA 2261	09/24/20 15:50 / djb
Pseudo-critical Pressure, psia	551 psia	GPA 2261	09/24/20 15:50 / djb
Pseudo-critical Temperature, deg R	246 deg R	GPA 2261	09/24/20 15:50 / djb
Specific Gravity (air=1.000)	1.010 unitless	GPA 2261	09/24/20 15:50 / djb
Gross BTU per cu ft @ std cond, dry	< 0.01 BTU/cu ft	GPA 2261	09/24/20 15:50 / djb
Gross BTU per cu ft @ std cond, wet	< 0.01 BTU/cu ft	GPA 2261	09/24/20 15:50 / djb

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-002A; MPE-3
Location:
Lab ID: G20090332-002

Report Date: 09/27/20
Collection Date: 09/16/20 09:34
Date Received: 09/18/20
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
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NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	18.938	Mol %		GPA 2261	09/24/20 16:00 / djb
Nitrogen	79.144	Mol %		GPA 2261	09/24/20 16:00 / djb
Carbon Monoxide	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Carbon Dioxide	1.918	Mol %		GPA 2261	09/24/20 16:00 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Methane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Propane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Isopentane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb
Hexanes plus	< 0.001	Mol %		GPA 2261	09/24/20 16:00 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM Hexanes plus	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM Pentanes plus	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:00 / djb
GPM Total	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:00 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730	psia		GPA 2261	09/24/20 16:00 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/24/20 16:00 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/24/20 16:00 / djb
Molecular Weight	29.08	unitless		GPA 2261	09/24/20 16:00 / djb
Pseudo-critical Pressure, psia	550	psia		GPA 2261	09/24/20 16:00 / djb
Pseudo-critical Temperature, deg R	244	deg R		GPA 2261	09/24/20 16:00 / djb
Specific Gravity (air=1.000)	1.007	unitless		GPA 2261	09/24/20 16:00 / djb
Gross BTU per cu ft @ std cond, dry	< 0.01	BTU/cu ft		GPA 2261	09/24/20 16:00 / djb
Gross BTU per cu ft @ std cond, wet	< 0.01	BTU/cu ft		GPA 2261	09/24/20 16:00 / djb

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-003A; MPE-26
Location:
Lab ID: G20090332-003

Report Date: 09/27/20
Collection Date: 09/16/20 09:47
Date Received: 09/18/20
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
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NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	20.620	Mol %		GPA 2261	09/24/20 16:12 / djb
Nitrogen	77.973	Mol %		GPA 2261	09/24/20 16:12 / djb
Carbon Monoxide	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Carbon Dioxide	1.340	Mol %		GPA 2261	09/24/20 16:12 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Methane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Propane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Isopentane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	09/24/20 16:12 / djb
Hexanes plus	0.067	Mol %		GPA 2261	09/24/20 16:12 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM Hexanes plus	0.0290	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM Pentanes plus	0.0290	gal/MCF		GPA 2261	09/24/20 16:12 / djb
GPM Total	0.0290	gal/MCF		GPA 2261	09/24/20 16:12 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730	psia		GPA 2261	09/24/20 16:12 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/24/20 16:12 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/24/20 16:12 / djb
Molecular Weight	29.09	unitless		GPA 2261	09/24/20 16:12 / djb
Pseudo-critical Pressure, psia	551	psia		GPA 2261	09/24/20 16:12 / djb
Pseudo-critical Temperature, deg R	243	deg R		GPA 2261	09/24/20 16:12 / djb
Specific Gravity (air=1.000)	1.008	unitless		GPA 2261	09/24/20 16:12 / djb
Gross BTU per cu ft @ std cond, dry	3.42	BTU/cu ft		GPA 2261	09/24/20 16:12 / djb
Gross BTU per cu ft @ std cond, wet	3.36	BTU/cu ft		GPA 2261	09/24/20 16:12 / djb

Report RL - Analyte Reporting Limit

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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-004A; MPE-90
Location:
Lab ID: G20090332-004

Report Date: 09/27/20
Collection Date: 09/16/20 09:55
Date Received: 09/18/20
Sampled By: Not Provided

Analyses

Result Units Qualifier Method Analysis Date / By

NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	17.309 Mol %	GPA 2261	09/24/20 16:27 / djb
Nitrogen	79.794 Mol %	GPA 2261	09/24/20 16:27 / djb
Carbon Monoxide	< 0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
Carbon Dioxide	2.849 Mol %	GPA 2261	09/24/20 16:27 / djb
Hydrogen Sulfide	0.013 Mol %	GPA 2261	09/24/20 16:27 / djb
Methane	< 0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
Ethane	< 0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
Propane	< 0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
Isobutane	< 0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
n-Butane	< 0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
Isopentane	0.002 Mol %	GPA 2261	09/24/20 16:27 / djb
n-Pentane	0.001 Mol %	GPA 2261	09/24/20 16:27 / djb
Hexanes plus	0.032 Mol %	GPA 2261	09/24/20 16:27 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM Propane	< 0.0003 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM Isobutane	< 0.0003 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM n-Butane	< 0.0003 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM Isopentane	0.0010 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM n-Pentane	< 0.0004 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM Hexanes plus	0.0140 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM Pentanes plus	0.0150 gal/MCF	GPA 2261	09/24/20 16:27 / djb
GPM Total	0.0150 gal/MCF	GPA 2261	09/24/20 16:27 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730 psia	GPA 2261	09/24/20 16:27 / djb
Calculation Temperature Base	60 °F	GPA 2261	09/24/20 16:27 / djb
Compressibility Factor, Z	1.0000 unitless	GPA 2261	09/24/20 16:27 / djb
Molecular Weight	29.18 unitless	GPA 2261	09/24/20 16:27 / djb
Pseudo-critical Pressure, psia	552 psia	GPA 2261	09/24/20 16:27 / djb
Pseudo-critical Temperature, deg R	246 deg R	GPA 2261	09/24/20 16:27 / djb
Specific Gravity (air=1.000)	1.011 unitless	GPA 2261	09/24/20 16:27 / djb
Gross BTU per cu ft @ std cond, dry	1.85 BTU/cu ft	GPA 2261	09/24/20 16:27 / djb
Gross BTU per cu ft @ std cond, wet	1.82 BTU/cu ft	GPA 2261	09/24/20 16:27 / djb

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-005A; MPE-89
Location:
Lab ID: G20090332-005

Report Date: 09/27/20
Collection Date: 09/16/20 10:02
Date Received: 09/18/20
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
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NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	21.068	Mol %		GPA 2261	09/25/20 13:24 / djb
Nitrogen	77.881	Mol %		GPA 2261	09/25/20 13:24 / djb
Carbon Monoxide	< 0.001	Mol %		GPA 2261	09/25/20 13:24 / djb
Carbon Dioxide	0.642	Mol %		GPA 2261	09/25/20 13:24 / djb
Hydrogen Sulfide	0.016	Mol %		GPA 2261	09/25/20 13:24 / djb
Methane	< 0.001	Mol %		GPA 2261	09/25/20 13:24 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/25/20 13:24 / djb
Propane	< 0.001	Mol %		GPA 2261	09/25/20 13:24 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/25/20 13:24 / djb
n-Butane	0.001	Mol %		GPA 2261	09/25/20 13:24 / djb
Isopentane	0.028	Mol %		GPA 2261	09/25/20 13:24 / djb
n-Pentane	0.028	Mol %		GPA 2261	09/25/20 13:24 / djb
Hexanes plus	0.336	Mol %		GPA 2261	09/25/20 13:24 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM Isopentane	0.0100	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM n-Pentane	0.0100	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM Hexanes plus	0.1460	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM Pentanes plus	0.1670	gal/MCF		GPA 2261	09/25/20 13:24 / djb
GPM Total	0.1670	gal/MCF		GPA 2261	09/25/20 13:24 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730	psia		GPA 2261	09/25/20 13:24 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/25/20 13:24 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/25/20 13:24 / djb
Molecular Weight	29.20	unitless		GPA 2261	09/25/20 13:24 / djb
Pseudo-critical Pressure, psia	548	psia		GPA 2261	09/25/20 13:24 / djb
Pseudo-critical Temperature, deg R	243	deg R		GPA 2261	09/25/20 13:24 / djb
Specific Gravity (air=1.000)	1.011	unitless		GPA 2261	09/25/20 13:24 / djb
Gross BTU per cu ft @ std cond, dry	19.66	BTU/cu ft		GPA 2261	09/25/20 13:24 / djb
Gross BTU per cu ft @ std cond, wet	19.32	BTU/cu ft		GPA 2261	09/25/20 13:24 / djb

Report RL - Analyte Reporting Limit

MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit

ND - Not detected at the Reporting Limit (RL)



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-006A; MPE-88
Location:
Lab ID: G20090332-006

Report Date: 09/27/20
Collection Date: 09/16/20 10:09
Date Received: 09/18/20
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
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NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	21.690	Mol %		GPA 2261	09/25/20 13:41 / djb
Nitrogen	77.836	Mol %		GPA 2261	09/25/20 13:41 / djb
Carbon Monoxide	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
Carbon Dioxide	0.381	Mol %		GPA 2261	09/25/20 13:41 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
Methane	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
Propane	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/25/20 13:41 / djb
Isopentane	0.004	Mol %		GPA 2261	09/25/20 13:41 / djb
n-Pentane	0.004	Mol %		GPA 2261	09/25/20 13:41 / djb
Hexanes plus	0.085	Mol %		GPA 2261	09/25/20 13:41 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM Isopentane	0.0010	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM n-Pentane	0.0010	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM Hexanes plus	0.0370	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM Pentanes plus	0.0400	gal/MCF		GPA 2261	09/25/20 13:41 / djb
GPM Total	0.0400	gal/MCF		GPA 2261	09/25/20 13:41 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730	psia		GPA 2261	09/25/20 13:41 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/25/20 13:41 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/25/20 13:41 / djb
Molecular Weight	29.00	unitless		GPA 2261	09/25/20 13:41 / djb
Pseudo-critical Pressure, psia	548	psia		GPA 2261	09/25/20 13:41 / djb
Pseudo-critical Temperature, deg R	241	deg R		GPA 2261	09/25/20 13:41 / djb
Specific Gravity (air=1.000)	1.004	unitless		GPA 2261	09/25/20 13:41 / djb
Gross BTU per cu ft @ std cond, dry	4.66	BTU/cu ft		GPA 2261	09/25/20 13:41 / djb
Gross BTU per cu ft @ std cond, wet	4.58	BTU/cu ft		GPA 2261	09/25/20 13:41 / djb

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-007A; MPE-86
Location:
Lab ID: G20090332-007

Report Date: 09/27/20
Collection Date: 09/16/20 10:17
Date Received: 09/18/20
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
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NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	20.527	Mol %		GPA 2261	09/25/20 13:55 / djb
Nitrogen	78.221	Mol %		GPA 2261	09/25/20 13:55 / djb
Carbon Monoxide	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
Carbon Dioxide	1.216	Mol %		GPA 2261	09/25/20 13:55 / djb
Hydrogen Sulfide	0.034	Mol %		GPA 2261	09/25/20 13:55 / djb
Methane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
Propane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
Isopentane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	09/25/20 13:55 / djb
Hexanes plus	0.002	Mol %		GPA 2261	09/25/20 13:55 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM Hexanes plus	0.0010	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM Pentanes plus	0.0010	gal/MCF		GPA 2261	09/25/20 13:55 / djb
GPM Total	0.0010	gal/MCF		GPA 2261	09/25/20 13:55 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730	psia		GPA 2261	09/25/20 13:55 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/25/20 13:55 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/25/20 13:55 / djb
Molecular Weight	29.03	unitless		GPA 2261	09/25/20 13:55 / djb
Pseudo-critical Pressure, psia	550	psia		GPA 2261	09/25/20 13:55 / djb
Pseudo-critical Temperature, deg R	242	deg R		GPA 2261	09/25/20 13:55 / djb
Specific Gravity (air=1.000)	1.005	unitless		GPA 2261	09/25/20 13:55 / djb
Gross BTU per cu ft @ std cond, dry	0.30	BTU/cu ft		GPA 2261	09/25/20 13:55 / djb
Gross BTU per cu ft @ std cond, wet	0.30	BTU/cu ft		GPA 2261	09/25/20 13:55 / djb

Report RL - Analyte Reporting Limit

MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit

ND - Not detected at the Reporting Limit (RL)



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LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental
Project: Not Indicated
Client Sample ID: 2009991-008A; MPE-83
Location:
Lab ID: G20090332-008

Report Date: 09/27/20
Collection Date: 09/16/20 10:25
Date Received: 09/18/20
Sampled By: Not Provided

Analyses	Result	Units	Qualifier	Method	Analysis Date / By
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NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT

Oxygen	22.116	Mol %		GPA 2261	09/25/20 14:26 / djb
Nitrogen	77.752	Mol %		GPA 2261	09/25/20 14:26 / djb
Carbon Monoxide	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Carbon Dioxide	0.057	Mol %		GPA 2261	09/25/20 14:26 / djb
Hydrogen Sulfide	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Methane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Ethane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Propane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Isobutane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
n-Butane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Isopentane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
n-Pentane	< 0.001	Mol %		GPA 2261	09/25/20 14:26 / djb
Hexanes plus	0.075	Mol %		GPA 2261	09/25/20 14:26 / djb

GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS

GPM Ethane	< 0.0003	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM Propane	< 0.0003	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM Isobutane	< 0.0003	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM n-Butane	< 0.0003	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM Isopentane	< 0.0004	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM n-Pentane	< 0.0004	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM Hexanes plus	0.0330	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM Pentanes plus	0.0330	gal/MCF		GPA 2261	09/25/20 14:26 / djb
GPM Total	0.0330	gal/MCF		GPA 2261	09/25/20 14:26 / djb

CALCULATED PROPERTIES

Calculation Pressure Base	14.730	psia		GPA 2261	09/25/20 14:26 / djb
Calculation Temperature Base	60	°F		GPA 2261	09/25/20 14:26 / djb
Compressibility Factor, Z	1.0000	unitless		GPA 2261	09/25/20 14:26 / djb
Molecular Weight	28.95	unitless		GPA 2261	09/25/20 14:26 / djb
Pseudo-critical Pressure, psia	547	psia		GPA 2261	09/25/20 14:26 / djb
Pseudo-critical Temperature, deg R	240	deg R		GPA 2261	09/25/20 14:26 / djb
Specific Gravity (air=1.000)	1.003	unitless		GPA 2261	09/25/20 14:26 / djb
Gross BTU per cu ft @ std cond, dry	3.85	BTU/cu ft		GPA 2261	09/25/20 14:26 / djb
Gross BTU per cu ft @ std cond, wet	3.78	BTU/cu ft		GPA 2261	09/25/20 14:26 / djb

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental

Work Order: G20090332

Report Date: 09/27/20

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261							Analytical Run: R260169		
Lab ID: ICV-2009240816 Initial Calibration Verification Standard							09/24/20 08:17		
Oxygen	0.377	Mol %	0.001	94	75	110			
Nitrogen	5.004	Mol %	0.001	100	90	110			
Carbon Dioxide	4.912	Mol %	0.001	99	90	110			
Hydrogen Sulfide	0.133	Mol %	0.001	134	100	136			
Methane	73.305	Mol %	0.001	100	90	110			
Ethane	5.007	Mol %	0.001	101	90	110			
Propane	5.012	Mol %	0.001	100	90	110			
Isobutane	1.988	Mol %	0.001	99	90	110			
n-Butane	1.971	Mol %	0.001	98	90	110			
Isopentane	0.986	Mol %	0.001	99	90	110			
n-Pentane	0.996	Mol %	0.001	100	90	110			
Hexanes plus	0.309	Mol %	0.001	102	90	110			
Lab ID: CCV-2009240824 Continuing Calibration Verification Standard							09/24/20 08:25		
Oxygen	0.595	Mol %	0.001	99	90	110			
Nitrogen	1.266	Mol %	0.001	90	85	110			
Carbon Dioxide	0.955	Mol %	0.001	96	90	110			
Hydrogen Sulfide	0.027	Mol %	0.001	108	70	130			
Methane	93.587	Mol %	0.001	100	90	110			
Ethane	1.014	Mol %	0.001	101	90	110			
Propane	1.012	Mol %	0.001	101	90	110			
Isobutane	0.495	Mol %	0.001	99	90	110			
n-Butane	0.495	Mol %	0.001	99	90	110			
Isopentane	0.199	Mol %	0.001	100	90	110			
n-Pentane	0.200	Mol %	0.001	100	90	110			
Hexanes plus	0.155	Mol %	0.001	103	90	110			
Lab ID: ICV1-2009240843 Initial Calibration Verification Standard							09/24/20 08:43		
Nitrogen	98.932	Mol %	0.001	100	90	110			
Carbon Monoxide	1.068	Mol %	0.001	105	90	110			
Lab ID: CCV1-2009240858 Continuing Calibration Verification Standard							09/24/20 08:59		
Nitrogen	99.899	Mol %	0.001	100	85	110			
Carbon Monoxide	0.101	Mol %	0.001	100	90	110			
Lab ID: CCV-2009251606 Continuing Calibration Verification Standard							09/25/20 16:07		
Oxygen	0.617	Mol %	0.001	103	90	110			
Nitrogen	1.312	Mol %	0.001	94	85	110			
Carbon Dioxide	0.957	Mol %	0.001	96	90	110			
Hydrogen Sulfide	0.029	Mol %	0.001	116	70	130			
Methane	93.535	Mol %	0.001	100	90	110			
Ethane	1.010	Mol %	0.001	101	90	110			
Propane	1.010	Mol %	0.001	101	90	110			
Isobutane	0.490	Mol %	0.001	98	90	110			
n-Butane	0.490	Mol %	0.001	98	90	110			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental

Work Order: G20090332

Report Date: 09/27/20

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261							Analytical Run: R260169		
Lab ID: CCV-2009251606	Continuing Calibration Verification Standard							09/25/20 16:07	
Isopentane	0.197	Mol %	0.001	99	90	110			
n-Pentane	0.198	Mol %	0.001	99	90	110			
Hexanes plus	0.155	Mol %	0.001	103	90	110			
Method: GPA 2261							Batch: R260169		
Lab ID: G20090332-001ADUP	Sample Duplicate		Run: Varian GC_200925A				09/24/20 15:54		
Oxygen	16.897	Mol %	0.001				0.0	20	
Nitrogen	80.160	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	2.943	Mol %	0.001				0.0	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	< 0.001	Mol %	0.001					10	
Lab ID: G20090332-002ADUP	Sample Duplicate		Run: Varian GC_200925A				09/24/20 16:04		
Oxygen	18.939	Mol %	0.001				0.0	20	
Nitrogen	79.145	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	1.916	Mol %	0.001				0.1	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	< 0.001	Mol %	0.001					10	
Lab ID: G20090332-003ADUP	Sample Duplicate		Run: Varian GC_200925A				09/24/20 16:17		
Oxygen	20.630	Mol %	0.001				0.0	20	
Nitrogen	77.970	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	1.336	Mol %	0.001				0.3	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental

Work Order: G20090332

Report Date: 09/27/20

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261							Batch: R260169		
Lab ID: G20090332-003ADUP	Sample Duplicate				Run: Varian GC_200925A		09/24/20 16:17		
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	0.064	Mol %	0.001				4.6	10	
Lab ID: G20090332-004ADUP	Sample Duplicate				Run: Varian GC_200925A		09/24/20 16:32		
Oxygen	17.314	Mol %	0.001				0.0	20	
Nitrogen	79.789	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	2.847	Mol %	0.001				0.1	10	
Hydrogen Sulfide	0.014	Mol %	0.001				7.4	10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	0.002	Mol %	0.001				0.0	10	
n-Pentane	0.001	Mol %	0.001				0.0	10	
Hexanes plus	0.033	Mol %	0.001				3.1	10	
Lab ID: G20090332-005ADUP	Sample Duplicate				Run: Varian GC_200925A		09/25/20 13:30		
Oxygen	21.061	Mol %	0.001				0.0	20	
Nitrogen	77.857	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	0.644	Mol %	0.001				0.3	10	
Hydrogen Sulfide	0.016	Mol %	0.001				0.0	10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	0.001	Mol %	0.001				0.0	10	
Isopentane	0.028	Mol %	0.001				0.0	10	
n-Pentane	0.028	Mol %	0.001				0.0	10	
Hexanes plus	0.365	Mol %	0.001				8.3	10	
Lab ID: G20090332-006ADUP	Sample Duplicate				Run: Varian GC_200925A		09/25/20 13:47		
Oxygen	21.695	Mol %	0.001				0.0	20	
Nitrogen	77.836	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	0.380	Mol %	0.001				0.3	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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QA/QC Summary Report

Prepared by Gillette, WY Branch

Client: Hall Environmental

Work Order: G20090332

Report Date: 09/27/20

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261							Batch: R260169		
Lab ID: G20090332-006ADUP	Sample Duplicate				Run: Varian GC_200925A		09/25/20 13:47		
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	0.004	Mol %	0.001				0.0	10	
n-Pentane	0.003	Mol %	0.001				29	10	R
Hexanes plus	0.082	Mol %	0.001				3.6	10	
Lab ID: G20090332-007ADUP	Sample Duplicate				Run: Varian GC_200925A		09/25/20 14:05		
Oxygen	20.527	Mol %	0.001				0.0	20	
Nitrogen	78.223	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	1.215	Mol %	0.001				0.1	10	
Hydrogen Sulfide	0.034	Mol %	0.001				0.0	10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	0.001	Mol %	0.001				67	10	R
Lab ID: G20090332-008ADUP	Sample Duplicate				Run: Varian GC_200925A		09/25/20 14:31		
Oxygen	22.116	Mol %	0.001				0.0	20	
Nitrogen	77.752	Mol %	0.001				0.0	10	
Carbon Monoxide	< 0.001	Mol %	0.001					10	
Carbon Dioxide	0.057	Mol %	0.001				0.0	10	
Hydrogen Sulfide	< 0.001	Mol %	0.001					10	
Methane	< 0.001	Mol %	0.001					10	
Ethane	< 0.001	Mol %	0.001					10	
Propane	< 0.001	Mol %	0.001					10	
Isobutane	< 0.001	Mol %	0.001					10	
n-Butane	< 0.001	Mol %	0.001					10	
Isopentane	< 0.001	Mol %	0.001					10	
n-Pentane	< 0.001	Mol %	0.001					10	
Hexanes plus	0.075	Mol %	0.001				0.0	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

R - Relative Percent Difference (RPD) exceeds advisory limit



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Work Order Receipt Checklist

Hall Environmental

G20090332

Login completed by: Chantel S. Johnson

Date Received: 9/18/2020

Reviewed by: Misty Stephens

Received by: csj

Reviewed Date: 9/21/2020

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☒	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☐	Not Applicable ☒
Container/Temp Blank temperature:	°C		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None



CHAIN OF CUSTODY RECORD

1 1

Hall Environmental Analysis Laboratory

4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975

FAX: 505-345-4107

Website: clients.hallenvironmental.com

SUB CONTRACTOR	Energy Labs-Gillette	COMPANY	Energy Laboratories	PHONE	(866) 686-7175	FAX
ADDRESS	400 W Boxelder Rd			ACCOUNT #		EMAIL
CITY, STATE, ZIP	Gillette, WY 82718					

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	ANALYTICAL COMMENTS
1	2009991-001A	MPE-1	TEDLAR	Air	9/16/2020 9:26:00 AM	2 Fixed Gases + H2S & CO
2	2009991-002A	MPE-3	TEDLAR	Air	9/16/2020 9:34:00 AM	2 Fixed Gases + H2S & CO
3	2009991-003A	MPE-26	TEDLAR	Air	9/16/2020 9:47:00 AM	2 Fixed Gases + H2S & CO
4	2009991-004A	MPE-90	TEDLAR	Air	9/16/2020 9:55:00 AM	2 Fixed Gases + H2S & CO
5	2009991-005A	MPE-89	TEDLAR	Air	9/16/2020 10:02:00 AM	2 Fixed Gases + H2S & CO
6	2009991-006A	MPE-88	TEDLAR	Air	9/16/2020 10:09:00 AM	2 Fixed Gases + H2S & CO
7	2009991-007A	MPE-86	TEDLAR	Air	9/16/2020 10:17:00 AM	2 Fixed Gases + H2S & CO
8	2009991-008A	MPE-83	TEDLAR	Air	9/16/2020 10:25:00 AM	2 Fixed Gases + H2S & CO

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 9/17/2020	Time: 11:47 AM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
TAT: Standard			RUSH	Next BD	2nd BD
			3rd BD		
			Comments		
			Temp of samples		
			Attempt to Cool?		
			FOR LAB USE ONLY		
			HARDCOPY (extra cost)		
			FAX		
			EMAIL		
			ONLINE		
			REPORT TRANSMITTAL DESIRED:		



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Biotech Remediation, Inc.

Work Order Number: 2009991

RcptNo: 1

Received By: Cheyenne Cason

9/17/2020 8:00:00 AM

Completed By: Juan Rojas

9/17/2020 10:09:44 AM

Reviewed By: *CNC*

9/17/20

[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☒
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☐ NA ☒
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)

Adjusted? _____

Checked by: *JR 9/17/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	N/A	Good				

Chain-of-Custody Record

Client: BioTech Remediation, Inc.
501 Airport Drive, Suite 100
 Mailing Address: Farmington, NM
87401
 Phone #: (505) 215-5984

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Thriftway #810

Project #:

Project Manager:

Ross Kenemer

Sampler:

 On Ice: ☐ Yes ☒ No
of Coolers: 1Cooler Temp (including CF): N/A (°C)
 Container Type and #
2 Tedlar

Preservative Type

HEAL No.
7009991

(°C)

-001
-002
-003
-004
-005
-006
-007
-008
Fixed gases + H₂S & CO

Analysis Request

BTX / MTBE / TMB's (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Fixed gases + H₂S & CO

Remarks:

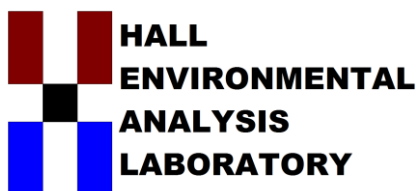
Include H₂S & CO
Received by: Sam Godes Date: 9/16/00 Time: 0800Received by: Sam Godes Date: 9/16/00 Time: 0800

Relinquished by:

Ross Kenemer
Date: 9-16-20 Time: 1200

Relinquished by:

Ross Kenemer



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 15, 2022

Ross Kennemer
Biotech Remediation, Inc.
501 Airport Dr
Farmington, NM 87401
TEL:
FAX

RE: Thriftway 810

OrderNo.: 2208372

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 10 sample(s) on 8/5/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-48

Project: Thriftway 810

Collection Date: 8/4/2022 8:39:00 AM

Lab ID: 2208372-001

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	2.0	D	µg/L	2	8/9/2022 6:53:00 PM	SL90111
Toluene	ND	2.0	D	µg/L	2	8/9/2022 6:53:00 PM	SL90111
Ethylbenzene	ND	2.0	D	µg/L	2	8/9/2022 6:53:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	4.0	2.0	D	µg/L	2	8/9/2022 6:53:00 PM	SL90111
Xylenes, Total	ND	3.0	D	µg/L	2	8/9/2022 6:53:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	117	70-130	D	%Rec	2	8/9/2022 6:53:00 PM	SL90111
Surr: 4-Bromofluorobenzene	96.2	70-130	D	%Rec	2	8/9/2022 6:53:00 PM	SL90111
Surr: Dibromofluoromethane	112	70-130	D	%Rec	2	8/9/2022 6:53:00 PM	SL90111
Surr: Toluene-d8	91.4	70-130	D	%Rec	2	8/9/2022 6:53:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 13

Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-30

Project: Thriftway 810

Collection Date: 8/4/2022 8:57:00 AM

Lab ID: 2208372-002

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	2.0	D	µg/L	2	8/9/2022 8:02:00 PM	SL90111
Toluene	ND	2.0	D	µg/L	2	8/9/2022 8:02:00 PM	SL90111
Ethylbenzene	ND	2.0	D	µg/L	2	8/9/2022 8:02:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	10	2.0	D	µg/L	2	8/9/2022 8:02:00 PM	SL90111
Xylenes, Total	ND	3.0	D	µg/L	2	8/9/2022 8:02:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	117	70-130	D	%Rec	2	8/9/2022 8:02:00 PM	SL90111
Surr: 4-Bromofluorobenzene	95.1	70-130	D	%Rec	2	8/9/2022 8:02:00 PM	SL90111
Surr: Dibromofluoromethane	114	70-130	D	%Rec	2	8/9/2022 8:02:00 PM	SL90111
Surr: Toluene-d8	92.1	70-130	D	%Rec	2	8/9/2022 8:02:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-45

Project: Thriftway 810

Collection Date: 8/4/2022 9:21:00 AM

Lab ID: 2208372-003

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: CCM	
Benzene	ND	1.0		µg/L	1	8/9/2022 8:25:00 PM	SL90111
Toluene	ND	1.0		µg/L	1	8/9/2022 8:25:00 PM	SL90111
Ethylbenzene	ND	1.0		µg/L	1	8/9/2022 8:25:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	64	1.0		µg/L	1	8/9/2022 8:25:00 PM	SL90111
Xylenes, Total	ND	1.5		µg/L	1	8/9/2022 8:25:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	8/9/2022 8:25:00 PM	SL90111
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	8/9/2022 8:25:00 PM	SL90111
Surr: Dibromofluoromethane	110	70-130		%Rec	1	8/9/2022 8:25:00 PM	SL90111
Surr: Toluene-d8	91.7	70-130		%Rec	1	8/9/2022 8:25:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-20

Project: Thriftway 810

Collection Date: 8/4/2022 9:35:00 AM

Lab ID: 2208372-004

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/9/2022 8:48:00 PM	SL90111
Toluene	ND	1.0		µg/L	1	8/9/2022 8:48:00 PM	SL90111
Ethylbenzene	ND	1.0		µg/L	1	8/9/2022 8:48:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	120	1.0		µg/L	1	8/9/2022 8:48:00 PM	SL90111
Xylenes, Total	ND	1.5		µg/L	1	8/9/2022 8:48:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	8/9/2022 8:48:00 PM	SL90111
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	8/9/2022 8:48:00 PM	SL90111
Surr: Dibromofluoromethane	105	70-130		%Rec	1	8/9/2022 8:48:00 PM	SL90111
Surr: Toluene-d8	94.8	70-130		%Rec	1	8/9/2022 8:48:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-46

Project: Thriftway 810

Collection Date: 8/4/2022 9:47:00 AM

Lab ID: 2208372-005

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/9/2022 9:11:00 PM	SL90111
Toluene	ND	1.0		µg/L	1	8/9/2022 9:11:00 PM	SL90111
Ethylbenzene	ND	1.0		µg/L	1	8/9/2022 9:11:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	38	1.0		µg/L	1	8/9/2022 9:11:00 PM	SL90111
Xylenes, Total	ND	1.5		µg/L	1	8/9/2022 9:11:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	120	70-130		%Rec	1	8/9/2022 9:11:00 PM	SL90111
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	8/9/2022 9:11:00 PM	SL90111
Surr: Dibromofluoromethane	113	70-130		%Rec	1	8/9/2022 9:11:00 PM	SL90111
Surr: Toluene-d8	91.9	70-130		%Rec	1	8/9/2022 9:11:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-51

Project: Thriftway 810

Collection Date: 8/4/2022 10:01:00 AM

Lab ID: 2208372-006

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: CCM	
Benzene	ND	1.0		µg/L	1	8/9/2022 9:34:00 PM	SL90111
Toluene	ND	1.0		µg/L	1	8/9/2022 9:34:00 PM	SL90111
Ethylbenzene	ND	1.0		µg/L	1	8/9/2022 9:34:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	140	1.0		µg/L	1	8/9/2022 9:34:00 PM	SL90111
Xylenes, Total	ND	1.5		µg/L	1	8/9/2022 9:34:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	8/9/2022 9:34:00 PM	SL90111
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	8/9/2022 9:34:00 PM	SL90111
Surr: Dibromofluoromethane	110	70-130		%Rec	1	8/9/2022 9:34:00 PM	SL90111
Surr: Toluene-d8	93.6	70-130		%Rec	1	8/9/2022 9:34:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-52

Project: Thriftway 810

Collection Date: 8/4/2022 10:18:00 AM

Lab ID: 2208372-007

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/9/2022 9:57:00 PM	SL90111
Toluene	ND	1.0		µg/L	1	8/9/2022 9:57:00 PM	SL90111
Ethylbenzene	ND	1.0		µg/L	1	8/9/2022 9:57:00 PM	SL90111
Methyl tert-butyl ether (MTBE)	38	1.0		µg/L	1	8/9/2022 9:57:00 PM	SL90111
Xylenes, Total	ND	1.5		µg/L	1	8/9/2022 9:57:00 PM	SL90111
Surr: 1,2-Dichloroethane-d4	121	70-130		%Rec	1	8/9/2022 9:57:00 PM	SL90111
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	8/9/2022 9:57:00 PM	SL90111
Surr: Dibromofluoromethane	115	70-130		%Rec	1	8/9/2022 9:57:00 PM	SL90111
Surr: Toluene-d8	91.6	70-130		%Rec	1	8/9/2022 9:57:00 PM	SL90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-54

Project: Thriftway 810

Collection Date: 8/4/2022 10:29:00 AM

Lab ID: 2208372-008

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 12:15:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 12:15:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 12:15:00 AM	R90111
Methyl tert-butyl ether (MTBE)	19	1.0		µg/L	1	8/10/2022 12:15:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 12:15:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	8/10/2022 12:15:00 AM	R90111
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	8/10/2022 12:15:00 AM	R90111
Surr: Dibromofluoromethane	112	70-130		%Rec	1	8/10/2022 12:15:00 AM	R90111
Surr: Toluene-d8	92.8	70-130		%Rec	1	8/10/2022 12:15:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208372

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-53

Project: Thriftway 810

Collection Date: 8/4/2022 10:48:00 AM

Lab ID: 2208372-009

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 1:24:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 1:24:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 1:24:00 AM	R90111
Methyl tert-butyl ether (MTBE)	5.8	1.0		µg/L	1	8/10/2022 1:24:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 1:24:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	8/10/2022 1:24:00 AM	R90111
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	8/10/2022 1:24:00 AM	R90111
Surr: Dibromofluoromethane	112	70-130		%Rec	1	8/10/2022 1:24:00 AM	R90111
Surr: Toluene-d8	91.6	70-130		%Rec	1	8/10/2022 1:24:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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CLIENT: Biotech Remediation, Inc.

Client Sample ID: Trip Blank

Project: Thriftway 810

Collection Date:

Lab ID: 2208372-010

Matrix: TRIP BLANK

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: CCM	
Benzene	ND	1.0		µg/L	1	8/10/2022 1:47:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 1:47:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 1:47:00 AM	R90111
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/10/2022 1:47:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 1:47:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	8/10/2022 1:47:00 AM	R90111
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	8/10/2022 1:47:00 AM	R90111
Surr: Dibromofluoromethane	111	70-130		%Rec	1	8/10/2022 1:47:00 AM	R90111
Surr: Toluene-d8	91.4	70-130		%Rec	1	8/10/2022 1:47:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208372

15-Aug-22

Client: Biotech Remediation, Inc.**Project:** Thriftway 810

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: SL90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3213630 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		116	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.1	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.3		10.00		93.0	70	130			

Sample ID: 100ng lcs 2	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: LCSW	Batch ID: SL90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3213631 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	19	1.0	20.00	0	97.4	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		110	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.8	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.3		10.00		92.6	70	130			

Sample ID: 2208372-001ams	SampType: MS	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: TW-48	Batch ID: SL90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3213633 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	46	2.0	40.00	0	115	70	130			D
Toluene	39	2.0	40.00	0	97.2	70	130			D
Surr: 1,2-Dichloroethane-d4	24		20.00		118	70	130			D
Surr: 4-Bromofluorobenzene	20		20.00		98.2	70	130			D
Surr: Dibromofluoromethane	23		20.00		114	70	130			D
Surr: Toluene-d8	18		20.00		90.7	70	130			D

Sample ID: 2208372-001amsd	SampType: MSD	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: TW-48	Batch ID: SL90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3213634 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	44	2.0	40.00	0	109	70	130	4.88	20	D

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208372

15-Aug-22

Client: Biotech Remediation, Inc.**Project:** Thriftway 810

Sample ID: 2208372-001amsd	SampType: MSD	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: TW-48	Batch ID: SL90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3213634 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	38	2.0	40.00	0	94.2	70	130	3.08	20	D
Surr: 1,2-Dichloroethane-d4	24		20.00		119	70	130	0	0	D
Surr: 4-Bromofluorobenzene	20		20.00		97.7	70	130	0	0	D
Surr: Dibromofluoromethane	23		20.00		114	70	130	0	0	D
Surr: Toluene-d8	18		20.00		92.0	70	130	0	0	D

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: R90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3214115 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		117	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.2	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.2		10.00		92.2	70	130			

Sample ID: 100NG LCS	SampType: LCS4	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: BatchQC	Batch ID: R90111	RunNo: 90188								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3216071 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	80	120			
Toluene	19	1.0	20.00	0	96.8	80	120			
Ethylbenzene	19	1.0	20.00	0	94.1	80	120			
Methyl tert-butyl ether (MTBE)	19	1.0	20.00	0	92.8	80	120			
Xylenes, Total	61	1.5	60.00	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.3	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.2		10.00		92.4	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208372

15-Aug-22

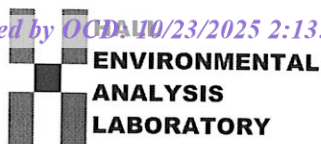
Client: Biotech Remediation, Inc.**Project:** Thriftway 810

Sample ID: 2208372-008ams	SampType: MS4	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: TW-54	Batch ID: R90111	RunNo: 90188								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3216176 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	80	120			
Toluene	20	1.0	20.00	0	101	80	120			
Ethylbenzene	19	1.0	20.00	0	97.0	80	120			
Methyl tert-butyl ether (MTBE)	39	1.0	20.00	18.52	103	80	120			
Xylenes, Total	64	1.5	60.00	0	106	80	120			
Surr: 1,2-Dichloroethane-d4	11		10.00		113	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.4	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.1		10.00		90.9	70	130			

Sample ID: 2208372-008amsd	SampType: MSD4	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: TW-54	Batch ID: R90111	RunNo: 90188								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3216177 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	80	120	6.14	20	
Toluene	19	1.0	20.00	0	97.1	80	120	3.57	20	
Ethylbenzene	19	1.0	20.00	0	93.8	80	120	3.36	20	
Methyl tert-butyl ether (MTBE)	38	1.0	20.00	18.52	96.3	80	120	3.41	20	
Xylenes, Total	61	1.5	60.00	0	102	80	120	3.88	20	
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.8		10.00		98.2	70	130	0	0	
Surr: Dibromofluoromethane	11		10.00		107	70	130	0	0	
Surr: Toluene-d8	9.4		10.00		93.7	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Biotech Remediation, Inc.

Work Order Number: 2208372

RcptNo: 1

Received By: Juan Rojas 8/5/2022 6:20:00 AM

Completed By: Sean Livingston 8/5/2022 9:59:31 AM

Reviewed By: KPa 8.05.20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)

Adjusted? _____

Checked by: CMC 8/5/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				
2	2.3	Good				

Chain-of-Custody Record

Client: BioTech Remediation, Inc.
801 Airport Drive, Suite 104
Farmington, NM 87401

Mailing Address: 801 Airport Drive, Suite 104
Farmington, NM 87401

Phone #: (505) 215-5984

email or Fax#:

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Ther. Fab # 800

Project #:

Project Manager:

Ross Keenemer

Sampler: Ross Keenemer

On Ice: ☒ Yes ☐ No

of Coolers: 12

Cooler Temp (including CR): 0.3-0.3 (°C)

Container Type and #

Preservative Type

HEAL No. 2208372

001

002

003

004

005

006

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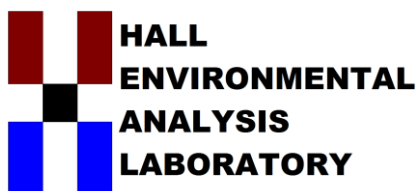
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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 15, 2022

Ross Kennemer
Biotech Remediation, Inc.
501 Airport Dr
Farmington, NM 87401
TEL: (505) 215-5984
FAX

RE: Thriftway 830

OrderNo.: 2208374

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 12 sample(s) on 8/5/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-43

Project: Thriftway 830

Collection Date: 8/2/2022 9:43:00 AM

Lab ID: 2208374-001

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	2.0	D	µg/L	2	8/10/2022 2:10:00 AM	R90111
Toluene	ND	2.0	D	µg/L	2	8/10/2022 2:10:00 AM	R90111
Ethylbenzene	ND	2.0	D	µg/L	2	8/10/2022 2:10:00 AM	R90111
Methyl tert-butyl ether (MTBE)	75	2.0	D	µg/L	2	8/10/2022 2:10:00 AM	R90111
Xylenes, Total	ND	3.0	D	µg/L	2	8/10/2022 2:10:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	114	70-130	D	%Rec	2	8/10/2022 2:10:00 AM	R90111
Surr: 4-Bromofluorobenzene	98.0	70-130	D	%Rec	2	8/10/2022 2:10:00 AM	R90111
Surr: Dibromofluoromethane	109	70-130	D	%Rec	2	8/10/2022 2:10:00 AM	R90111
Surr: Toluene-d8	92.7	70-130	D	%Rec	2	8/10/2022 2:10:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2208374
Date Reported: 8/15/2022

CLIENT: Biotech Remediation, Inc.
Project: Thriftway 830
Lab ID: 2208374-002

Client Sample ID: TW-37
Collection Date: 8/2/2022 10:02:00 AM
Received Date: 8/5/2022 6:20:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	41	2.0	D	µg/L	2	8/10/2022 2:33:00 AM	R90111
Toluene	ND	2.0	D	µg/L	2	8/10/2022 2:33:00 AM	R90111
Ethylbenzene	12	2.0	D	µg/L	2	8/10/2022 2:33:00 AM	R90111
Methyl tert-butyl ether (MTBE)	84	2.0	D	µg/L	2	8/10/2022 2:33:00 AM	R90111
Xylenes, Total	ND	3.0	D	µg/L	2	8/10/2022 2:33:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	105	70-130	D	%Rec	2	8/10/2022 2:33:00 AM	R90111
Surr: 4-Bromofluorobenzene	98.8	70-130	D	%Rec	2	8/10/2022 2:33:00 AM	R90111
Surr: Dibromofluoromethane	102	70-130	D	%Rec	2	8/10/2022 2:33:00 AM	R90111
Surr: Toluene-d8	94.7	70-130	D	%Rec	2	8/10/2022 2:33:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-19

Project: Thriftway 830

Collection Date: 8/2/2022 10:22:00 AM

Lab ID: 2208374-003

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	5.0	D	µg/L	5	8/10/2022 2:56:00 AM	R90111
Toluene	ND	5.0	D	µg/L	5	8/10/2022 2:56:00 AM	R90111
Ethylbenzene	ND	5.0	D	µg/L	5	8/10/2022 2:56:00 AM	R90111
Methyl tert-butyl ether (MTBE)	ND	5.0	D	µg/L	5	8/10/2022 2:56:00 AM	R90111
Xylenes, Total	ND	7.5	D	µg/L	5	8/10/2022 2:56:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	107	70-130	D	%Rec	5	8/10/2022 2:56:00 AM	R90111
Surr: 4-Bromofluorobenzene	95.6	70-130	D	%Rec	5	8/10/2022 2:56:00 AM	R90111
Surr: Dibromofluoromethane	103	70-130	D	%Rec	5	8/10/2022 2:56:00 AM	R90111
Surr: Toluene-d8	94.2	70-130	D	%Rec	5	8/10/2022 2:56:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-42

Project: Thriftway 830

Collection Date: 8/2/2022 10:40:00 AM

Lab ID: 2208374-004

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 3:20:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 3:20:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 3:20:00 AM	R90111
Methyl tert-butyl ether (MTBE)	12	1.0		µg/L	1	8/10/2022 3:20:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 3:20:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	1	8/10/2022 3:20:00 AM	R90111
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	8/10/2022 3:20:00 AM	R90111
Surr: Dibromofluoromethane	108	70-130		%Rec	1	8/10/2022 3:20:00 AM	R90111
Surr: Toluene-d8	92.7	70-130		%Rec	1	8/10/2022 3:20:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-18

Project: Thriftway 830

Collection Date: 8/2/2022 10:53:00 AM

Lab ID: 2208374-005

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 3:43:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 3:43:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 3:43:00 AM	R90111
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/10/2022 3:43:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 3:43:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	8/10/2022 3:43:00 AM	R90111
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	8/10/2022 3:43:00 AM	R90111
Surr: Dibromofluoromethane	111	70-130		%Rec	1	8/10/2022 3:43:00 AM	R90111
Surr: Toluene-d8	91.9	70-130		%Rec	1	8/10/2022 3:43:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-5

Project: Thriftway 830

Collection Date: 8/2/2022 11:17:00 AM

Lab ID: 2208374-006

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 4:06:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 4:06:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 4:06:00 AM	R90111
Methyl tert-butyl ether (MTBE)	14	1.0		µg/L	1	8/10/2022 4:06:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 4:06:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	8/10/2022 4:06:00 AM	R90111
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	8/10/2022 4:06:00 AM	R90111
Surr: Dibromofluoromethane	110	70-130		%Rec	1	8/10/2022 4:06:00 AM	R90111
Surr: Toluene-d8	91.2	70-130		%Rec	1	8/10/2022 4:06:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-41

Project: Thriftway 830

Collection Date: 8/2/2022 11:32:00 AM

Lab ID: 2208374-007

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	7.1	1.0		µg/L	1	8/10/2022 4:29:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 4:29:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 4:29:00 AM	R90111
Methyl tert-butyl ether (MTBE)	4.5	1.0		µg/L	1	8/10/2022 4:29:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 4:29:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	8/10/2022 4:29:00 AM	R90111
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 4:29:00 AM	R90111
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	8/10/2022 4:29:00 AM	R90111
Surr: Toluene-d8	101	70-130		%Rec	1	8/10/2022 4:29:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-4

Project: Thriftway 830

Collection Date: 8/2/2022 11:50:00 AM

Lab ID: 2208374-008

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: CCM	
Benzene	ND	1.0		µg/L	1	8/10/2022 4:52:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 4:52:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 4:52:00 AM	R90111
Methyl tert-butyl ether (MTBE)	3.2	1.0		µg/L	1	8/10/2022 4:52:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 4:52:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	8/10/2022 4:52:00 AM	R90111
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	8/10/2022 4:52:00 AM	R90111
Surr: Dibromofluoromethane	110	70-130		%Rec	1	8/10/2022 4:52:00 AM	R90111
Surr: Toluene-d8	91.5	70-130		%Rec	1	8/10/2022 4:52:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-6

Project: Thriftway 830

Collection Date: 8/2/2022 12:04:00 PM

Lab ID: 2208374-009

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 5:15:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 5:15:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 5:15:00 AM	R90111
Methyl tert-butyl ether (MTBE)	8.7	1.0		µg/L	1	8/10/2022 5:15:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 5:15:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	8/10/2022 5:15:00 AM	R90111
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	8/10/2022 5:15:00 AM	R90111
Surr: Dibromofluoromethane	109	70-130		%Rec	1	8/10/2022 5:15:00 AM	R90111
Surr: Toluene-d8	89.5	70-130		%Rec	1	8/10/2022 5:15:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: MW-7

Project: Thriftway 830

Collection Date: 8/2/2022 12:20:00 PM

Lab ID: 2208374-010

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	1.0		µg/L	1	8/10/2022 5:38:00 AM	R90111
Toluene	ND	1.0		µg/L	1	8/10/2022 5:38:00 AM	R90111
Ethylbenzene	ND	1.0		µg/L	1	8/10/2022 5:38:00 AM	R90111
Methyl tert-butyl ether (MTBE)	1.6	1.0		µg/L	1	8/10/2022 5:38:00 AM	R90111
Xylenes, Total	ND	1.5		µg/L	1	8/10/2022 5:38:00 AM	R90111
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	8/10/2022 5:38:00 AM	R90111
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	8/10/2022 5:38:00 AM	R90111
Surr: Dibromofluoromethane	110	70-130		%Rec	1	8/10/2022 5:38:00 AM	R90111
Surr: Toluene-d8	90.4	70-130		%Rec	1	8/10/2022 5:38:00 AM	R90111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2208374
Date Reported: 8/15/2022

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-39

Project: Thriftway 830

Collection Date: 8/2/2022 12:37:00 PM

Lab ID: 2208374-011

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: CCM	
Benzene	ND	2.0		µg/L	2	8/10/2022 1:31:00 PM	R90188
Toluene	ND	2.0		µg/L	2	8/10/2022 1:31:00 PM	R90188
Ethylbenzene	ND	2.0		µg/L	2	8/10/2022 1:31:00 PM	R90188
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	8/10/2022 1:31:00 PM	R90188
Xylenes, Total	ND	3.0		µg/L	2	8/10/2022 1:31:00 PM	R90188
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	2	8/10/2022 1:31:00 PM	R90188
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	2	8/10/2022 1:31:00 PM	R90188
Surr: Dibromofluoromethane	104	70-130		%Rec	2	8/10/2022 1:31:00 PM	R90188
Surr: Toluene-d8	93.6	70-130		%Rec	2	8/10/2022 1:31:00 PM	R90188

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2208374

Date Reported: 8/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Biotech Remediation, Inc.

Client Sample ID: TW-31

Project: Thriftway 830

Collection Date: 8/2/2022 1:00:00 PM

Lab ID: 2208374-012

Matrix: AQUEOUS

Received Date: 8/5/2022 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST							Analyst: CCM
Benzene	ND	2.0		µg/L	2	8/10/2022 2:40:00 PM	R90188
Toluene	ND	2.0		µg/L	2	8/10/2022 2:40:00 PM	R90188
Ethylbenzene	ND	2.0		µg/L	2	8/10/2022 2:40:00 PM	R90188
Methyl tert-butyl ether (MTBE)	2.7	2.0		µg/L	2	8/10/2022 2:40:00 PM	R90188
Xylenes, Total	ND	3.0		µg/L	2	8/10/2022 2:40:00 PM	R90188
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	2	8/10/2022 2:40:00 PM	R90188
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	2	8/10/2022 2:40:00 PM	R90188
Surr: Dibromofluoromethane	105	70-130		%Rec	2	8/10/2022 2:40:00 PM	R90188
Surr: Toluene-d8	90.5	70-130		%Rec	2	8/10/2022 2:40:00 PM	R90188

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208374

15-Aug-22

Client: Biotech Remediation, Inc.**Project:** Thriftway 830

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: R90111	RunNo: 90111								
Prep Date:	Analysis Date: 8/9/2022	SeqNo: 3214115 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		117	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.2	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.2		10.00		92.2	70	130			

Sample ID: 100NG LCS	SampType: LCS4	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: BatchQC	Batch ID: R90111	RunNo: 90188								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3216071 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	80	120			
Toluene	19	1.0	20.00	0	96.8	80	120			
Ethylbenzene	19	1.0	20.00	0	94.1	80	120			
Methyl tert-butyl ether (MTBE)	19	1.0	20.00	0	92.8	80	120			
Xylenes, Total	61	1.5	60.00	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.3	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.2		10.00		92.4	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260: Volatiles Short List								
Client ID: LCSW	Batch ID: R90188	RunNo: 90188								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3216174 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	70	130			
Toluene	20	1.0	20.00	0	98.5	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		114	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.9	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.3		10.00		92.9	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2208374

15-Aug-22

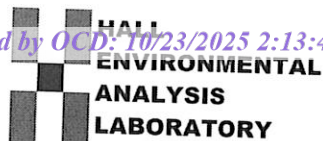
Client: Biotech Remediation, Inc.**Project:** Thriftway 830

Sample ID: 2208374-011ams		SampType: MS		TestCode: EPA Method 8260: Volatiles Short List						
Client ID: TW-39		Batch ID: R90188		RunNo: 90188						
Prep Date:		Analysis Date: 8/10/2022		SeqNo: 3216179		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	43	2.0	40.00	0	108	70	130			
Toluene	39	2.0	40.00	0	98.6	70	130			
Surr: 1,2-Dichloroethane-d4	21		20.00		107	70	130			
Surr: 4-Bromofluorobenzene	19		20.00		95.5	70	130			
Surr: Dibromofluoromethane	21		20.00		104	70	130			
Surr: Toluene-d8	19		20.00		94.6	70	130			

Sample ID: 2208374-011amsd		SampType: MSD		TestCode: EPA Method 8260: Volatiles Short List						
Client ID: TW-39		Batch ID: R90188		RunNo: 90188						
Prep Date:		Analysis Date: 8/10/2022		SeqNo: 3216180		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	43	2.0	40.00	0	106	70	130	1.51	20	
Toluene	38	2.0	40.00	0	95.0	70	130	3.74	20	
Surr: 1,2-Dichloroethane-d4	22		20.00		111	70	130	0	0	
Surr: 4-Bromofluorobenzene	20		20.00		99.8	70	130	0	0	
Surr: Dibromofluoromethane	21		20.00		104	70	130	0	0	
Surr: Toluene-d8	19		20.00		94.6	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Biotech Remediation, Inc.

Work Order Number: 2208374

RcptNo: 1

Received By: Juan Rojas

8/5/2022 6:20:00 AM

Completed By: Sean Livingston

8/5/2022 10:07:03 AM

Reviewed By: KPG

8.05 20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by CRC 8/5/22Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?

Yes ☐No ☐NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				

Chain-of-Custody Record

Client:

BioTech Remediation Inc.

501 Airport Drive, Suite 104

Mailing Address: Farmington, NM 87401

Project Name: The Pines # 830

Project #:

Phone #: (505) 215-5984

email or Fax#:

Project Manager:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☒ NELAC ☐ Other

☐ EDD (Type)

Sampler: Ross Kenemer

On Ice: ☐ Yes ☒ No

of Coolers: 1

Cooler Temp (including CF): 63.0 = 0.3 (°C)

Container Type and # Preservative Type HEAL No. 2208334

2208334

001

002

003

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APPENDIX B.

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-2-22	
Monitor Well ID.:		TW-43		Time:		0926	
Well Dia.:		2"		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		12.29		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
0943	18.3	4600		6.94	-51.1	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

Released to Imaging: 11/24/2025 11:01:29 AM

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-2-22	
Monitor Well ID.:		TW-42		Time:		1029	
Well Dia.:		2		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		6.01		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
1040	20.4	7445		7.17	-232.1	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965		
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer
Location:		Bloomfield, NM		Date:		8-2-22
Monitor Well ID.:		MW-18		Time:		1046
Well Dia.:		2		Air Temp.:		
Purge / No Purge:		No Purge		Weather:		
Total Well Depth:				Other:		
Initial D.T.W. (ft):		3.11	Time:	(taken at initial gauging of well)		
Confirm D.T.W. (ft):			Time:	(taken prior to purging well)		
Final D.T.W. (ft):			Time:	(taken after sample collection)		
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):		
Water Quality Parameters - Recorded During Well Purging						
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)
1053	22.0	3175		7.01	-240.1	0.25
Analytical Parameters (include analysis method and number and type of sampling containers)						
8021 BTEX/MTBE						
Disposal of Purged Water:		NA, no purge sampling				
Samples Stored on Ice in Cooler:						
C.O.C. Complete:						
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM				
Sampling Equipment:						
Notes / Comments						

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-2-22	
Monitor Well ID.:		MW-5		Time:		1101	
Well Dia.:		2		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		4.53		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
1117	20.0	10,056		7.13	-292.8	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

Released to Imaging: 11/24/2025 11:01:29 AM

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-2-22	
Monitor Well ID.:		MW-4		Time:		1142	
Well Dia.:		2		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		3.92		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
1150	22.30	6382		7.17	-209.5	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-2-22	
Monitor Well ID.:		mw-6		Time:		1157	
Well Dia.:		2		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		3.58		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
1204	22.2	4758		7.17	-203.0	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965		
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer
Location:		Bloomfield, NM		Date:		8-2-22
Monitor Well ID.:		MW-7		Time:		1211
Well Dia.:		2		Air Temp.:		
Purge / No Purge:		No Purge		Weather:		
Total Well Depth:				Other:		
Initial D.T.W. (ft):		7.32		Time:		(taken at initial gauging of well)
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)
Final D.T.W. (ft):				Time:		(taken after sample collection)
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):		
Water Quality Parameters - Recorded During Well Purging						
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)
1220	21.7	11,149		7.08	-185.9	0.25
Analytical Parameters (include analysis method and number and type of sampling containers)						
8021 BTEX/MTBE						
Disposal of Purged Water:		NA, no purge sampling				
Samples Stored on Ice in Cooler:						
C.O.C. Complete:						
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM				
Sampling Equipment:						
Notes / Comments						

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GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-4-22	
Monitor Well ID.:		TW-30		Time:		0848	
Well Dia.:		2"		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		5.84		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
0857	20.4	8103		6.99	-51.2	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

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GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-4-22	
Monitor Well ID.:		MW-20		Time:		0927	
Well Dia.:		2"		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		5.98		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
0935	19.5	8035		6.99	-107.3	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965		
Site:		Thriftway #810 Refinery		Technician:		R. Kenemer
Location:		Bloomfield, NM		Date:		8-4-22
Monitor Well ID.:		TW-46		Time:		0940
Well Dia.:		2"		Air Temp.:		
Purge / No Purge:		No Purge		Weather:		
Total Well Depth:				Other:		
Initial D.T.W. (ft):		7.44	Time:	(taken at initial gauging of well)		
Confirm D.T.W. (ft):			Time:	(taken prior to purging well)		
Final D.T.W. (ft):			Time:	(taken after sample collection)		
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):		
Water Quality Parameters - Recorded During Well Purging						
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)
0947	20.3	7425		7.19	-175.2	0.25
Analytical Parameters (include analysis method and number and type of sampling containers)						
8021 BTEX/MTBE						
Disposal of Purged Water:		NA, no purge sampling				
Samples Stored on Ice in Cooler:						
C.O.C. Complete:						
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM				
Sampling Equipment:						
Notes / Comments						

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965		
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer
Location:		Bloomfield, NM		Date:		8-4-22
Monitor Well ID.:		TW-51		Time:		0953
Well Dia.:		2"		Air Temp.:		
Purge / No Purge:		No Purge		Weather:		
Total Well Depth:				Other:		
Initial D.T.W. (ft):		7.06	Time:	(taken at initial gauging of well)		
Confirm D.T.W. (ft):			Time:	(taken prior to purging well)		
Final D.T.W. (ft):			Time:	(taken after sample collection)		
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):		
Water Quality Parameters - Recorded During Well Purging						
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)
1001	21.5	6759		6.96	-130.0	0.25
Analytical Parameters (include analysis method and number and type of sampling containers)						
8021 BTEX/MTBE						
Disposal of Purged Water:		NA, no purge sampling				
Samples Stored on Ice in Cooler:						
C.O.C. Complete:						
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM				
Sampling Equipment:						
Notes / Comments						

GROUNDWATER SAMPLING FORM				BioTech Remediation, Inc. 501 Airport Drive, Suite 104 Farmington, NM 87401 Phone (505) 327-4965			
Site:		Thriftway #810 Refinery		Technician:		R. Kennemer	
Location:		Bloomfield, NM		Date:		8-4-22	
Monitor Well ID.:		TW-54		Time:		1024	
Well Dia.:		2"		Air Temp.:			
Purge / No Purge:		No Purge		Weather:			
Total Well Depth:				Other:			
Initial D.T.W. (ft):		7.42		Time:		(taken at initial gauging of well)	
Confirm D.T.W. (ft):				Time:		(taken prior to purging well)	
Final D.T.W. (ft):				Time:		(taken after sample collection)	
NAPL Present:		D.T.P. (ft):		D.T.W. (ft):			
Water Quality Parameters - Recorded During Well Purging							
Time	Temp (deg C)	Conductivity (uS) (mS)	DO (mg/L)	pH	ORP (mV)	Purge Vol. (gallons)	
1029	20.3	6630		7.21	-98.5	0.25	
Analytical Parameters (include analysis method and number and type of sampling containers)							
8021 BTEX/MTBE							
Disposal of Purged Water:		NA, no purge sampling					
Samples Stored on Ice in Cooler:							
C.O.C. Complete:							
Analytical Laboratory:		Hall Environmental Laboratories, Albuquerque, NM					
Sampling Equipment:							
Notes / Comments							

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Online Phone Directory
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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

Action 519524

CONDITIONS

Operator: THRIFTWAY COMPANY 501 Airport Dr Ste 100 Farmington, NM 87401	OGRID: 143439
	Action Number: 519524
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Accepted for record only.	11/24/2025