2022 ANNUAL GROUNDWATER REPORT

Canada Mesa #2
Incident Number: nAUTOfAB000065
Meter Code: 87640
T24N, R6W, Sec 24, Unit I

REVIEWED
By Nelson Velez at 9:15 am, May 22, 2023

Review of 2022 Annual Groundwater Report: **Content satisfactory**

1. Proceed with Planned Future Activities as stated in this report.
2. Submit next annual groundwater monitoring report no later than April 1, 2024.

SITE DETAILS

Site Location: Latitude: 36.296081 N, Longitude: -107.414109 W
Land Type: Federal
Former Operator: Merrion Oil & Gas (well P&A'd)

SITE BACKGROUND

Environmental remediation activities at Canada Mesa #2 (Site) are managed pursuant to the procedures set forth in the document entitled, "*Remediation Plan for Groundwater Encountered During Pit Closure Activities*" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP's (EPCGP's) program methods. Formerly, the Site was operated by Merrion Oil & Gas Company and is no longer active.

Canada Mesa #2 is located on Federal land. An initial site assessment was completed in July 1994, and an excavation to approximately 12 feet below ground surface (bgs) was completed in August 1994. Various site investigations have occurred since 1994. Monitoring wells were installed in 1995 (MW-1) and 2000 (MW-2 and MW-3). Monitoring wells MW-2 and MW-3 were abandoned in May 2016, ahead of Merrion Oil and Gas Company's reclamation activities. Monitoring wells MW2R, MW-3R, and MW-4 through MW-7 were installed in 2018 and monitoring wells MW-8 and MW-9 were installed in 2019. In April 2022, monitoring wells MW-10 and MW-11 were installed. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2. Historically, light non-aqueous phase liquid (LNAPL) has periodically been encountered and recovered from MW-1, MW-2R, MW-4, and MW-9. Mobile dual-phase extraction (MDPE) events to enhance LNAPL recovery from MW-1 and MW-4 were conducted in 2018. Quarterly manual LNAPL recovery began in the second quarter of 2020 and has continued through 2022. Groundwater sampling is being conducted on a semi-annual basis.

MONITORING WELL INSTALLATION ACTIVITIES

The planned monitoring well locations for MW-10 and MW-11 were staked for permitting and utility locating purposes prior to completing public 811 locating activities. The monitoring well advancement and installation activities were completed in accordance with the March 22, 2022 *Monitoring Well Installation Work Plan*, subsequently approved by the NMOCD. The NMOCD was notified of the start of the monitoring well installation activities on March 16, 2022 (Appendix A).

Two monitoring wells (MW-10 and MW-11) were advanced and installed in April 2022, to further characterize the extent of hydrocarbons around monitoring well MW-9. The stick-up completions for existing monitoring wells MW-4 and MW-9 were also removed and at-grade completions installed in April 2022 to facilitate future remediation efforts. Ground surface and casing elevations of the new and modified monitoring wells were subsequently surveyed to tie-in to the existing monitoring well network.

Monitoring wells were constructed of 2-inch-diameter, Schedule 40 polyvinyl chloride (PVC), with 0.010-inch, continuous, factory-slotted PVC screen. The two monitoring wells were installed with 20 foot well screens, set from 30 to 50 feet bgs at MW-10 and 26 to 46 feet bgs at MW-11. The monitoring wells were installed at depths that bisected the field-observed or expected water table. A 3-foot seal of

bentonite chips was placed above the sandpack and hydrated, and the remaining annular space was filled with bentonite grout. The two monitoring wells were completed as stick-up wells with locking protective casings and a concrete surface completion. Four protective bollards were installed around each new monitoring well. Borehole logs and well construction diagrams, and associated New Mexico Office of the State Engineer forms, for MW-10 and MW-11 are provided in Appendix B.

During advancement of each monitoring well, one soil sample was retained from above the field-interpreted water table and placed in a 4-ounce jar for laboratory analysis. Retained sample jars were stored in an ice-filled cooler and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC, in Pensacola, Florida (Eurofins). The soil samples were analyzed for the presence of benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to United States Environmental Protection Agency (EPA) Method SW846 8021B, gasoline range organics, diesel range organics, and motor oil range organics using EPA Method 8015B; and chloride according to EPA Method 325.2.

Monitoring well development was performed using a down-hole pump until visibly clear groundwater was observed. Development and decontamination water were containerized and transported to Basin Disposal, Inc. (Basin) in Bloomfield, NM for disposal. A copy of the wastewater disposal documentation is included as Appendix C. Soil cuttings were drummed and staged on site for later removal and disposal at Envirotech, Inc. (Envirotech), located south of Bloomfield, NM. Documentation of soil drum disposal at Envirotech is contained in Appendix D.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via electronic mail (e-mail) to NMOCD on May 12, 2022, and October 26, 2022, prior to initiating groundwater sampling activities at the Site. Copies of the 2022 NMOCD notifications are provided in Appendix A. On May 22, 2022 and November 6, 2022 water levels were gauged at MW-1, MW-2R, MW-3R, and MW-4 through MW-11. On May 22, 2022, and again on November 6, 2022, groundwater samples were collected from MW-2R, MW-3R, MW-5, MW-8, MW-10, and MW-11. A groundwater sample was also collected from MW-1 on November 6, 2022. Groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the screened interval.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins where they were analyzed for BTEX using EPA Method 8260. One laboratory-supplied trip blank and one blind field duplicate were also collected during each groundwater sampling event.

The unused sample water was placed in a waste container and transported to Envirotech for disposal. Wastewater disposal documentation for Envirotech is included as Appendix C.

LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities beginning in the second calendar quarter of 2020. Documentation of NMOCD notification of

site LNAPL recovery activities in 2022 is provided in Appendix A. LNAPL was observed in monitoring wells MW-4, and MW-9 during the March, May, August, and November LNAPL recovery site visits. Trace LNAPL was observed in MW-1 during the March, May, and August site visits and in MW-2R during the March and August 2022 site visits.

The LNAPL recovery data is summarized on Table 1. During the groundwater sampling site visits in May and November, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the March site visit was transported for disposal at Basin and recovered LNAPL from the August site visit was disposed at Envirotech (Appendix C).

Based on MDPE testing completed at the Site and subsequent data collected during quarterly LNAPL recovery activities, an alternative LNAPL recovery remedy is being developed.

SUMMARY TABLES

Historic groundwater analytical and water level data are summarized in Table 2 and Table 3. LNAPL recovery data is summarized on Table 1. Soil analytical data is summarized in Table 4.

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2022 groundwater sampling and gauging events. Figure 7 summarizes soil sample analytical results.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix E. The soil analytical lab report is included in Appendix F.

GROUNDWATER RESULTS

- The groundwater elevations indicate the flow direction at the Site was generally to the east during 2022 (see Figures 4 and 6).
- LNAPL was observed in MW-1, MW-4, and MW-9 during the May 2022 event and in MW-4 and MW-9 during the November 2022 groundwater event; therefore, no groundwater samples were collected at these locations.
- The groundwater sample collected in November 2022 from MW-1 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Benzene was not detected or was detected below the NMWQCC standard in the remaining groundwater samples collected from site monitoring wells in 2022.
- Toluene was not detected or was detected below the NMWQCC standard in the groundwater samples collected from site monitoring wells in 2022.
- Ethylbenzene was not detected or was detected below the NMWQCC standard in the groundwater samples collected from site monitoring wells in 2022.

- The groundwater sample collected in November 2022 from MW-1 exceeded the NMWQCC standard (620 µg/L) for total xylenes in groundwater. Total xylenes were not detected or were detected below the NMWQCC standard in the remaining groundwater samples collected from site monitoring wells in 2022.

- A field duplicate was collected from monitoring well MW-8 during both 2022 sampling events. There were no significant differences between the primary and duplicate samples in 2022.

Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2022 groundwater monitoring events.

SOIL RESULTS

- Soil samples were collected during advancement of monitoring wells MW-10 and MW-11. Results are shown in tabular format in Table 4 and graphically in Figure 7.

- Concentrations of benzene were not detected in soil samples collected during advancement of MW-10 and MW-11.

- Concentrations of total BTEX were not detected in soil samples collected during advancement of MW-10 and MW-11.

- Concentrations of TPH were not detected in soil samples collected during advancement of MW-10 and MW-11.

- Chloride was not detected in the soil sample collected during advancement of MW-10 and was less than the applicable NMOCD soil closure criteria (600 mg/kg) in the soil sample collected during advancement of MW-11.

PLANNED FUTURE ACTIVITIES

No additional assessment is planned to assess shallow soils with hydrocarbon concentrations exceeding applicable NMOCD soil closure criteria present at MW-3R, SB-4, and SB-5. Monitoring well MW-3R and soil borings SB-4 and SB-5 were advanced near a former non-EPCGP pit. Additional assessment of the subject non-EPCGP pit should be conducted by others to address hydrocarbons detected in this area.

Quarterly site visits will continue at the site in 2023 to facilitate removal of measurable LNAPL where it is present. Installation of a skimmer system to enhance LNAPL recovery at the site is planned, and a work plan to enhance LNAPL recovery from MW-4 and MW-9 will be submitted under separate cover. Installation of the skimmer system will be contingent upon Bureau of Land Management approval of an amendment to the existing right-of-way agreement.

Groundwater monitoring events will continue be conducted on a semi-annual basis in 2023. As site closure is not being recommended at this time, groundwater samples will be collected from key monitoring wells not containing LNAPL on a semi-annual basis and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater

2022 ANNUAL GROUNDWATER REPORT

Canada Mesa #2
Incident Number: nAUTOfAB000065
Meter Code: 87640
T24N, R6W, Sec 24, Unit I

sampling event. Sampling of all site monitoring wells is conducted on a biennial basis, with the next site-wide sampling event to be conducted in the fourth calendar quarter of 2023.

The activities completed in 2023 and their results will be summarized in the 2023 Annual Report, to be submitted by April 1, 2024.

TABLES

TABLE 1 - LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

Canada Mesa #2						
Well ID - MW-1	**Depth to LNAPL (Feet)**	**Depth to Water (Feet)**	**Measured Thickness (Feet)**	**LNAPL Recovered (gal)**	**Water Recovered (gal)**	**Recovery Type**
Date						
4/14/2016	34.74	35.17	0.43	0.61	0.00	manual
5/23/2016	ND	34.77	0.00	0.00	0.00	manual
6/17/2016	NM	NM	0.22	0.08	0.01	manual
7/17/2016	NM	NM	0.11	0.05	0.00	manual
8/19/2016	NM	NM	0.11	0.08	0.01	manual
9/24/2016	NM	NM	0.06	<0.01	<0.01	manual
10/13/2016	35.32	35.41	0.09	0.01	0.00	manual
11/15/2016	36.49	36.50	0.01	<0.01	<0.01	manual
12/14/2016	36.37	36.40	0.03	<0.01	<0.01	manual
11/14/2017	35.41	35.50	0.09	Trace	<0.01	manual
5/15/2018	35.04	35.72	0.68	<0.01	<0.01	manual
7/16/2018	35.39	36.16	0.77	--	--	Mobile DPE
10/18/2018	36.78	37.15	0.37	4.3	646	Mobile DPE*
10/19/2018	36.93	37.02	0.09	7.0	994	Mobile DPE*
10/27/2018	35.67	35.68	0.01	<0.01	<0.01	manual
5/21/2019	35.46	35.46	<0.01	<0.01	<0.01	manual
11/10/2019	35.87	35.96	0.09	0.05	0.37	manual
5/11/2020	35.83	36.04	0.21	0.16	0.24	manual
11/12/2020	36.13	36.17	0.04	0.03	0.05	manual
3/18/2021	36.21	36.22	0.01	0.04	0.45	manual
5/19/2021	36.17	36.30	0.13	0.02	0.06	manual
9/18/2021	36.36	36.68	0.32	2.20	0.06	manual
11/11/2021	36.38	36.48	0.10	0.02	0.29	manual
3/21/2022	36.33	36.35	0.02	<0.01	0.11	manual
5/22/2022	36.35	36.45	0.10	0.03	0.12	manual
8/1/2022	36.49	36.50	0.01	<0.01	0.09	manual
			Total:	14.7	1642	
Well ID - MW-2R						
5/11/2020	36.29	36.30	0.01	Trace	Trace	manual
8/19/2020	36.50	36.50	<0.01	Trace	0.13	manual
3/18/2021	36.65	36.65	<0.01	<0.01	0.23	manual
3/21/2022	36.74	36.75	0.01	<0.01	0.15	manual
8/1/2022	36.98	36.99	0.01	<0.01	<0.01	manual
			Total:	Trace	0.51	
Well ID - MW-4						
5/15/2018	39.16	39.16	<0.01	Trace	0.26	manual
7/16/2018	39.44	40.60	1.16	2.7	817	Mobile DPE*
10/18/2018	39.63	40.82	1.19	1.1	470	Mobile DPE*
10/19/2018	40.00	40.18	0.18	3.4	1379	Mobile DPE*
5/21/2019	39.60	39.60	<0.01	<0.01	0	manual
11/10/2019	39.92	40.62	0.70	0.13	0.37	manual
5/11/2020	39.91	40.40	0.49	0.21	0.48	manual
8/19/2020	40.16	40.36	0.20	0.42	0.11	manual
11/12/2020	40.10	41.13	1.03	0.28	0.09	manual
3/18/2021	39.42	40.17	0.75	0.40	0.40	manual
5/19/2021	40.13	41.11	0.98	0.38	0.16	manual
9/18/2021	40.29	41.43	1.14	0.25	3.01	manual
11/11/2021	40.32	41.44	1.12	0.41	0.5	manual
3/21/2022	40.24	41.22	0.98	0.35	0.28	manual
5/22/2022	38.29	39.30	1.01	0.43	0.23	manual
8/1/2022	38.48	39.55	1.07	0.44	0.53	manual
11/6/2022	38.28	39.16	0.88	0.65	0.33	manual
			Total:	11.6	2673	
Well ID - MW-9						
11/10/2019	36.72	37.45	0.73	0.18	0.26	manual
5/11/2020	36.66	37.30	0.64	2.5	0.18	manual
8/19/2020	36.87	37.57	0.70	2.14	0.17	manual
11/12/2020	36.98	37.67	0.69	2.17	0.44	manual
3/18/2021	37.07	37.49	0.42	0.49	0.22	manual
5/19/2021	37.04	37.46	0.42	0.05	0.08	manual
9/18/2021	37.21	37.75	0.54	0.08	5.00	manual
11/11/2021	37.21	37.75	0.54	0.74	0.54	manual
3/21/2022	37.18	37.47	0.29	0.32	0.20	manual
5/22/2022	35.20	35.56	0.36	0.27	0.10	manual
8/1/2022	35.35	35.70	0.35	0.32	0.66	manual
11/6/2022	35.19	35.39	0.20	0.43	0.02	manual
			Total:	9.69	7.87	

Notes:

gal = gallons.

NM - Not Measured. Measured thickness was obtained by measuring the thickness within a bailer.

ND = Not Detected.

* = Mobile Duel Phase Extraction (DPE) includes calculated recovered hydrocarbon vapors.

-- = No date recorded (recovery amounts combined with MW-4 MDPE event).

LNAPL = Light non-aqueous phase liquid

LNAPL recovery data for 2015 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/04/96	5520	8880	469	3920
MW-1	02/05/97	3450	5200	214	1770
MW-1	05/07/97	4650	8440	317	2580
MW-1	01/09/00	NS	NS	NS	NS
MW-1	01/26/00	NS	NS	NS	NS
MW-1	02/15/00	NS	NS	NS	NS
MW-1	10/06/00	NS	NS	NS	NS
MW-1	11/14/00	NS	NS	NS	NS
MW-1	01/03/01	NS	NS	NS	NS
MW-1	01/15/01	NS	NS	NS	NS
MW-1	01/22/01	NS	NS	NS	NS
MW-1	01/30/01	NS	NS	NS	NS
MW-1	02/13/01	NS	NS	NS	NS
MW-1	02/20/01	NS	NS	NS	NS
MW-1	02/28/01	NS	NS	NS	NS
MW-1	06/04/01	NS	NS	NS	NS
MW-1	07/03/01	NS	NS	NS	NS
MW-1	08/06/01	NS	NS	NS	NS
MW-1	08/20/01	NS	NS	NS	NS
MW-1	08/31/01	NS	NS	NS	NS
MW-1	09/14/01	NS	NS	NS	NS
MW-1	09/26/01	NS	NS	NS	NS
MW-1	10/02/01	NS	NS	NS	NS
MW-1	10/10/01	NS	NS	NS	NS
MW-1	12/05/01	NS	NS	NS	NS
MW-1	12/14/01	NS	NS	NS	NS
MW-1	12/21/01	NS	NS	NS	NS
MW-1	12/28/01	NS	NS	NS	NS
MW-1	01/02/02	NS	NS	NS	NS
MW-1	01/07/02	NS	NS	NS	NS
MW-1	01/23/02	NS	NS	NS	NS
MW-1	01/30/02	NS	NS	NS	NS
MW-1	02/07/02	NS	NS	NS	NS
MW-1	02/14/02	NS	NS	NS	NS
MW-1	02/20/02	NS	NS	NS	NS
MW-1	02/26/02	NS	NS	NS	NS
MW-1	03/07/02	NS	NS	NS	NS
MW-1	03/12/02	NS	NS	NS	NS
MW-1	03/28/02	NS	NS	NS	NS
MW-1	04/03/02	NS	NS	NS	NS
MW-1	04/25/02	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
MW-1	05/21/02	NS	NS	NS	NS
MW-1	06/10/02	NS	NS	NS	NS
MW-1	09/23/02	NS	NS	NS	NS
MW-1	03/25/03	NS	NS	NS	NS
MW-1	06/22/03	NS	NS	NS	NS
MW-1	09/15/03	NS	NS	NS	NS
MW-1	12/15/03	NS	NS	NS	NS
MW-1	03/17/04	NS	NS	NS	NS
MW-1	03/22/04	NS	NS	NS	NS
MW-1	06/03/04	NS	NS	NS	NS
MW-1	06/04/04	NS	NS	NS	NS
MW-1	09/13/04	NS	NS	NS	NS
MW-1	09/14/04	NS	NS	NS	NS
MW-1	12/15/04	NS	NS	NS	NS
MW-1	03/22/05	NS	NS	NS	NS
MW-1	06/24/05	NS	NS	NS	NS
MW-1	09/14/05	NS	NS	NS	NS
MW-1	12/14/05	NS	NS	NS	NS
MW-1	03/28/06	NS	NS	NS	NS
MW-1	06/07/06	NS	NS	NS	NS
MW-1	09/29/06	NS	NS	NS	NS
MW-1	12/26/06	NS	NS	NS	NS
MW-1	03/26/07	NS	NS	NS	NS
MW-1	06/13/07	NS	NS	NS	NS
MW-1	09/28/07	NS	NS	NS	NS
MW-1	12/18/07	NS	NS	NS	NS
MW-1	03/05/08	NS	NS	NS	NS
MW-1	06/16/08	NS	NS	NS	NS
MW-1	09/10/08	NS	NS	NS	NS
MW-1	12/10/08	NS	NS	NS	NS
MW-1	03/02/09	NS	NS	NS	NS
MW-1	06/10/09	NS	NS	NS	NS
MW-1	08/25/09	NS	NS	NS	NS
MW-1	11/03/09	1970	6020	359	6110
MW-1	02/16/10	NS	NS	NS	NS
MW-1	06/02/10	NS	NS	NS	NS
MW-1	09/27/10	NS	NS	NS	NS
MW-1	11/08/10	571	9070	1370	27200
MW-1	02/01/11	NS	NS	NS	NS
MW-1	05/02/11	NS	NS	NS	NS
MW-1	09/23/11	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/10/11	1340	9510	1260	20800
MW-1	02/22/12	NS	NS	NS	NS
MW-1	05/15/12	NS	NS	NS	NS
MW-1	06/05/13	720	2200	92	4000
MW-1	09/10/13	570	1700	63	2900
MW-1	12/10/13	190	740	40	1000
MW-1	04/04/14	NS	NS	NS	NS
MW-1	10/22/14	NS	NS	NS	NS
MW-1	05/28/15	NS	NS	NS	NS
MW-1	11/21/15	NS	NS	NS	NS
MW-1	04/14/16	NS	NS	NS	NS
MW-1	12/14/16	NS	NS	NS	NS
MW-1	06/07/17	1400	5900	470	21000
MW-1	11/14/17	NS	NS	NS	NS
MW-1	05/15/18	NS	NS	NS	NS
MW-1	10/27/18	NS	NS	NS	NS
MW-1	05/21/19	NS	NS	NS	NS
MW-1	11/10/19	NS	NS	NS	NS
MW-1	05/11/20	NS	NS	NS	NS
MW-1	03/18/21	NS	NS	NS	NS
MW-1	05/19/21	NS	NS	NS	NS
MW-1	09/18/21	NS	NS	NS	NS
MW-1	11/11/21	NS	NS	NS	NS
MW-1	05/22/22	NS	NS	NS	NS
MW-1	11/06/22	45	180	120	730
MW-2	11/16/00	3200	330	1200	1100
MW-2	06/04/01	NS	NS	NS	NS
MW-2	07/03/01	NS	NS	NS	NS
MW-2	08/06/01	NS	NS	NS	NS
MW-2	08/31/01	NS	NS	NS	NS
MW-2	09/14/01	NS	NS	NS	NS
MW-2	03/19/02	22	<5	150	14
MW-2	12/24/02	12.1	2.1	129	16.4
MW-2	03/25/03	NS	NS	NS	NS
MW-2	06/22/03	NS	NS	NS	NS
MW-2	09/15/03	NS	NS	NS	NS
MW-2	12/15/03	10	11.7	55.3	29.7
MW-2	03/22/04	NS	NS	NS	NS
MW-2	06/04/04	NS	NS	NS	NS
MW-2	09/14/04	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	12/15/04	6.3	3.8	8	5.9
MW-2	03/22/05	NS	NS	NS	NS
MW-2	06/24/05	NS	NS	NS	NS
MW-2	09/14/05	NS	NS	NS	NS
MW-2	12/14/05	NS	NS	NS	NS
MW-2	12/15/05	12.1	30.9	5.6	61.9
MW-2	03/28/06	NS	NS	NS	NS
MW-2	06/07/06	NS	NS	NS	NS
MW-2	09/29/06	NS	NS	NS	NS
MW-2	12/26/06	5.3	5	1.8	7.1
MW-2	03/26/07	NS	NS	NS	NS
MW-2	06/13/07	NS	NS	NS	NS
MW-2	09/28/07	NS	NS	NS	NS
MW-2	12/18/07	<2	<2	<2	<6
MW-2	03/05/08	NS	NS	NS	NS
MW-2	06/16/08	NS	NS	NS	NS
MW-2	09/10/08	NS	NS	NS	NS
MW-2	12/10/08	1.2	2.7	1.7	4.9
MW-2	03/02/09	NS	NS	NS	NS
MW-2	06/10/09	NS	NS	NS	NS
MW-2	08/25/09	NS	NS	NS	NS
MW-2	11/03/09	0.68 J	<1	<1	1.5 J
MW-2	02/16/10	NS	NS	NS	NS
MW-2	06/02/10	NS	NS	NS	NS
MW-2	09/27/10	NS	NS	NS	NS
MW-2	11/08/10	<2	<2	<2	<6
MW-2	02/01/11	NS	NS	NS	NS
MW-2	09/23/11	NS	NS	NS	NS
MW-2	11/10/11	1.1	<1	<1	1.4 J
MW-2	02/22/12	NS	NS	NS	NS
MW-2	05/15/12	NS	NS	NS	NS
MW-2	06/05/13	<0.140	<0.30	<0.20	<0.23
MW-2	09/10/13	0.22	<0.30	<0.020	<0.23
MW-2	12/10/13	0.24 J	<0.38	<0.20	<0.65
MW-2	04/04/14	0.46 J	<0.38	<0.20	<0.65
MW-2	10/22/14	<0.38	<0.70	<0.50	<1.6
MW-2	05/28/15	0.57 J	<5.0	<1.0	<5.0

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
MW-2	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-2	04/14/16	NS	NS	NS	NS
MW-2 abandoned on May 22, 2016					
MW-2R	05/15/18	<10	<10	300	1800
MW-2R	10/27/18	<1.0	<1.0	7.8	59
MW-2R	05/21/19	<1.0	<1.0	<1.0	<10
MW-2R	11/10/19	<1.0	<1.0	<1.0	<10
DUP-1(MW-2R)*	11/10/19	<1.0	<1.0	<1.0	18
MW-2R	05/11/20	NS	NS	NS	NS
MW-2R	03/18/21	NS	NS	NS	NS
MW-2R	05/19/21	<1.0	<1.0	<1.0	<10
MW-2R	09/18/21	NS	NS	NS	NS
MW-2R	11/11/21	<1.0	<1.0	<1.0	<10
MW-2R	05/22/22	<1.0	<1.0	<1.0	34
MW-2R	11/06/22	<1.0	<1.0	<1.0	<10
MW-3	11/16/00	880	1300	420	3700
MW-3	06/04/01	NS	NS	NS	NS
MW-3	07/03/01	NS	NS	NS	NS
MW-3	08/06/01	NS	NS	NS	NS
MW-3	08/31/01	NS	NS	NS	NS
MW-3	09/14/01	NS	NS	NS	NS
MW-3	03/19/02	1100	29	360	3700
MW-3	06/10/02	NS	NS	NS	NS
MW-3	09/23/02	NS	NS	NS	NS
MW-3	12/24/02	1430	95	483	2359
MW-3	03/25/03	NS	NS	NS	NS
MW-3	06/22/03	NS	NS	NS	NS
MW-3	09/15/03	NS	NS	NS	NS
MW-3	12/15/03	503	79.7	148	891
MW-3	03/22/04	NS	NS	NS	NS
MW-3	06/04/04	NS	NS	NS	NS
MW-3	09/14/04	NS	NS	NS	NS
MW-3	12/15/04	410	54.9	88.7	420
MW-3	03/22/05	NS	NS	NS	NS
MW-3	06/24/05	NS	NS	NS	NS
MW-3	09/14/05	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
MW-3	12/15/05	482	32.7	74.1	399
MW-3	03/28/06	NS	NS	NS	NS
MW-3	06/07/06	NS	NS	NS	NS
MW-3	09/29/06	NS	NS	NS	NS
MW-3	12/26/06	679	78.9	106	565
MW-3	03/26/07	NS	NS	NS	NS
MW-3	06/13/07	NS	NS	NS	NS
MW-3	09/28/07	NS	NS	NS	NS
MW-3	12/18/07	412	39.4	31.5	207
MW-3	03/05/08	NS	NS	NS	NS
MW-3	06/16/08	NS	NS	NS	NS
MW-3	09/10/08	NS	NS	NS	NS
MW-3	12/10/08	653	63.2	55.5	253
MW-3	03/02/09	NS	NS	NS	NS
MW-3	06/10/09	NS	NS	NS	NS
MW-3	08/25/09	NS	NS	NS	NS
MW-3	11/03/09	715	220	80	570
MW-3	02/16/10	NS	NS	NS	NS
MW-3	06/02/10	NS	NS	NS	NS
MW-3	09/27/10	NS	NS	NS	NS
MW-3	11/08/10	426	15	22.1	85.1
MW-3	02/01/11	NS	NS	NS	NS
MW-3	09/23/11	NS	NS	NS	NS
MW-3	11/10/11	167	5.3	16.5	54.3
MW-3	02/22/12	NS	NS	NS	NS
MW-3	05/15/12	NS	NS	NS	NS
MW-3	06/05/13	340	1.3	31	47
MW-3	09/10/13	340	0.9	12	4.2
MW-3	12/10/13	220	13	6.3	2.6
MW-3	04/04/14	320	5.4 J	<0.80	<2.6
MW-3	10/22/14	240	<0.70	0.52 J	<1.6
MW-3	05/28/15	390	<25	<5.0	26
MW-3	11/21/15	380	1.5	1.3	8.8
MW-3	04/14/16	370	<25	<5.0	<25
MW-3 abandoned on May 22, 2016					
MW-3R	05/15/18	3.6	1.4	2.3	16
DP-01(MW-3R)*	05/15/18	3.6	1.2	1.9	12

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
MW-3R	10/27/18	<1.0	<1.0	<1.0	<10
MW-3R	05/21/19	<1.0	<1.0	<1.0	<10
MW-3R	11/10/19	<1.0	<1.0	<1.0	<10
MW-3R	05/11/20	<1.0	<1.0	<1.0	<10
MW-3R	11/12/20	<1.0	<1.0	<1.0	<10
MW-3R	05/19/21	<1.0	<1.0	<1.0	<10
MW-3R	11/11/21	<1.0	<1.0	<1.0	<10
MW-3R	05/22/22	<1.0	<1.0	<1.0	<10
MW-3R	11/06/22	<1.0	<1.0	<1.0	<10
MW-4	05/15/18	NS	NS	NS	NS
MW-4	10/27/18	25	2500	740	12000
MW-4	05/21/19	NS	NS	NS	NS
MW-4	11/10/19	NS	NS	NS	NS
MW-4	08/19/20	NS	NS	NS	NS
MW-4	03/18/21	NS	NS	NS	NS
MW-4	05/19/21	NS	NS	NS	NS
MW-4	09/18/21	NS	NS	NS	NS
MW-4	11/11/21	NS	NS	NS	NS
MW-4	05/22/22	NS	NS	NS	NS
MW-4	11/06/22	NS	NS	NS	NS
MW-5	05/15/18	<1.0	<1.0	<1.0	<10
MW-5	10/27/18	<1.0	<1.0	1.9	<10
MW-5	05/21/19	<1.0	<1.0	<1.0	<10
MW-5	11/10/19	<1.0	<1.0	<1.0	<10
MW-5	05/11/20	<1.0	<1.0	<1.0	<10
MW-5	11/12/20	<1.0	<1.0	<1.0	<10
MW-5	05/19/21	<1.0	<1.0	<1.0	<10
MW-5	09/18/21	NS	NS	NS	NS
MW-5	11/11/21	<1.0	<1.0	<1.0	<10
MW-5	05/22/22	<1.0	<1.0	<1.0	<10
MW-5	11/06/22	<1.0	<1.0	<1.0	<10
MW-6	05/15/18	<2.0	26	7.1	450
MW-6	10/27/18	<1.0	<1.0	<1.0	<10
DUP-01(MW-6)*	10/27/18	<1.0	<1.0	<1.0	<10
MW-6	05/21/19	<1.0	<1.0	<1.0	<10
MW-6	11/10/19	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
MW-6	05/11/20	NS	NS	NS	NS
MW-6	11/12/20	NS	NS	NS	NS
MW-6	05/19/21	NS	NS	NS	NS
MW-6	09/18/21	NS	NS	NS	NS
MW-6	11/11/21	<1.0	<1.0	<1.0	<10
MW-6	05/22/22	NS	NS	NS	NS
MW-6	11/06/22	NS	NS	NS	NS
MW-7	05/15/18	<1.0	<1.0	<1.0	<10
MW-7	10/27/18	<1.0	<1.0	<1.0	<10
MW-7	05/21/19	<1.0	<1.0	<1.0	<10
MW-7	11/10/19	<1.0	<1.0	<1.0	<10
MW-7	05/11/20	NS	NS	NS	NS
MW-7	11/12/20	NS	NS	NS	NS
MW-7	05/19/21	NS	NS	NS	NS
MW-7	09/18/21	NS	NS	NS	NS
MW-7	11/11/21	<1.0	<1.0	<1.0	<10
MW-7	05/22/22	NS	NS	NS	NS
MW-7	11/06/22	NS	NS	NS	NS
MW-8	11/10/19	110	<20	910	8100
MW-8	05/11/20	100	<20	630	3900
DUP-01 (MW-8)*	05/11/20	60	<20	440	2400
MW-8	11/12/20	30	<20	1500	13000
DUP-01 (MW-8)*	11/12/20	<20	<20	1200	9800
MW-8	05/19/21	10	3.2	390	1200
DUP-01 (MW-8)*	05/19/21	1.3	<1.0	15	45
MW-8	09/18/21	NS	NS	NS	NS
MW-8	11/11/21	5.7	<1.0	1.4	<10
DUP-01 (MW-8)*	11/11/21	5.8	<1.0	1.6	<10
MW-8	05/22/22	1.7	<1.0	1.8	<10
DUP-01 (MW-8)*	05/22/22	2.0	<1.0	1.7	<10
MW-8	11/06/22	2.2	<1.0	2.3	<10
DUP-01 (MW-8)*	11/06/22	2.4	<1.0	2.4	<10
MW-9	11/10/19	NS	NS	NS	NS
MW-9	05/11/20	NS	NS	NS	NS
MW-9	03/18/21	NS	NS	NS	NS
MW-9	05/19/21	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Canada Mesa #2					
Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
MW-9	09/18/21	NS	NS	NS	NS
MW-9	11/11/21	NS	NS	NS	NS
MW-9	03/21/22	NS	NS	NS	NS
MW-9	05/22/22	NS	NS	NS	NS
MW-9	11/06/22	NS	NS	NS	NS
MW-10	05/22/22	<1.0	<1.0	<1.0	<10
MW-10	11/06/22	<1.0	<1.0	<1.0	<10
MW-11	05/22/22	<1.0	<1.0	<1.0	<10
MW-11	11/06/22	<1.0	<1.0	<1.0	<10

Notes:
The groundwater monitoring dates for each monitoring well where no groundwater samples were collected and analyzed have been omitted.
µg/L = micrograms per liter
Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.
"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result in an approximate value.
"<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).
*Field Duplicate results presented immediately below primary sample result

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/04/96	6503.37	33.67	34.42	0.75	6469.51
MW-1	02/05/97	6503.37	33.64	34.35	0.71	6469.55
MW-1	05/07/97	6503.37	33.61	34.24	0.63	6469.60
MW-1	01/09/00	6503.37	33.79	33.93	0.14	6469.54
MW-1	01/26/00	6503.37	35.03	35.22	0.19	6468.29
MW-1	02/15/00	6503.37	34.93	35.11	0.18	6468.39
MW-1	10/06/00	6503.37	33.82	34.11	0.29	6469.47
MW-1	11/14/00	6503.37	33.81	33.98	0.17	6469.51
MW-1	01/03/01	6503.37	33.83	33.96	0.13	6469.50
MW-1	01/15/01	6503.37	33.78	33.93	0.15	6469.55
MW-1	01/22/01	6503.37	NR	33.81		6469.56
MW-1	01/30/01	6503.37	33.82	33.83	0.01	6469.54
MW-1	02/13/01	6503.37	NR	33.80		6469.57
MW-1	02/20/01	6503.37	NR	33.81		6469.56
MW-1	02/28/01	6503.37	NR	33.81		6469.56
MW-1	06/04/01	6503.37	33.81	34.13	0.32	6469.48
MW-1	07/03/01	6503.37	33.96	34.09	0.13	6469.37
MW-1	08/06/01	6503.37	34.07	34.08	0.01	6469.29
MW-1	08/20/01	6503.37	34.09	34.10	0.01	6469.27
MW-1	08/31/01	6503.37	NR	34.17		6469.20
MW-1	09/14/01	6503.37	34.13	34.14	0.01	6469.23
MW-1	09/26/01	6503.37	34.14	34.15	0.01	6469.22
MW-1	10/02/01	6503.37	34.15	34.17	0.02	6469.21
MW-1	10/10/01	6503.37	34.16	34.18	0.02	6469.20
MW-1	12/05/01	6503.37	34.25	34.26	0.01	6469.11
MW-1	12/14/01	6503.37	NR	34.27		6469.10
MW-1	12/21/01	6503.37	NR	34.24		6469.13
MW-1	12/28/01	6503.37	NR	34.22		6469.15
MW-1	01/02/02	6503.37	NR	34.23		6469.14
MW-1	01/07/02	6503.37	34.23	34.25	0.02	6469.13
MW-1	01/23/02	6503.37	34.37	34.42	0.05	6468.98
MW-1	01/30/02	6503.37	34.50	34.51	0.01	6468.86
MW-1	02/07/02	6503.37	34.49	34.50	0.01	6468.87
MW-1	02/14/02	6503.37	34.41	34.42	0.01	6468.95
MW-1	02/20/02	6503.37	34.99	35.00	0.01	6468.37
MW-1	02/26/02	6503.37	NR	34.25		6469.12
MW-1	03/07/02	6503.37	34.24	34.25	0.01	6469.12
MW-1	03/12/02	6503.37	34.24	34.25	0.01	6469.12
MW-1	03/28/02	6503.37	NR	34.27		6469.10
MW-1	04/03/02	6503.37	NR	34.26		6469.11
MW-1	04/25/02	6503.37	NR	34.45		6468.92

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	05/21/02	6503.37	NR	34.30		6469.07
MW-1	06/10/02	6503.37	NR	34.32		6469.05
MW-1	09/23/02	6503.37	NR	34.50		6468.87
MW-1	03/25/03	6503.37	ND	34.50		6468.87
MW-1	06/22/03	6503.37	34.48	34.55	0.07	6468.87
MW-1	09/15/03	6503.37	34.65	34.97	0.32	6468.64
MW-1	12/15/03	6503.37	34.41	34.98	0.57	6468.81
MW-1	03/17/04	6503.37	34.24	34.80	0.56	6468.99
MW-1	03/22/04	6503.37	34.29	34.49	0.20	6469.03
MW-1	06/03/04	6503.37	34.30	34.44	0.14	6469.03
MW-1	06/04/04	6503.37	34.20	34.30	0.10	6469.14
MW-1	09/13/04	6503.37	34.64	35.30	0.66	6468.56
MW-1	09/14/04	6503.37	34.65	34.95	0.30	6468.64
MW-1	12/15/04	6503.37	34.74	35.32	0.58	6468.48
MW-1	03/22/05	6503.37	34.36	35.01	0.65	6468.84
MW-1	06/24/05	6503.37	34.39	34.97	0.58	6468.83
MW-1	09/14/05	6503.37	34.60	35.65	1.05	6468.50
MW-1	12/14/05	6503.37	34.74	35.05	0.31	6468.55
MW-1	03/28/06	6503.37	34.59	35.14	0.55	6468.64
MW-1	06/07/06	6503.37	34.52	35.11	0.59	6468.70
MW-1	09/29/06	6503.37	34.85	35.14	0.29	6468.44
MW-1	12/26/06	6503.37	34.44	34.85	0.41	6468.82
MW-1	03/26/07	6503.37	34.35	34.60	0.25	6468.95
MW-1	06/13/07	6503.37	34.20	35.39	1.19	6468.87
MW-1	09/28/07	6503.37	34.86	35.12	0.26	6468.44
MW-1	12/18/07	6503.37	34.18	34.34	0.16	6469.15
MW-1	03/05/08	6503.37	34.15	34.17	0.02	6469.21
MW-1	06/16/08	6503.37	ND	34.17		6469.20
MW-1	09/10/08	6503.37	ND	34.35		6469.02
MW-1	12/10/08	6503.37	ND	34.30		6469.07
MW-1	03/02/09	6503.37	ND	34.22		6469.15
MW-1	06/10/09	6503.37	ND	35.14		6468.23
MW-1	08/25/09	6503.37	ND	34.50		6468.87
MW-1	11/03/09	6503.37	ND	34.57		6468.80
MW-1	02/16/10	6503.37	34.54	34.57	0.03	6468.82
MW-1	06/02/10	6503.37	34.34	34.58	0.24	6468.97
MW-1	09/27/10	6503.37	34.71	35.26	0.55	6468.52
MW-1	11/08/10	6503.37	34.73	34.98	0.25	6468.57
MW-1	02/01/11	6503.37	34.63	34.97	0.34	6468.65
MW-1	05/02/11	6503.37	ND	35.52		6467.85
MW-1	09/23/11	6503.37	34.93	35.40	0.47	6468.32

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/10/11	6503.37	34.95	35.21	0.26	6468.35
MW-1	02/22/12	6503.37	ND	34.98		6468.39
MW-1	05/15/12	6503.37	ND	35.04		6468.33
MW-1	06/05/13	6503.37	ND	39.13		6464.24
MW-1	09/10/13	6503.37	ND	36.50		6466.87
MW-1	12/10/13	6503.37	35.35	35.45	0.10	6467.99
MW-1	04/04/14	6503.37	35.00	35.78	0.78	6468.17
MW-1	10/22/14	6503.37	35.37	36.25	0.88	6467.78
MW-1	05/28/15	6503.37	34.80	35.42	0.62	6468.41
MW-1	11/21/15	6503.37	35.01	35.55	0.54	6468.22
MW-1	04/14/16	6503.37	34.74	35.17	0.43	6468.52
MW-1	05/23/16	6503.37	34.77	34.77		6468.60
MW-1	06/17/16	6503.37	NM	NM		NM
MW-1	07/17/16	6503.37	NM	NM		NM
MW-1	08/19/16	6503.37	NM	NM		NM
MW-1	09/24/16	6503.37	NM	NM		NM
MW-1	10/13/16	6503.37	35.32	35.41	0.09	6468.02
MW-1	11/15/16	6503.37	36.49	36.50	0.01	6466.87
MW-1	12/14/16	6503.37	36.37	36.40	0.03	6466.99
MW-1	06/07/17	6503.37	ND	34.90		6468.47
MW-1	11/14/17	6503.37	35.41	35.50	0.09	6467.93
MW-1	05/15/18	6503.37	35.04	35.72	0.68	6468.16
MW-1	07/16/18	6503.37	35.39	36.16	0.77	6467.78
MW-1	10/18/18	6503.37	36.78	37.15	0.37	6466.49
MW-1	10/27/18	6503.37	35.67	35.68	0.01	6467.69
MW-1	05/21/19	6503.37	35.46	35.46	<0.01	6467.91
MW-1	11/10/19	6503.37	35.87	35.96	0.09	6467.41
MW-1	05/11/20	6503.37	35.83	36.04	0.21	6467.48
MW-1	08/19/20	6503.37	ND	35.96		6467.41
MW-1	11/12/20	6503.37	36.13	36.17	0.04	6467.23
MW-1	03/18/21	6503.37	36.21	36.22	0.01	6467.15
MW-1	05/19/21	6503.37	36.17	36.30	0.13	6467.16
MW-1	09/18/21	6503.37	36.36	36.68	0.32	6466.93
MW-1	11/11/21	6503.37	36.38	36.48	0.10	6466.96
MW-1	03/21/22	6503.37	36.33	36.35	0.02	6467.03
MW-1	05/22/22	6503.37	36.35	36.45	0.10	6466.99
MW-1	08/01/22	6503.37	36.49	36.50	0.01	6466.87
MW-1	11/06/22	6503.37	ND	36.34		6467.03
MW-2	11/16/00	6504.34	NR	34.90		6469.44
MW-2	06/04/01	6504.34	NR	34.97		6469.37

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	07/03/01	6504.34	NR	35.07		6469.27
MW-2	08/06/01	6504.34	NR	35.14		6469.20
MW-2	08/31/01	6504.34	NR	35.19		6469.15
MW-2	09/14/01	6504.34	NR	35.21		6469.13
MW-2	03/19/02	6504.34	NR	35.36		6468.98
MW-2	12/24/02	6504.34	NR	35.52		6468.82
MW-2	03/25/03	6504.34	ND	35.54		6468.80
MW-2	06/22/03	6504.34	ND	35.60		6468.74
MW-2	09/15/03	6504.34	ND	35.60		6468.74
MW-2	12/15/03	6504.34	ND	35.63		6468.71
MW-2	03/22/04	6504.34	ND	35.41		6468.93
MW-2	06/04/04	6504.34	ND	35.31		6469.03
MW-2	09/14/04	6504.34	ND	35.80		6468.54
MW-2	12/15/04	6504.34	ND	35.79		6468.55
MW-2	03/22/05	6504.34	ND	35.63		6468.71
MW-2	06/24/05	6504.34	ND	35.60		6468.74
MW-2	09/14/05	6504.34	ND	35.92		6468.42
MW-2	12/14/05	6504.34	ND	35.85		6468.49
MW-2	12/15/05	6504.34	ND	35.85		6468.49
MW-2	03/28/06	6504.34	ND	35.73		6468.61
MW-2	06/07/06	6504.34	ND	35.73		6468.61
MW-2	09/29/06	6504.34	ND	35.91		6468.43
MW-2	12/26/06	6504.34	ND	35.63		6468.71
MW-2	03/26/07	6504.34	ND	35.41		6468.93
MW-2	06/13/07	6504.34	ND	35.32		6469.02
MW-2	09/28/07	6504.34	ND	35.93		6468.41
MW-2	12/18/07	6504.34	ND	35.32		6469.02
MW-2	03/05/08	6504.34	ND	35.22		6469.12
MW-2	06/16/08	6504.34	ND	35.15		6469.19
MW-2	09/10/08	6504.34	ND	35.45		6468.89
MW-2	12/10/08	6504.34	ND	35.37		6468.97
MW-2	03/02/09	6504.34	ND	35.27		6469.07
MW-2	06/10/09	6504.34	ND	35.23		6469.11
MW-2	08/25/09	6504.34	ND	35.58		6468.76
MW-2	11/03/09	6504.34	ND	35.65		6468.69
MW-2	02/16/10	6504.34	ND	35.65		6468.69
MW-2	06/02/10	6504.34	ND	35.48		6468.86
MW-2	09/27/10	6504.34	ND	35.85		6468.49
MW-2	11/08/10	6504.34	ND	35.85		6468.49
MW-2	02/01/11	6504.34	ND	35.75		6468.59
MW-2	09/23/11	6504.34	ND	36.07		6468.27

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	11/10/11	6504.34	ND	36.08		6468.26
MW-2	02/22/12	6504.34	ND	36.97		6467.37
MW-2	05/15/12	6504.34	ND	36.10		6468.24
MW-2	06/05/13	6504.34	ND	36.18		6468.16
MW-2	09/10/13	6504.34	ND	36.58		6467.76
MW-2	12/10/13	6504.34	ND	36.44		6467.90
MW-2	04/04/14	6504.34	ND	35.25		6469.09
MW-2	10/22/14	6504.34	ND	36.65		6467.69
MW-2	05/28/15	6504.34	ND	36.02		6468.32
MW-2	11/21/15	6504.34	ND	36.20		6468.14
MW-2	04/14/16	6504.34	ND	35.91		6468.43
MW-2 abandoned on May 22, 2016						
MW-2R	05/15/18	6503.35	ND	35.60		6467.75
MW-2R	10/27/18	6503.35	ND	36.18		6467.17
MW-2R	05/21/19	6503.35	ND	35.92		6467.43
MW-2R	11/10/19	6503.35	ND	36.36		6466.99
MW-2R	05/11/20	6503.35	36.29	36.30	0.01	6467.05
MW-2R	08/19/20	6503.35	36.50	36.50	<0.01	6466.85
MW-2R	11/12/20	6503.35	ND	36.62		6466.73
MW-2R	03/18/21	6503.35	36.65	36.65	<0.01	6466.70
MW-2R	05/19/21	6503.35	ND	36.63		6466.72
MW-2R	09/18/21	6503.35	ND	36.84		6466.51
MW-2R	11/11/21	6503.35	ND	36.85		6466.50
MW-2R	03/21/22	6503.35	36.34	36.35	0.01	6467.00
MW-2R	05/22/22	6503.35	ND	36.82		6466.53
MW-2R	08/01/22	6503.35	36.98	36.99	0.01	6466.36
MW-2R	11/06/22	6503.35	ND	36.78		6466.57
MW-3	11/16/00	6503.67	NR	34.46		6469.21
MW-3	06/04/01	6503.67	NR	34.64		6469.03
MW-3	07/03/01	6503.67	NR	34.66		6469.01
MW-3	08/06/01	6503.67	NR	34.74		6468.93
MW-3	08/31/01	6503.67	NR	34.79		6468.88
MW-3	09/14/01	6503.67	NR	34.81		6468.86
MW-3	03/19/02	6503.67	NR	34.92		6468.75
MW-3	06/10/02	6503.67	NR	34.98		6468.69
MW-3	09/23/02	6503.67	NR	35.11		6468.56
MW-3	12/24/02	6503.67	NR	35.15		6468.52
MW-3	03/25/03	6503.67	ND	35.12		6468.55
MW-3	06/22/03	6503.67	ND	35.17		6468.50
MW-3	09/15/03	6503.67	ND	35.41		6468.26

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	12/15/03	6503.67	ND	35.17		6468.50
MW-3	03/22/04	6503.67	ND	34.95		6468.72
MW-3	06/04/04	6503.67	ND	34.88		6468.79
MW-3	09/14/04	6503.67	ND	35.39		6468.28
MW-3	12/15/04	6503.67	ND	35.17		6468.50
MW-3	03/22/05	6503.67	ND	35.17		6468.50
MW-3	06/24/05	6503.67	ND	35.21		6468.46
MW-3	09/14/05	6503.67	ND	35.51		6468.16
MW-3	12/15/05	6503.67	ND	35.40		6468.27
MW-3	03/28/06	6503.67	ND	35.27		6468.40
MW-3	06/07/06	6503.67	ND	35.32		6468.35
MW-3	09/29/06	6503.67	ND	35.47		6468.20
MW-3	12/26/06	6503.67	ND	35.16		6468.51
MW-3	03/26/07	6503.67	ND	34.96		6468.71
MW-3	06/13/07	6503.67	ND	34.88		6468.79
MW-3	09/28/07	6503.67	ND	35.51		6468.16
MW-3	12/18/07	6503.67	ND	34.88		6468.79
MW-3	03/05/08	6503.67	ND	34.79		6468.88
MW-3	06/16/08	6503.67	ND	34.75		6468.92
MW-3	09/10/08	6503.67	ND	35.13		6468.54
MW-3	12/10/08	6503.67	ND	34.95		6468.72
MW-3	03/02/09	6503.67	ND	34.83		6468.84
MW-3	06/10/09	6503.67	ND	34.83		6468.84
MW-3	08/25/09	6503.67	ND	35.18		6468.49
MW-3	11/03/09	6503.67	ND	35.23		6468.44
MW-3	02/16/10	6503.67	ND	35.23		6468.44
MW-3	06/02/10	6503.67	ND	35.05		6468.62
MW-3	09/27/10	6503.67	ND	35.43		6468.24
MW-3	11/08/10	6503.67	ND	35.43		6468.24
MW-3	02/01/11	6503.67	ND	35.31		6468.36
MW-3	09/23/11	6503.67	ND	35.70		6467.97
MW-3	11/10/11	6503.67	ND	35.66		6468.01
MW-3	02/22/12	6503.67	ND	35.60		6468.07
MW-3	05/15/12	6503.67	ND	35.67		6468.00
MW-3	06/05/13	6503.67	ND	35.79		6467.88
MW-3	09/10/13	6503.67	ND	36.20		6467.47
MW-3	12/10/13	6503.67	ND	36.00		6467.67
MW-3	04/04/14	6503.67	ND	35.81		6467.86
MW-3	10/22/14	6503.67	ND	36.20		6467.47
MW-3	05/28/15	6503.67	ND	35.55		6468.12

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	11/21/15	6503.67	ND	35.74		6467.93
MW-3	04/14/16	6503.67	ND	35.46		6468.21
MW-3 abandoned on May 22, 2016						
MW-3R	05/15/18	6498.85	ND	31.28		6467.57
MW-3R	10/27/18	6498.85	ND	31.84		6467.01
MW-3R	05/21/19	6498.85	ND	31.60		6467.25
MW-3R	11/10/19	6498.85	ND	32.02		6466.83
MW-3R	05/11/20	6498.85	ND	31.99		6466.86
MW-3R	11/12/20	6498.85	ND	32.29		6466.56
MW-3R	05/19/21	6498.85	ND	32.32		6466.53
MW-3R	09/18/21	6498.85	ND	33.52		6465.33
MW-3R	11/11/21	6498.85	ND	32.52		6466.33
MW-3R	05/22/22	6498.85	ND	32.50		6466.35
MW-3R	11/06/22	6498.85	ND	32.45		6466.40
MW-4	05/15/18	6507.17	39.16	39.16	<0.01	6468.01
MW-4	07/16/18	6507.17	39.44	40.60	1.16	6467.44
MW-4	10/18/18	6507.17	39.63	40.82	1.19	6467.24
MW-4	10/27/18	6507.17	ND	39.92		6467.25
MW-4	05/21/19	6507.17	39.60	39.60	<0.01	6467.57
MW-4	11/10/19	6507.17	39.92	40.62	<0.02	6468.57
MW-4	08/19/20	6507.17	40.16	40.36	0.20	6466.96
MW-4	05/11/20	6507.17	39.91	40.40	0.49	6467.14
MW-4	11/12/20	6507.17	40.10	41.13	1.03	6466.81
MW-4	03/18/21	6507.17	39.42	40.17	0.75	6467.56
MW-4	05/19/21	6507.17	40.13	41.11	0.98	6466.80
MW-4	09/18/21	6507.17	40.29	41.43	1.14	6466.60
MW-4	11/11/21	6507.17	40.32	41.44	1.12	6466.57
MW-4	03/21/22	6507.17	40.24	41.22	0.98	6466.69
MW-4	05/22/22	6505.17	38.29	39.30	1.01	6466.63
MW-4	08/01/22	6505.17	38.40	39.55	1.15	6466.48
MW-4	11/06/22	6505.17	38.28	39.16	0.88	6466.67
MW-5	05/15/18	6503.72	ND	35.89		6467.83
MW-5	10/27/18	6503.72	ND	36.45		6467.27
MW-5	05/21/19	6503.72	ND	36.20		6467.52
MW-5	11/10/19	6503.72	ND	36.60		6467.12
MW-5	05/11/20	6503.72	ND	36.58		6467.14
MW-5	11/12/20	6503.72	ND	36.90		6466.82
MW-5	05/19/21	6503.72	ND	36.92		6466.80

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	09/18/21	6503.72	ND	37.12		6466.60
MW-5	11/11/21	6503.72	ND	37.12		6466.60
MW-5	05/22/22	6503.72	ND	37.09		6466.63
MW-5	11/06/22	6503.72	ND	37.06		6466.66
MW-6	05/15/18	6504.29	ND	36.41		6467.88
MW-6	10/27/18	6504.29	ND	36.98		6467.31
MW-6	05/21/19	6504.29	ND	36.74		6467.55
MW-6	11/10/19	6504.29	ND	37.11		6467.18
MW-6	05/11/20	6504.29	ND	37.10		6467.19
MW-6	11/12/20	6504.29	ND	37.42		6466.87
MW-6	05/19/21	6504.29	ND	37.42		6466.87
MW-6	09/18/21	6504.29	ND	37.64		6466.65
MW-6	11/11/21	6504.29	ND	37.65		6466.64
MW-6	05/22/22	6504.29	ND	37.61		6466.68
MW-6	11/06/22	6504.29	ND	37.58		6466.71
MW-7	05/15/18	6504.59	ND	36.71		6467.88
MW-7	10/27/18	6504.59	ND	37.28		6467.31
MW-7	05/21/19	6504.59	ND	37.03		6467.56
MW-7	11/10/19	6504.59	ND	37.43		6467.16
MW-7	05/11/20	6504.59	ND	37.40		6467.19
MW-7	11/12/20	6504.59	ND	37.71		6466.88
MW-7	05/19/21	6504.59	ND	37.73		6466.86
MW-7	09/18/21	6504.59	ND	37.94		6466.65
MW-7	11/11/21	6504.59	ND	37.95		6466.64
MW-7	05/22/22	6504.59	ND	37.91		6466.68
MW-7	11/06/22	6504.59	ND	37.88		6466.71
MW-8	11/10/19	6508.27	ND	41.21		6467.06
MW-8	05/11/20	6508.27	ND	41.17		6467.10
MW-8	11/12/20	6508.27	ND	41.46		6466.81
MW-8	05/19/21	6508.27	ND	41.48		6466.79
MW-8	09/18/21	6508.27	ND	41.67		6466.60
MW-8	11/11/21	6508.27	ND	41.70		6466.57
MW-8	05/22/22	6508.27	ND	41.65		6466.62
MW-8	11/06/22	6508.27	ND	41.60		6466.67
MW-9	11/10/19	6503.86	36.72	37.45	0.73	6466.96
MW-9	05/11/20	6503.86	36.66	37.30	0.64	6467.04
MW-9	08/19/20	6503.86	36.87	37.57	0.70	6466.81
MW-9	11/12/20	6503.86	36.98	37.67	0.69	6466.71

TABLE 3- GROUNDWATER ELEVATION RESULTS

Canada Mesa #2						
Location	**Date**	**TOC**	**Depth to LNAPL (ft.)**	**Depth to Water (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
MW-9	03/18/21	6503.86	37.07	37.49	0.42	6466.68
MW-9	05/19/21	6503.86	37.04	37.46	0.42	6466.71
MW-9	09/18/21	6503.86	37.21	37.75	0.54	6466.51
MW-9	11/11/21	6503.86	37.24	37.74	0.50	6466.49
MW-9	03/21/22	6503.86	37.18	37.47	0.29	6466.61
MW-9	05/22/22	6501.81	35.20	35.56	0.36	6466.52
MW-9	08/01/22	6501.81	35.35	35.70	0.35	6466.37
MW-9	11/06/22	6501.81	35.19	35.39	0.20	6466.57
MW-10	05/22/22	6506.23	ND	39.68		6466.55
MW-10	11/06/22	6506.23	ND	39.63		6466.60
MW-11	05/22/22	6503.08	ND	36.82		6466.26
MW-11	11/06/22	6503.08	ND	36.75		6466.33

Notes:
"ft" = feet
"TOC" = Top of casing
"LNAPL" = Light non-aqueous phase liquid
"ND" = LNAPL not detected
"NR" = LNAPL not recorded
"NM" = Not Measured (Free Product thickness determined from bailer thickness)Groundwater elevation = Top of Casing elevation (TOC, ft) - Depth to Water [ft] + (LPH thickness [ft] x 0.75). A specific gravity of 0.75 is within the range of gas condensate (https://www.sciencedirect.com/topics/earth-and-planetary-sciences/gas-condensate)

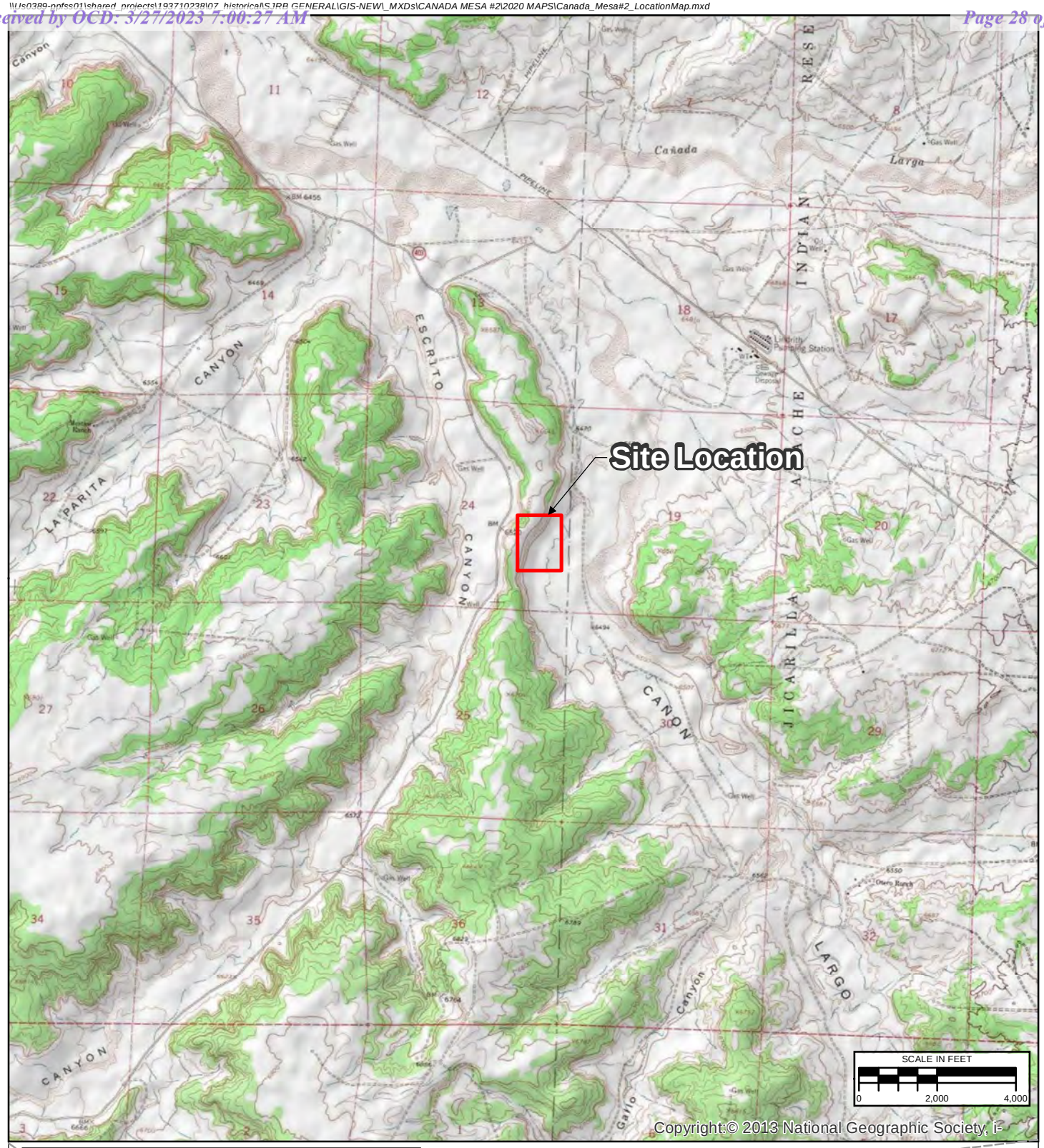
TABLE 4 - SOIL ANALYTICAL RESULTS

Canada Mesa #2											
Location (depth in feet bgs)	**Date (mm/dd/yy)**	**Benzene (mg/kg)**	**Toluene (mg/kg)**	**Ethylbenzene (mg/kg)**	**Total Xylenes (mg/kg)**	**BTEX Total (mg/kg)**	**GRO C6-10 (mg/kg)**	**DRO C10-28 (mg/kg)**	**MRO C28-35 (mg/kg)**	**TPH (mg/kg)**	**Chloride (mg/kg)**
	NMOCD Criteria:	10	NE	NE	NE	50	NE	NE	NE	100	600
MW-2R (32-33)	04/05/18	0.38	8.1	31	240	**280**	2200	400	6.1	**2606**	170
MW-3R (12-12.7)	04/04/18	BRL	6.3	21	480	**507**	5500	5100	11	**10611**	**740**
MW-3R (25-26)	04/04/18	BRL	BRL	BRL	BRL	BRL	BRL	23	BRL	23	430
MW-4 (35-36)	04/04/18	BRL	0.77	2.0	13	16	280	9.4	BRL	**289**	**1400**
MW-5 (30.2-31.2)	04/05/18	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	56
MW-6 (32-33)	04/03/18	BRL	BRL	0.78	2.8	3.6	180	76	BRL	**256**	250
MW-7 (32-33)	04/03/18	BRL	BRL	0.08	BRL	0.1	16	6.6	BRL	23	260
MW-8 (36-37)	07/18/19	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW-9 (33-34)	07/19/19	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW-10 (38-39)	04/12/22	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW-11 (17-18)	04/13/22	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	160
SB-1 (17.3-18.3)	04/05/18	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	97
SB-1 (22-23)	04/05/18	BRL	BRL	0.072	1.1	1.2	34	31	BRL	65	240
SB-1 (29-30)	04/05/18	0.37	4.9	2.3	65	**72.6**	620	49	BRL	**669**	**710**
SB-2 (37-38)	07/17/19	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SB-3 (31-32)	07/17/19	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SB-4 (10-11)	07/17/19	BRL	160	54	760	**974**	6600	1400	6.9	**8007**	160
SB-5 (24-25)	07/18/19	BRL	BRL	0.39	7.9	8.3	1500	870	BRL	**2370**	BRL
SB-5 (28-29)	07/18/19	BRL	21	18	190	**229**	3100	1200	BRL	**4300**	BRL

Notes:

mg/kg	Milligrams per kilogram
BRL	Below Reporting Limits
NE	New Mexico Oil Conservation Division (NMOCD) Standard Not Established
BTEX	Benzene, toluene, ethylbenzene, xylenes
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
Total BTEX	Sum of the detectable concentrations of individual BTEX constituents
TPH	Total Petroleum Hydrocarbon concentration is calculated by adding the detectable concentrations of GRO, DRO, and MRO and rounded to the nearest mg/kg.
NMOCD Criteria	New Mexico Oil Conservation Division closure criteria for groundwater ≤50 feet below bottom of pit to groundwater less than 10,000 mg/L TDS Results bolded and highlighted yellow exceed their respective NMOCD Standards

FIGURES



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/15/2021	SAH	SAH	SRV

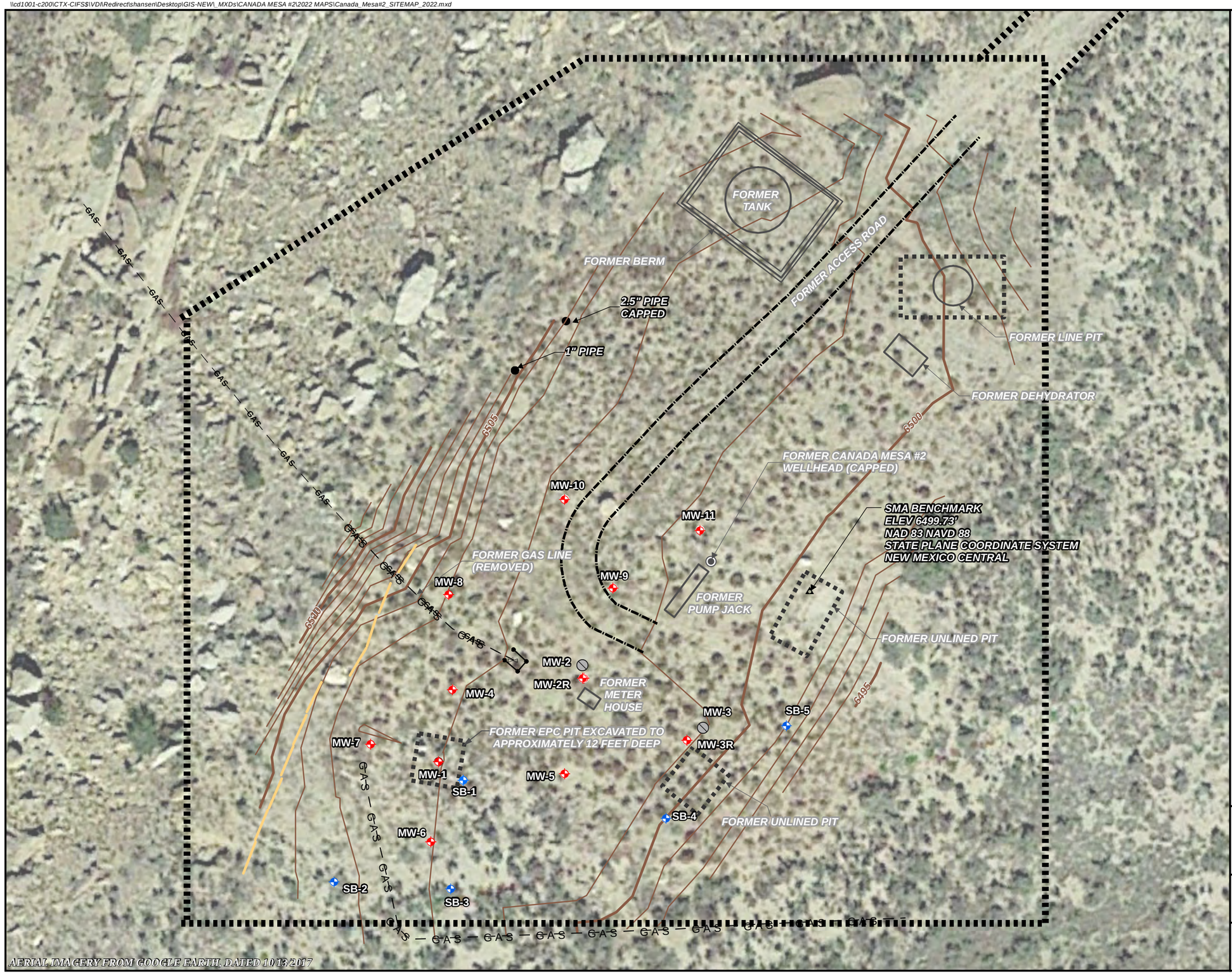
TITLE
SITE LOCATION

Stantec

PROJECT
CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

FIGURE
1

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\CANADA MESA #2\2022 MAPS\Canada_Mesa#2_SITEMAP_2022.mxd



AERIAL IMAGERY FROM GOOGLE EARTH, DATED 10/13/2017

LEGEND:

- 6505 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- BARRICADE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- SOIL BORING
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- PIPE
- FENCING
- FORMER WELLHEAD
- FORMER UNLINED PIT
- FORMER FEATURES
- RIGHT OF WAY BOUNDARY

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-02-27	SLG	SLG	SRV

TITLE:

SITE PLAN

PROJECT:

CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 2

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\CANADA MESA #2\2022 MAPS\Canada_Mesa#2_GARM_1SA_2022.mxd

LEGEND:

- 6505 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- BARRICADE
- G-A-S — NATURAL GAS LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- PIPE
- FENCING
- FORMER WELLHEAD
- FORMER UNLINED PIT
- FORMER FEATURES

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2022-06-10	SAH	SAH	SRV

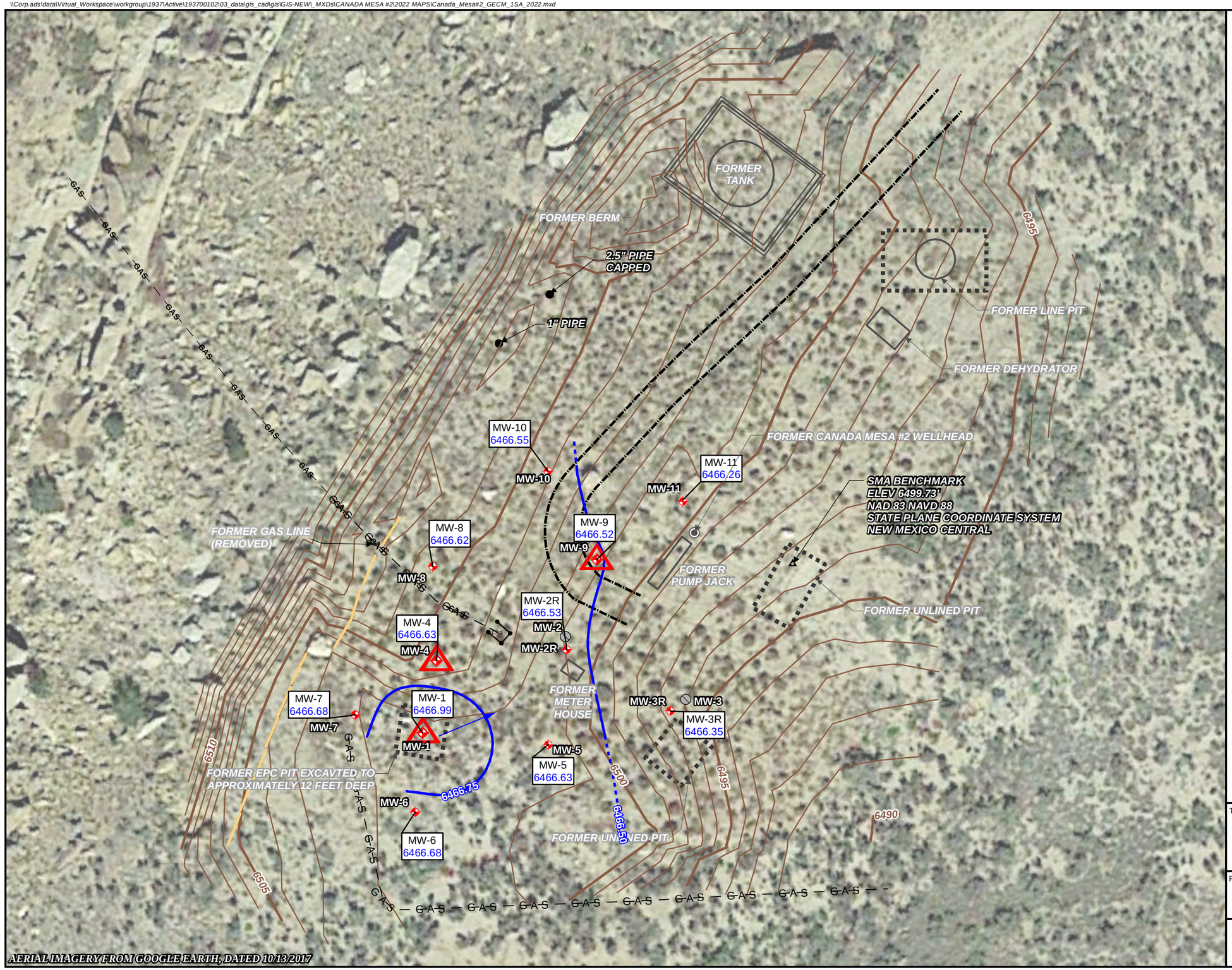
TITLE:
GROUNDWATER ANALYTICAL RESULTS
***MAY** 22, 2022*

PROJECT:
CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 3

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\CANADA MESA #2\2022 MAPS\Canada_Mesa#2_GECM_1SA_2022.mxd



LEGEND:

- 6503 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- BARRICADE
- G-A-S — NATURAL GAS LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- PIPE
- FENCING
- FORMER WELLHEAD
- FORMER UNLINED PIT
- FORMER FEATURES

NOTES:

6468.15 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-06-10	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 22, 2022

PROJECT:

CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\CANADA MESA #2\2022 MAPS\Canada_Mesa#2_GARM_2SA_2022.mxd

FORMER TANK

FORMER BERM

FORMER ACCESS ROAD

2.5" PIPE CAPPED

1" PIPE

FORMER LINE PIT

FORMER DEHYDRATOR

6495

GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS

MW-10
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-10

MW-11
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-11

FORMER CANADA MESA #2 WELLHEAD (CAPPED)

SMA BENCHMARK
ELEV 6499.73'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO CENTRAL

FORMER GAS LINE (REMOVED)

MW-9
NS

MW-9

FORMER PUMP JACK

MW-8

MW-8
B: 2.2
T: <1.0
E: 2.3
X: <10

DUP-01
B: 2.4
T: <1.0
E: 2.4
X: <10

MW-2R
B: <1.0
T: <1.0
E: <1.0
X: <10

FORMER UNLINED PIT

MW-2

MW-4
NS

MW-4

MW-2R

FORMER METER HOUSE

MW-3R
B: <1.0
T: <1.0
E: <1.0
X: <10

6495

MW-7

MW-7
NS

MW-1
B: 45
T: 180
E: 120
X: 730

MW-1

FORMER EPC PIT EXCAVATED TO APPROXIMATELY 12 FEET DEEP

MW-3R

MW-5

MW-5
B: <1.0
T: <1.0
E: <1.0
X: <10

6500

FORMER UNLINED PIT

6510

MW-6

MW-6
NS

6490

6505

GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS — GAS

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 10/13/2017

LEGEND:

- 6505 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- BARRICADE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- PIPE
- FENCING
- FORMER WELLHEAD
- FORMER UNLINED PIT
- FORMER FEATURES

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2022-12-02	SAH	SAH	SRV

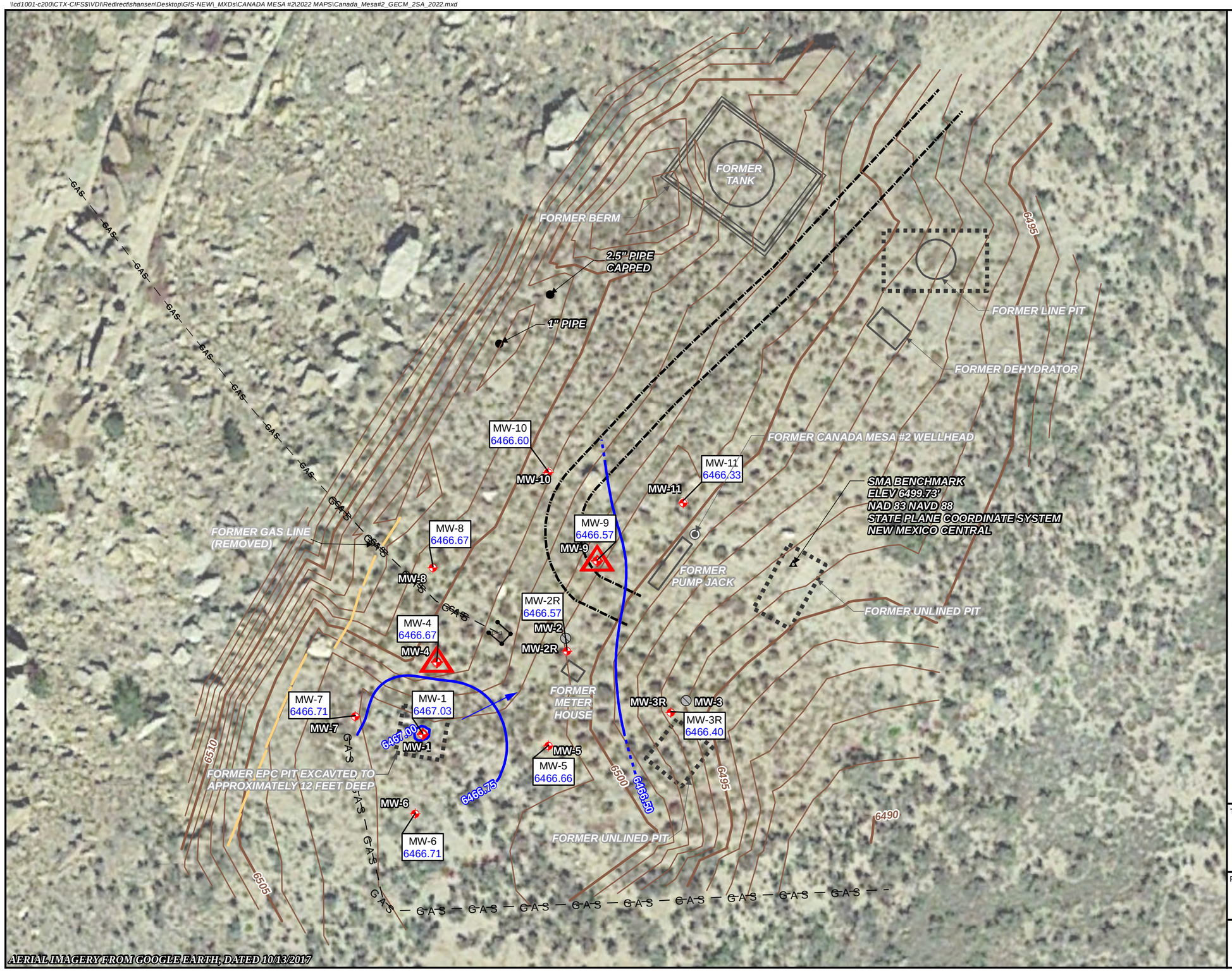
TITLE:
GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 6, 2022

PROJECT:
CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 5

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\CANADA MESA #2\2022 MAPS\Canada_Mesa#2_GECM_2SA_2022.mxd



LEGEND:

- 6503 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- BARRICADE
- G A S — NATURAL GAS LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- PIPE
- FENCING
- FORMER WELLHEAD
- FORMER UNLINED PIT
- FORMER FEATURES

NOTES:

6468.15 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-12-02	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 6, 2022

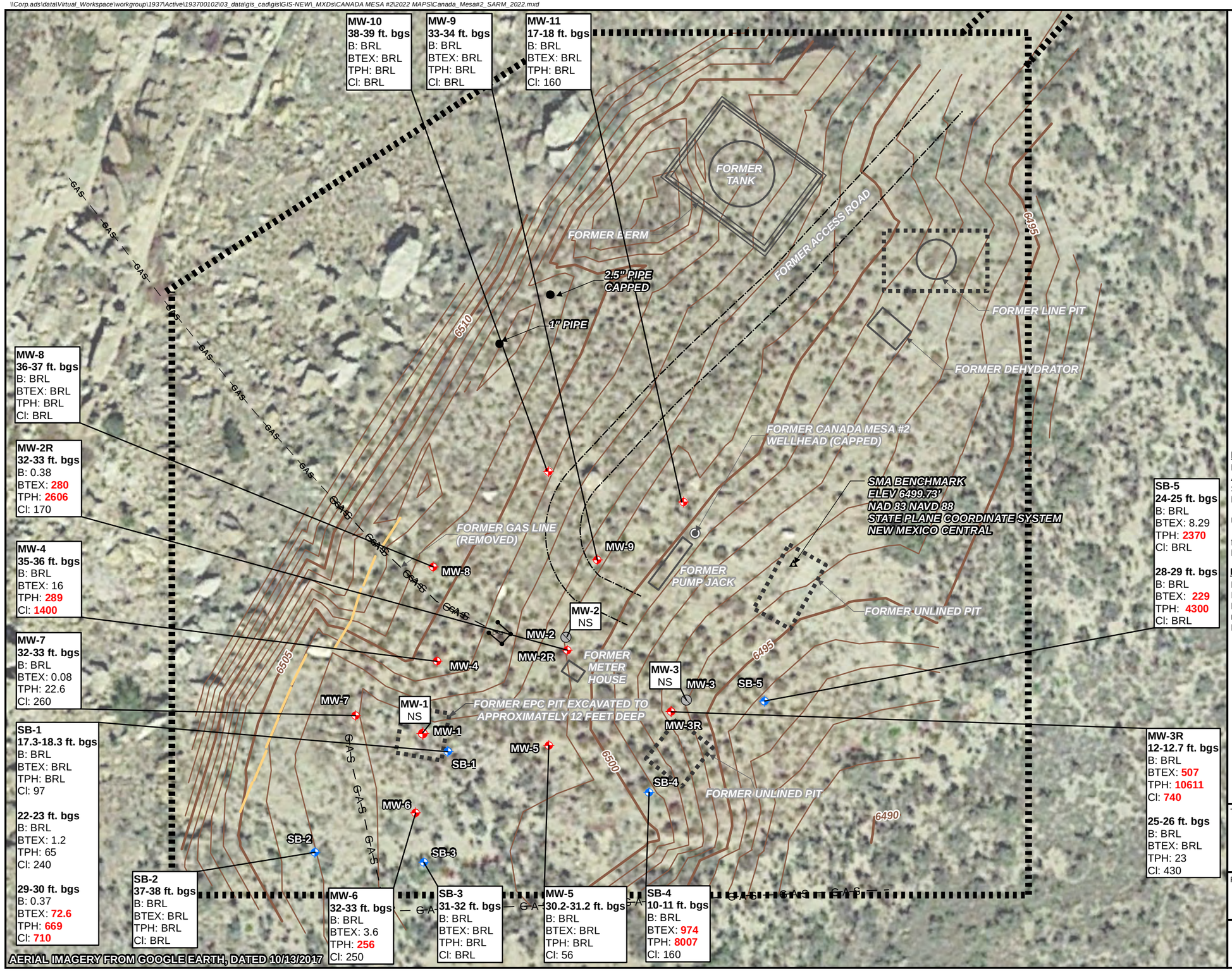
PROJECT:

CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 6

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\CANADA MESA #2\2022 MAPS\Canada_Mesa#2_SARM_2022.mxd



LEGEND:

- 6503 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- RIGHT OF WAY BOUNDARY
- BARRICADE
- G-A-S — NATURAL GAS LINE
- FORMER UNLINED PIT
- FORMER FEATURES
- MONITORING WELL
- SOIL BORING
- ABANDONED MONITORING WELL
- SMA BENCHMARK
- 2" PIPE
- T-POST
- GAS RISER
- FORMER WELLHEAD

NOTES:

MW-6 AND MW-7 SAMPLES COLLECTED ON 4/3/2018; MW-3R AND MW-4 4/4/2018; MW-2R, MW-5 AND SB-1 4/5/2018; SB-2, SB-3 AND SB-4 7/17/2019; SB-5 AND MW-8 7/18/2019; MW-9 7/19/2019; MW-10 4/12/2022; MW-11 4/13/2022.

UTILITY LOCATIONS ARE APPROXIMATE.

ft. bgs = FEET BELOW GROUND SURFACE
NS = NOT SAMPLED

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE**/RED TYPE INDICATE CONCENTRATION IN EXCESS OF APPLICABLE NEW MEXICO OIL CONSERVATION DIVISION SOIL CRITERIA FOR THAT ANALYTE.
mg/kg = MILLIGRAM/KILOGRAM
BRL = BELOW REPORTING LIMITS

ANALYTE	NMOCD STANDARDS
B = Benzene	10 mg/kg
BTEX = Benzene, toluene, ethylbenzene, xylenes	50 mg/kg
TPH = Total Petroleum Hydrocarbons	100 mg/kg
Cl = Chloride	600 mg/kg

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2022-06-10	SLG	SLG	SRV

TITLE:

SOIL ANALYTICAL RESULTS

PROJECT:
CANADA MESA #2
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 7

APPENDICES

APPENDIX A

From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Tuesday, March 15, 2022 5:10:25 PM

Hi Cory -

This correspondence is to provide notice to the NMOCD of upcoming quarterly product recovery activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	3/21/2022
Fields A#7A	nAUTOfAB000176	3/22/2022
Fogelson 4-1	nAUTOfAB000192	3/22/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	3/21/2022
James F. Bell #1E	nAUTOfAB000291	3/22/2022
Johnston Fed #4	nAUTOfAB000305	3/23/2022
Johnston Fed #6A	nAUTOfAB000309	3/23/2022
K27 LDO72	nAUTOfAB000316	3/21/2022
Knight #1	nAUTOfAB000324	3/22/2022
Lateral L 40 Line Drip	nAUTOfAB000335	3/23/2022
State Gas Com N #1	nAUTOfAB000668	3/22/2022

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11313 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: Canada Mesa #2 (Incident Number nAUTOfAB000065) - Notice of upcoming sampling activities
Date: Wednesday, April 6, 2022 5:26:37 PM

Hi Nelson –

This correspondence is to provide notice to the NMOCD of planned monitoring well installation activities at the above-referenced El Paso site. The well installation activities are to begin on April 11, 2022, and will conclude by the end of the week. A work plan for these activities was submitted in the e-permitting portal.

Please feel free to contact Joe Wiley, Project Manager at El Paso, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
Note – we have moved!
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: FW: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, May 12, 2022 8:33:41 AM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming semi-annual groundwater sampling and monitoring activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	5/21/2022
Fields A#7A	nAUTOfAB000176	5/22/2022
Fogelson 4-1	nAUTOfAB000192	5/22/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/19/2022
GCU Com A #142E	nAUTOfAB000219	5/19/2022
James F. Bell #1E	nAUTOfAB000291	5/18/2022
Johnston Fed #4	nAUTOfAB000305	5/20/2022
Johnston Fed #6A	nAUTOfAB000309	5/20/2022
K27 LDO72	nAUTOfAB000316	5/21/2022
Knight #1	nAUTOfAB000324	5/19/2022
Lateral L 40 Line Drip	nAUTOfAB000335	5/18/2022
Miles Fed #1A	nAUTOfAB000391	5/21/2022
Sandoval GC A #1A	nAUTOfAB000635	5/20/2022
Standard Oil Com #1	nAUTOfAB000666	5/21/2022
State Gas Com N #1	nAUTOfAB000668	5/22/2022

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Monday, July 18, 2022 3:30:01 PM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming quarterly product recovery activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	7/30/2022
Fields A#7A	nAUTOfAB000176	8/01/2022
Fogelson 4-1	nAUTOfAB000192	8/01/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	7/30/2022
Johnston Fed #4	nAUTOfAB000305	7/29/2022
Johnston Fed #6A	nAUTOfAB000309	7/29/2022
K27 LDO72	nAUTOfAB000316	7/30/2022
Knight #1	nAUTOfAB000324	8/01/2022
State Gas Com N #1	nAUTOfAB000668	8/01/2022

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11313 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, October 26, 2022 3:13:50 PM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming semi-annual groundwater sampling and monitoring activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	11/6/2022
Fields A#7A	nAUTOfAB000176	10/31/2022
Fogelson 4-1	nAUTOfAB000192	10/30/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/3/2022
GCU Com A #142E	nAUTOfAB000219	11/2/2022
James F. Bell #1E	nAUTOfAB000291	11/4/2022
Johnston Fed #4	nAUTOfAB000305	11/5/2022
Johnston Fed #6A	nAUTOfAB000309	11/5/2022
K27 LDO72	nAUTOfAB000316	11/6/2022
Knight #1	nAUTOfAB000324	11/4/2022
Lateral L 40 Line Drip	nAUTOfAB000335	10/30/2022
Sandoval GC A #1A	nAUTOfAB000635	11/5/2022
Standard Oil Com #1	nAUTOfAB000666	11/6/2022
State Gas Com N #1	nAUTOfAB000668	11/1/2022

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Saturday, October 29, 2022.

Please feel free to contact Joe Wiley, Project Manager at EPCGP, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

APPENDIX B

Drilling Log

Stantec

Monitoring Well **MW-10**

Page: 1 of 2

Project *Canada Mesa #2* Owner *El Paso CGP Company, LLC*

Location *Rio Arriba County, New Mexico* Project Number *193708849*

Surface Elev. *6504.42 ft* North *NA* East *NA*

Top of Casing *6506.23 ft* Water Level Initial ▽ *6461.418* 04/12/22 00:00 Static ▼ *6466.968* 04/14/22 00:00

Hole Depth *55.0 ft* Screen: Diameter *2 in* Length *20.0 ft* Type/Size *Schedule 40/0.01 in*

Hole Diameter *8.25 in* Casing: Diameter *2 in* Length *32.2 ft* Type *Scheduile 40*

Drill Co. *Cascade* Drilling Method *Hollow-Stem Auger* Sand Pack *20/40*

Driller *Brendon Remillard* Driller Reg. # *WD-1664* Log By *Rob Malcomson*

Start Date *4/12/2022* Completion Date *4/12/2022* Checked By *S. Varsa*

COMMENTS
0-5' hand-augered. A 5' sampler was used below the extent of hand-augering. These 5' runs were subdivided to indicate the zones of recovery and non-recovery.

Bentonite Chips | Bentonite Granules | Grout | Bentonite Pellets | Sand Pack | PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0	0.0	100%			SM	0-5' hand-augered. (Sand, silty, yellow/brown, dry, loose, fine-grained).	
	0.0						
	0.0						
	0.0						
5	0.0						
	0.0	100%			SM	Sand and silt, with clay, yellow/brown, dry, loose to medium dense, trace caliche 7-8', fine-grained.	
	0.1						
	0.1						
	NR	0%				No recovery.	
10	NR					No recovery.	
	NR	0%					
	0.0	100%			SM	Sand, silty, some clay 13-15', tan/brown, dry, loose to medium dense.	
	0.3						
	0.2						
15	NR	0%				No recovery.	
	NR						
	0.0	100%			ML	Silt, clayey, brown/tan, dry, medium stiff to stiff, some caliche from 17-18'.	
	0.1					Weathered sandstone, with clay, orangish brown to brown, dry, some caliche, fractured.	
	0.1						
20	0.0	0%				No recovery.	
	NR						
	0.0	100%			CL ML	Clay, silty with fine sand, gray and orangish brown becoming olive-brown with depth, dry, medium stiff to very stiff, trace caliche.	
	0.1						
	0.2				SM	Sand, silty with some clay, dry, medium dense.	
25	NR				SM	Sand, silty, tan to yellowish-tan, some dark orange mottling, dry, loose to medium dense,	
	NR	0%				No recovery.	
	0.0	100%				Weathered sandstone, tan, dry, weakly cemented.	
	0.1				CL	Clay, sandy, yellowish-brown, dry to damp, medium stiff,	
	0.1						
30							

Continued Next Page

Drilling Log CANADA MESA #2 LOGS.GPJ MWH IA.GDT 5/31/22

Drilling Log

Stantec

Monitoring Well **MW-10**

Page: 2 of 2

Project *Canada Mesa #2* Owner *El Paso CGP Company, LLC*

Location *Rio Arriba County, New Mexico* Project Number *193708849*

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
						Continued	
30	NR					No recovery. Driller notes hydrocarbon odor.	
	NR	0%					
	0.0					Clay, sandy, silty, olive-brown, damp, medium stiff to stiff.	
	0.1				CL		
	0.4	100%				Weathered sandstone, orangish-brown, dry.	
35	NR					No recovery.	
	NR						
	NR	0%					
	9.8 *					Weathered sandstone, with clay layers, orangish-brown and gray, damp to moist. *Sample collected: MW-10 38-39'.	
	165 *	100%			SM	Sand, silty, dark olive-green and gray, black, damp to moist, dense, fine-grained, hydrocarbon odor.	
40	NR					No recovery.	
	NR						
	NR	0%					
	NR					Weathered sandstone, grayish- to orangish-brown, wet, fine-grained, no hydrocarbon odor.	
	0.1	100%					
45	0.1				SC	Sand, clayey, gray/brown, wet, loose to medium dense, no hydrocarbon odor.	
	NR	0%				No recovery.	
	NR						
	0.1					Sand, clayey, olive-gray and brown with trace orange, wet, dense.	
	0.0	100%			SC		
50	NM					No recovery. Clay, dark gray, dry, stiff (auger cuttings).	
	NM						
	NM				CL		
	NM						
	NM						
	NM						
55	NM					End of boring = 55'. Well set at 50'.	
60							
65							
70							

Drilling Log CANADA MESA #2 LOGS.GPJ MWH IA.GDT 5/31/22

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 11	MW-10	SJ-4279

WELL OWNER NAME(S)	PHONE (OPTIONAL)
El Paso CGP Company, LLC	713-420-3475

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
1001 Louisiana Street Room 1445B	Houston	TX	77002

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	36	17	45.888	N
	LONGITUDE	-107	24	50.6448	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE, SE, Section 24, Township 24N, Range 6W Rio Arriba County, NM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1664	Shawn Cain	Cascade Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/12/22	4/12/22	50	50.5	39

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 37.5

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: HSA

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	50.5	8	Sch 40 PVC Blank 0-30'	Flush Thread	2.375	.154	
			Sch 40 PVC Screen 30-50'	Flush Thread	2.375	.154	.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	1.5	8	Concrete	2.5	Pour
1.5	25	8	Cement/Bentonite Grout	12	Tremie Pumped
25	28	8	3/8" Chips	1.5	Pour
28	50.5	8	20/40 Sand	15	Pour

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	21	21	Silty Sands	Y ✔ N	
21	50.5	29.5	cemented sand stone	✔ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☑ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Brendon Remillard

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Shawn Cain — 5/20/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

Drilling Log

Stantec

Monitoring Well **MW-11**

Page: 1 of 2

Project *Canada Mesa #2* Client *El Paso CGP Company, LLC*

Location *Rio Arriba County, New Mexico* Project Number *193708849*

Surface Elev. *6501.07 ft* North *NA* East *NA*

Top of Casing *6503.08 ft* Water Level Initial ▽*(37.01)* 04/13/22 00:00 Static ▼*(37.01)* 04/14/22 00:00

Hole Depth *47.0 ft* Screen: Diameter *2 in* Length *20.0 ft* Type/Size *Schedule 40/0.01 in*

Hole Diameter *8.25 in* Casing: Diameter *2 in* Length *28.9 ft* Type *Schedule 40*

Drill Co. *Cascade* Drilling Method *Hollow-Stem Auger* Sand Pack *10/20*

Driller *Brendon Remillard* Driller Reg. # *WD-1664* Log By *Rob Malcomson*

Start Date *4/13/2022* Completion Date *4/14/2022* Checked By *S. Varsa*

COMMENTS
0-5' hand-augered. A 5' sampler was used below the extent of hand-augering. These 5' runs were subdivided to indicate the zones of recovery and non-recovery.

Bentonite Grout | Bentonite Granules | Grout | Portland Cement | Sand Pack | Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0							
	0.0	100%			ML	0-5' hand-augered. (Silt, sandy, brown, medium stiff).	
	0.0						
	0.0						
	0.0						
5	NR					No recovery.	
	0.0	0%			ML	Silt, sandy, brown/gray, dry, medium stiff, trace caliche, fine-grained sand becoming medium with depth.	
	0.0						
	0.0	100%					
	0.5						
10	NR					No recovery.	
	0.7	0%			ML SM	Silt to silty sand, clayey, brown/gray, dry, soft/loose to medium dense, 2-3" rounded cobbles at 13', no hydrocarbon odor.	
	0.4						
	0.4	100%					
	0.2						
15	NR					No recovery.	
	0.1	0%			SC	Sand, clayey, brown, dry, loose to medium dense, no hydrocarbon odor. *Sample collected: MW-11 17-18'.	
	0.8 *						
	0.3	100%					
	0.4				CL	Clay, medium olive-brown, dry, dense, no bedding.	
20	NR				SP	Sand, tan, dry, loose, fine-grained. No recovery. Driller reported sandstone at 21'.	
	NR	0%					
	NR						
	NR						
	NR					Weathered sandstone, grayish- and orangish-brown, dry, hard, poorly-sorted. No recovery.	
25	0.0	100%					
	NR						
	NR	0%					
	0.0				SC	Sand, clayey, brown, dry, medium dense.	
	0.1	100%				Weathered sandstone, tan, dry, somewhat lithified.	
30							

Continued Next Page

Drilling Log CANADA MESA #2 LOGS.GPJ MWH IA.GDT 2/27/23

Drilling Log

Stantec

Monitoring Well **MW-11**

Page: 2 of 2

Project *Canada Mesa #2* Client *El Paso CGP Company, LLC*

Location *Rio Arriba County, New Mexico* Project Number *193708849*

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
						Continued	
30	0.0					No recovery.	
	NR	0%					
	NR					Weathered sandstone w/thin clay layer, sandstone is tan, brown, and orangish-brown, clay is orangish-brown; dry, weakly cemented, poorly-sorted.	
	0.0	100%					
	0.0						
35 ▽	0.0				SP	Sand, black, loose, damp to saturated, medium-grained.	
	0.0	100%			CL	Clay, gray/dark brown, damp, some yellowish-brown mottling.	
	0.0				CL	Clay, dark brown, dry to damp, hard, somewhat bedded.	
	0.0						
	0.0				SC	Sand, clayey, olive-brown, damp, dense, fine-grained.	
	0.0				CL	Clay, minor sand, olive-brown, damp, stiff, some small shale fragments.	
40	0.0					No recovery.	
	NR	0%					
	NR					Clay, sandy, gray/olive, trace orange, damp, very stiff to hard.	
	0.0	100%			CL		
	0.9					Weathered sandstone, dark orange/brown, weakly to strongly cemented, fine-grained.	
45	0.4				SW	Sand, yellowish-brown, damp, medium dense, fine to medium-grained.	
	NM	100%				Not logged.	
	NM						
50						End of boring = 47'. Well set at 47'.	
55							
60							
65							
70							

Drilling Log CANADA MESA #2 LOGS.GPJ MWH IA.GDT 2/27/23

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 12	MW-11	SJ-4279

WELL OWNER NAME(S)	PHONE (OPTIONAL)
El Paso CGP Company, LLC	713-420-3475

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
1001 Louisiana Street Room 1445B	Houston	TX	77002

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	36	17	45.7938	N
	LONGITUDE	-107	24	50.1654	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE, SE, Section 24, Township 24N, Range 6W Rio Arriba County, NM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1664	Shawn Cain	Cascade Drilling

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/13/22	4/14/22	46	47	36

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 35

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: HSA

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	47	8	Sch 40 PVC Blank 0-26'	Flush Thread	2.375	.154	
			Sch 40 PVC Screen 26-46'	Flush Thread	2.375	.154	.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	1.5	8	Concrete	2.5	Pour
1.5	21	8	Cement/Bentonite Grout	10.5	Tremie Pumped
21	24	8	3/8" Chips	1.5	Pour
24	47	8	20/40 Sand	15	Pour

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	24.5	24.5	Silty Sands	Y ✔ N	
24.5	47	22.5	cemented sand stone	✔ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☑ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Brendon Remillard

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Shawn Cain — 5/20/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

APPENDIX C

NO. 824149

30 Years of Environmental Health and Safety Excellence

BASIN DISPOSAL

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 3/22/22
DEL. TKT#.

GENERATOR: El Paso CGP Com. LLC
BILL TO: El Paso CGP Comll&

HAULING CO. Oil Conservation Division
DRIVER: Sean Clary
(Print Full Name)

ORDERED BY: Joe W
CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☒ Produced Water ☐ Drilling/Completion Fluids

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		James F. Bell #1E/Fields A#7A	1	70			.70	
2		STATE GAS COM N#1/K27L0072					'22 MAR 22 6:15PM	
3		Fogelson 4-1/Knight #1						
4		GCU 124E/Miles Fed #1A						
5		Corrales Mesa #2						

I, Sean R Clary, representative or authorized agent for _____ do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non -exempt waste.

☒ Approved ☐ Denied ATTENDANT SIGNATURE

SAN JUAN PRINTING 2020 1973-1

825291

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. 825291

NMOCD PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE 4-15-22

DEL. TKT#.

GENERATOR: Stantec

BILL TO: Stantec

HAULING CO. ENVirotech

DRIVER: Dleon (Print Full Name)

ORDERED BY: Joseph Will

CODES:

WASTE DESCRIPTION: ☒ **Exempt Oilfield Waste** ☐ Produced Water ☐ Drilling/Completion Fluids

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1	964	Canada mesa 2	2	70			1	22 APR 15 10:53AM
2								
3								
4								
5								

I, Joseph Will, representative or authorized agent for _______________ do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ Approved ☐ Denied ATTENDANT SIGNATURE [signature]

SAN JUAN PRINTING 2020 1973-1

envirotech

Bill of Lading

MANIFEST # 73058
GENERATOR El Paso
POINT OF ORIGIN Rio Vista Comp Station
TRANSPORTER Envirotech
DATE 05-24-27 JOB # See Below

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	liquid			3. / 3			938	1445	
					14073-0059 (CCLC)		1 Drum	San Juan River Plant		
							1 Drum	Blanco North Flare		
					14073-0060		1 Drum	NM GW Pits (15 sites)		

RESULTS		
315	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
PASS	PAINT FILTER TEST	1

LANDFARM EMPLOYEE Cory Robinson BLM

☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out

NOTES

SCANNED

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document. DISTRIBUTION: **White** - Company Records / Billing **Yellow** - Customer **Pink** - LF Copy

SAN JUAN PRINTING 2021 407-3

envirotech

Bill of Lading

MANIFEST # 76385
GENERATOR El Paso
POINT OF ORIGIN See notes
TRANSPORTER Envirotech
DATE 11-07-22 JOB # 14073-0060

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Cont Liquid				1	01154	937	0845	Andrew Mtz
						1				
									SCANNED	

RESULTS			LANDFARM EMPLOYEE	NOTES
-291	CHLORIDE TEST	1		See Attachment
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	C-138 Pit Sites
	CHLORIDE TEST			
Pass	PAINT FILTER TEST	1		

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document. DISTRIBUTION: White - Company Records / Billing Yellow - Customer Pink - LF Copy

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 76385

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11-7-22 TIME 8:45 Am

CUSTOMER Kinder Morgan

SITE Pit Sites

DRIVER A. Musso

SAMPLE Soil Straight ✓ With Dirt _____

CHLORIDE TEST -291 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 8:47 Time completed _____

PASS YES _____ NO _____

SAMPLER/ANALYST CR

Attach test strip here

5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com

envirotech

SPECIAL WASTE MANIFEST		Manifest Document No. SW - 01154	Page 1 of

Generator's Name	Generator's Address	Generator's Telephone No.
KINDER MORGAN	1001 LOUISIANA ~~BLVD~~ STREET, ROOM 9561, HOUSTON, TX	~~505~~ 713-420-3475

Origin of Special Waste (Project or Spill Location): SJRB PIT & PLANT SITES

Transporter #1 Company Name	Address	Telephone No.
ENVIROTECH	5796 US HWY 64, FARMINGTON, NM	505-632-0615
Transporter #2 Company Name	Address	Telephone No.
Destination Facility Name/Site Address	Facility ID (Permit) Number	Telephone No.
ENVIROTECH LANDFARM 2	NM01-0011	505-632-0615

Type and Proper Name of Special Waste	Container(s) No.	Container(s) Type	Total Quantity	Unit Wt/Vol	
WATER AND DRIP	1	L	4	70GAL	

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

GENERATOR

Printed/Typed Name:	Signature:	Date:
Sean R Clary	Sean R Clary	11/7/2022

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Special Waste		
Printed/Typed Name:	Signature:	Date:
ANDREW MUSSO	ANDREW MUSSO	11/7/2022
Transporter 2 Acknowledgement of Receipt of Special Waste		
Printed/Typed Name:	Signature:	Date:

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

Printed/Typed Name:	Signature:	Date:
Gary Robinson		11-07-22

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. **Generator Name and Address:** **Billing code for invoice:**
El Paso CGP Company L.L.C., 1001 Louisiana Street, Room 1445B, Houston, TX 77002

2. **Originating Site:**
Johnston Federal #4, Johnston Federal #6A, Sandoval GC A#1A, Canada Mesa #2, K-27 LD072, Standard Oil Com #1, Knight #1, Gallegos Canyon Unit #124E, GCU Com A #142E, Fields A#7A, State Gas Com N #1, Fogelson 4-1, Lat L 40, and James F. Bell #1E.

3. **Location of Material (Street Address, City, State or ULSTR):**
Unit N, Sec. 27, T31N, R09W; Unit F, Sec. 35, T31N, R09W; Unit C, Sec. 35, T30N, R09W; Unit I, Sec. 24, T24N, R06W; Unit E, Sec 5, T25N, R06W; Unit N, Sec. 36, T29N, R09W, Unit A, Sec. 5, T30N, R13W; Unit N, Sec. 35, T28N, R12W; Unit G, Sec. 25, R29N, R12W; Unit E, Sec. 34, T32N, R11W; Unit H, Sec. 16, T31N, R12W; Unit P, Sec. 4, T29N, R11W; Unit H, Sec. 13, T28N, R04W; and Unit P, Sec. 10, T30N, R13W, respectively.

4. **Source and Description of Waste:**
Historic releases occurred on the above-referenced property. As part of environmental investigation activities, monitoring wells will be sampled, and purged liquids will be removed from the Site.
Estimated Volume _____ 1 ___ yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd^3 / bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Joseph Wiley, representative or authorized agent for El Paso CGP Company, LLC do hereby
PRINT & SIGN NAME COMPANY NAME
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☐ *Per Load*

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Joseph Wiley, representative for El Paso CGP Company, LLC authorize Envirotech to
Generator Signature
complete the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

6. **Transporter: Envirotech, Inc.**

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: #43 Road 7175, South of Bloomfield NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED ☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: _____ TITLE: _____ DATE: _____

SIGNATURE: _____ TELEPHONE NO.: _____

envirotech

SPECIAL WASTE MANIFEST		Manifest Document No. SW - 01140	Page 1 of

GENERATOR

Generator's Name	Generator's Address	Generator's Telephone No.
EIPASO CGP	1001 Louisiana St. Houston, Tx 77002	

Origin of Special Waste (Project or Spill Location): Canada Mesa #2, Miles Fed #1A, Knight #1 Fields A #7A, Fogelson 4-1 GCU #124E, State Gas Com H #1, Johnston Fed #4, Johnston Fed #6A

Transporter #1 Company Name	Address	Telephone No.
Envirotech	5796 US Hwy 64 Farmington, NM 87401	505-632-0615
Transporter #2 Company Name	Address	Telephone No.

Destination Facility Name/Site Address	Facility ID (Permit) Number	Telephone No.
Envirotech LF #2 43 Road 7175 Bloomfield NM 87413	NM01-0011	505-632-0615

Type and Proper Name of Special Waste	Container(s) No.	Container(s) Type	Total Quantity	Unit Wt/Vol	
Petroleum Contaminated liquid	1	B	~~100~~ 55	gal	

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

Printed/Typed Name:	Signature:	Date:
Greg Crabtree AS Agent		8/3/22

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Special Waste

Printed/Typed Name:	Signature:	Date:
Colton Tohn		8/3/22

Transporter 2 Acknowledgement of Receipt of Special Waste

Printed/Typed Name:	Signature:	Date:

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

Printed/Typed Name:	Signature:	Date:
Cary Robinson		08.03.22

APPENDIX D

envirotech

Bill of Lading

MANIFEST # 72413
GENERATOR El Paso
POINT OF ORIGIN Canada Mesa #2
TRANSPORTER Envirotech
DATE 04-14-22 JOB # 14073-0060

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF2.5	Cuttings Soil	M34		6	6/6		964	1615	

SCANNED

RESULTS		
<281	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
Pass	PAINT FILTER TEST	1

LANDFARM EMPLOYEE Cory Robinson

☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out

NOTES We kept BBLs & unloaded them

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document. DISTRIBUTION: **White** - Company Records / Billing **Yellow** - Customer **Pink** - LF Copy

SAN JUAN PRINTING 2021 407-3

APPENDIX E

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-220383-1
Client Project/Site: Canada Mesa #2.00

For:
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Authorized for release by:
6/8/2022 8:34:54 AM
Isabel Enfinger, Project Manager I
(850)471-6237
isabel.enfinger@et.eurofinsus.com

Designee for

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Laboratory Job ID: 400-220383-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Job ID: 400-220383-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-220383-1

Comments
No additional comments.

Receipt
The samples were received on 5/24/2022 9:02 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions
COC indicates unpreserved, containers indicates HCL.
MW-3R (400-220383-3), MW-5 (400-220383-4), MW-8 (400-220383-5), MW-10 (400-220383-6), MW-11 (400-220383-7) and DUP-01 (400-220383-8)

GC/MS VOA
Method 8260C: Surrogate recovery for the following sample was outside control limits: MW-2R (400-220383-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-220383-1

No Detections.

Client Sample ID: MW-2R — Lab Sample ID: 400-220383-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	34		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-3R — Lab Sample ID: 400-220383-3

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-220383-4

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 400-220383-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.7		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.8		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 400-220383-6

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 400-220383-7

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-220383-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.0		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.7		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
5030C	Purge and Trap	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-220383-1	TRIP BLANK	Water	05/22/22 07:51	05/24/22 09:02
400-220383-2	MW-2R	Water	05/22/22 09:15	05/24/22 09:02
400-220383-3	MW-3R	Water	05/22/22 09:10	05/24/22 09:02
400-220383-4	MW-5	Water	05/22/22 08:10	05/24/22 09:02
400-220383-5	MW-8	Water	05/22/22 08:20	05/24/22 09:02
400-220383-6	MW-10	Water	05/22/22 08:50	05/24/22 09:02
400-220383-7	MW-11	Water	05/22/22 09:00	05/24/22 09:02
400-220383-8	DUP-01	Water	05/22/22 09:20	05/24/22 09:02

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: TRIP BLANK

Date Collected: 05/22/22 07:51
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/22 15:57	1
Toluene	<1.0		1.0		ug/L			05/27/22 15:57	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/22 15:57	1
Xylenes, Total	<10		10		ug/L			05/27/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*72 - 119*		*05/27/22 15:57*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*05/27/22 15:57*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/27/22 15:57*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-2R

Date Collected: 05/22/22 09:15
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/22 20:18	1
Toluene	<1.0		1.0		ug/L			05/27/22 20:18	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/22 20:18	1
Xylenes, Total	**34**		10		ug/L			05/27/22 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*215*	*S1+*	*72 - 119*		*05/27/22 20:18*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*05/27/22 20:18*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*05/27/22 20:18*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-3R

Date Collected: 05/22/22 09:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 16:33	1
Toluene	<1.0		1.0		ug/L			06/03/22 16:33	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 16:33	1
Xylenes, Total	<10		10		ug/L			06/03/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*06/03/22 16:33*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*06/03/22 16:33*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/03/22 16:33*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-5

Date Collected: 05/22/22 08:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 17:00	1
Toluene	<1.0		1.0		ug/L			06/03/22 17:00	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 17:00	1
Xylenes, Total	<10		10		ug/L			06/03/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*06/03/22 17:00*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*06/03/22 17:00*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/03/22 17:00*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-8

Date Collected: 05/22/22 08:20
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.7**		1.0		ug/L			06/03/22 17:26	1
Toluene	<1.0		1.0		ug/L			06/03/22 17:26	1
Ethylbenzene	**1.8**		1.0		ug/L			06/03/22 17:26	1
Xylenes, Total	<10		10		ug/L			06/03/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*06/03/22 17:26*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*06/03/22 17:26*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/03/22 17:26*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-10
Date Collected: 05/22/22 08:50
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 17:52	1
Toluene	<1.0		1.0		ug/L			06/03/22 17:52	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 17:52	1
Xylenes, Total	<10		10		ug/L			06/03/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*06/03/22 17:52*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*06/03/22 17:52*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/03/22 17:52*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-11
Date Collected: 05/22/22 09:00
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 18:19	1
Toluene	<1.0		1.0		ug/L			06/03/22 18:19	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 18:19	1
Xylenes, Total	<10		10		ug/L			06/03/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 119*		*06/03/22 18:19*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*06/03/22 18:19*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/03/22 18:19*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: DUP-01

Date Collected: 05/22/22 09:20
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.0**		1.0		ug/L			06/03/22 18:45	1
Toluene	<1.0		1.0		ug/L			06/03/22 18:45	1
Ethylbenzene	**1.7**		1.0		ug/L			06/03/22 18:45	1
Xylenes, Total	<10		10		ug/L			06/03/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*06/03/22 18:45*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*06/03/22 18:45*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/03/22 18:45*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: TRIP BLANK
Date Collected: 05/22/22 07:51
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579208	05/27/22 15:57	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-2R
Date Collected: 05/22/22 09:15
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579208	05/27/22 20:18	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-3R
Date Collected: 05/22/22 09:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579929	06/03/22 16:33	BEP	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-5
Date Collected: 05/22/22 08:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579929	06/03/22 17:00	BEP	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-8
Date Collected: 05/22/22 08:20
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579929	06/03/22 17:26	BEP	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-10
Date Collected: 05/22/22 08:50
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579929	06/03/22 17:52	BEP	TAL PEN
	Instrument ID: CH_WASP									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Client Sample ID: MW-11
Date Collected: 05/22/22 09:00
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579929	06/03/22 18:19	BEP	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: DUP-01
Date Collected: 05/22/22 09:20
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220383-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579929	06/03/22 18:45	BEP	TAL PEN
	Instrument ID: CH_WASP									

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

GC/MS VOA

Analysis Batch: 579208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220383-1	TRIP BLANK	Total/NA	Water	8260C	
400-220383-2	MW-2R	Total/NA	Water	8260C	
MB 400-579208/27	Method Blank	Total/NA	Water	8260C	
LCS 400-579208/1002	Lab Control Sample	Total/NA	Water	8260C	
400-220101-A-6 MS	Matrix Spike	Total/NA	Water	8260C	
400-220101-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 579929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220383-3	MW-3R	Total/NA	Water	8260C	
400-220383-4	MW-5	Total/NA	Water	8260C	
400-220383-5	MW-8	Total/NA	Water	8260C	
400-220383-6	MW-10	Total/NA	Water	8260C	
400-220383-7	MW-11	Total/NA	Water	8260C	
400-220383-8	DUP-01	Total/NA	Water	8260C	
MB 400-579929/41	Method Blank	Total/NA	Water	8260C	
LCS 400-579929/1002	Lab Control Sample	Total/NA	Water	8260C	
400-220328-D-3 MS	Matrix Spike	Total/NA	Water	8260C	
400-220328-D-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-579208/27
Matrix: Water
Analysis Batch: 579208

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/22 13:38	1
Toluene	<1.0		1.0		ug/L			05/27/22 13:38	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/22 13:38	1
Xylenes, Total	<10		10		ug/L			05/27/22 13:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*72 - 119*		*05/27/22 13:38*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*05/27/22 13:38*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/27/22 13:38*	*1*

Lab Sample ID: LCS 400-579208/1002
Matrix: Water
Analysis Batch: 579208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	44.9		ug/L		90	70 - 130		
Toluene			50.0	44.8		ug/L		90	70 - 130		
Ethylbenzene			50.0	44.2		ug/L		88	70 - 130		
Xylenes, Total			100	86.9		ug/L		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*118*		*72 - 119*
Dibromofluoromethane	*110*		*75 - 126*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: 400-220101-A-6 MS
Matrix: Water
Analysis Batch: 579208

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	140		50.0	190		ug/L		101	56 - 142		
Toluene	5.3		50.0	57.5		ug/L		104	65 - 130		
Ethylbenzene	<1.0		50.0	51.8		ug/L		102	58 - 131		
Xylenes, Total	<10		100	105		ug/L		102	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*117*		*72 - 119*
Dibromofluoromethane	*103*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-220101-A-6 MSD
Matrix: Water
Analysis Batch: 579208

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	140		50.0	189		ug/L		100	56 - 142	0	30
Toluene	5.3		50.0	57.0		ug/L		103	65 - 130	1	30
Ethylbenzene	<1.0		50.0	51.3		ug/L		101	58 - 131	1	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-220101-A-6 MSD
Matrix: Water
Analysis Batch: 579208

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<10		100	103		ug/L		100	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*117*		*72 - 119*
Dibromofluoromethane	*104*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: MB 400-579929/41
Matrix: Water
Analysis Batch: 579929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 10:25	1
Toluene	<1.0		1.0		ug/L			06/03/22 10:25	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 10:25	1
Xylenes, Total	<10		10		ug/L			06/03/22 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*06/03/22 10:25*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/03/22 10:25*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*06/03/22 10:25*	*1*

Lab Sample ID: LCS 400-579929/1002
Matrix: Water
Analysis Batch: 579929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	53.9		ug/L		108	70 - 130		
Toluene			50.0	49.6		ug/L		99	70 - 130		
Ethylbenzene			50.0	52.0		ug/L		104	70 - 130		
Xylenes, Total			100	99.6		ug/L		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*103*		*75 - 126*
Toluene-d8 (Surr)	*96*		*64 - 132*

Lab Sample ID: 400-220328-D-3 MS
Matrix: Water
Analysis Batch: 579929

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<1.0		50.0	47.9		ug/L		94	56 - 142		
Toluene	<1.0		50.0	38.9		ug/L		78	65 - 130		
Ethylbenzene	<1.0		50.0	36.0		ug/L		72	58 - 131		
Xylenes, Total	<10	F1	100	68.8		ug/L		69	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2.00

Job ID: 400-220383-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-220328-D-3 MS
Matrix: Water
Analysis Batch: 579929

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*93*		*72 - 119*
Dibromofluoromethane	*102*		*75 - 126*
Toluene-d8 (Surr)	*94*		*64 - 132*

Lab Sample ID: 400-220328-D-3 MSD
Matrix: Water
Analysis Batch: 579929

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	44.1		ug/L		87	56 - 142	8	30
Toluene	<1.0		50.0	34.2		ug/L		68	65 - 130	13	30
Ethylbenzene	<1.0		50.0	28.8		ug/L		58	58 - 131	22	30
Xylenes, Total	<10	F1	100	54.7	F1	ug/L		55	59 - 130	23	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*100*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Sarah Gardner / Sean Clary	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-111388-39044.2
Client Contact: Steve Varsa	Phone: (303) 291-2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page ~~2 of 2~~ 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): See ARF			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040036			
Email: steve.varsa@stantec.com	WO #: ERG-STN-05-06-22-SAH-01			
Project Name: Canada Mesa #2.00	Project #: 40005479			
Site: Canada mesa	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	8260C - BTEX 8260 (unpreserved)	Total Number of containers
			Preservation Code:				A	N	N	
Trip Blank	5/22/2022	751	G	Water					1	1
MW-2R	5/22/2022	915	G	Water					3	3
MW-3R	5/22/2022	910	G	Water				3		3
MW-5	5/22/2022	810	G	W				3		3
MW-8	5/22/2022	820	G	W				3		3
MW-10	5/22/2022	850	G	W				3		3
MW-11	5/22/2022	900	G	W				3		3
DUP-01	5/22/2022	920	G	W				3		3

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Special Instructions/Note:

400-220383 COC

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Sean Clary	5/23/2022 125	Stantec	MD	5/24/22 0902	EE TS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2°C IR9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-220383-1

Login Number: 220383 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Containers for #3-8 indicate UP; COC and pH indicated HCl
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 400-220383-1
Project/Site: Canada Mesa #2.00

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	03-31-23

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 11/29/2022 2:55:12 PM Revision 1

JOB DESCRIPTION

Canada Mesa #2

JOB NUMBER

400-228574-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

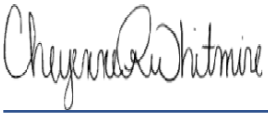
Eurofins Pensacola

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
11/29/2022 2:55:12 PM
Revision 1

Authorized for release by
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Laboratory Job ID: 400-228574-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Job ID: 400-228574-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-228574-1

Receipt
The samples were received on 11/8/2022 9:32 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
Method 8260D: One of three surrogate recoveries for the following sample was outside control limits: MW-8 (400-228574-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-228574-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Revision
The report being provided is a revision of the original report sent on 11/29/2022. The report (revision 1) is being revised due to: Sample ID revised from MW-1R to MW-1.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: TB-01 Lab Sample ID: 400-228574-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-228574-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.4		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	2.4		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-1 Lab Sample ID: 400-228574-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	45		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	120		1.0		ug/L	1		8260D	Total/NA
Toluene	180		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total - DL	730		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW-2R Lab Sample ID: 400-228574-4

No Detections.

Client Sample ID: MW-3R Lab Sample ID: 400-228574-5

No Detections.

Client Sample ID: MW-5 Lab Sample ID: 400-228574-6

No Detections.

Client Sample ID: MW-8 Lab Sample ID: 400-228574-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.2		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	2.3		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-10 Lab Sample ID: 400-228574-8

No Detections.

Client Sample ID: MW-11 Lab Sample ID: 400-228574-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030B	Purge and Trap	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-228574-1	TB-01	Water	11/06/22 09:00	11/08/22 09:32
400-228574-2	DUP-01	Water	11/06/22 12:00	11/08/22 09:32
400-228574-3	MW-1	Water	11/06/22 09:38	11/08/22 09:32
400-228574-4	MW-2R	Water	11/06/22 09:48	11/08/22 09:32
400-228574-5	MW-3R	Water	11/06/22 09:58	11/08/22 09:32
400-228574-6	MW-5	Water	11/06/22 10:06	11/08/22 09:32
400-228574-7	MW-8	Water	11/06/22 09:30	11/08/22 09:32
400-228574-8	MW-10	Water	11/06/22 10:11	11/08/22 09:32
400-228574-9	MW-11	Water	11/06/22 10:20	11/08/22 09:32

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: TB-01
Date Collected: 11/06/22 09:00
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/22 15:23	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/22 15:23	1
Toluene	<1.0		1.0		ug/L			11/18/22 15:23	1
Xylenes, Total	<10		10		ug/L			11/18/22 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/18/22 15:23*	*1*
Dibromofluoromethane	*91*		*75 - 126*		*11/18/22 15:23*	*1*
4-Bromofluorobenzene	*98*		*72 - 119*		*11/18/22 15:23*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: DUP-01

Date Collected: 11/06/22 12:00
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.4**		1.0		ug/L			11/18/22 19:19	1
Ethylbenzene	**2.4**		1.0		ug/L			11/18/22 19:19	1
Toluene	<1.0		1.0		ug/L			11/18/22 19:19	1
Xylenes, Total	<10		10		ug/L			11/18/22 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/18/22 19:19*	*1*
Dibromofluoromethane	*75*		*75 - 126*		*11/18/22 19:19*	*1*
4-Bromofluorobenzene	*107*		*72 - 119*		*11/18/22 19:19*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-1

Date Collected: 11/06/22 09:38
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**45**		1.0		ug/L			11/18/22 13:38	1
Ethylbenzene	**120**		1.0		ug/L			11/18/22 13:38	1
Toluene	**180**		1.0		ug/L			11/18/22 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*64 - 132*		*11/18/22 13:38*	*1*
Dibromofluoromethane	*82*		*75 - 126*		*11/18/22 13:38*	*1*
4-Bromofluorobenzene	*110*		*72 - 119*		*11/18/22 13:38*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**730**		50		ug/L			11/19/22 19:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*64 - 132*		*11/19/22 19:21*	*5*
Dibromofluoromethane	*86*		*75 - 126*		*11/19/22 19:21*	*5*
4-Bromofluorobenzene	*104*		*72 - 119*		*11/19/22 19:21*	*5*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-2R
Date Collected: 11/06/22 09:48
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/10/22 17:37	1
Toluene	<1.0		1.0		ug/L			11/10/22 17:37	1
Ethylbenzene	<1.0		1.0		ug/L			11/10/22 17:37	1
Xylenes, Total	<10		10		ug/L			11/10/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 119*		*11/10/22 17:37*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*11/10/22 17:37*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/10/22 17:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-3R
Date Collected: 11/06/22 09:58
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/22 19:45	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/22 19:45	1
Toluene	<1.0		1.0		ug/L			11/18/22 19:45	1
Xylenes, Total	<10		10		ug/L			11/18/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/18/22 19:45*	*1*
Dibromofluoromethane	*92*		*75 - 126*		*11/18/22 19:45*	*1*
4-Bromofluorobenzene	*98*		*72 - 119*		*11/18/22 19:45*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-5
Date Collected: 11/06/22 10:06
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/22 20:11	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/22 20:11	1
Toluene	<1.0		1.0		ug/L			11/18/22 20:11	1
Xylenes, Total	<10		10		ug/L			11/18/22 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/18/22 20:11*	*1*
Dibromofluoromethane	*90*		*75 - 126*		*11/18/22 20:11*	*1*
4-Bromofluorobenzene	*98*		*72 - 119*		*11/18/22 20:11*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-8

Date Collected: 11/06/22 09:30
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.2**		1.0		ug/L			11/18/22 20:37	1
Ethylbenzene	**2.3**		1.0		ug/L			11/18/22 20:37	1
Toluene	<1.0		1.0		ug/L			11/18/22 20:37	1
Xylenes, Total	<10		10		ug/L			11/18/22 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/18/22 20:37*	*1*
Dibromofluoromethane	*74*	*S1-*	*75 - 126*		*11/18/22 20:37*	*1*
4-Bromofluorobenzene	*105*		*72 - 119*		*11/18/22 20:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-10

Date Collected: 11/06/22 10:11
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/22 12:46	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/22 12:46	1
Toluene	<1.0		1.0		ug/L			11/19/22 12:46	1
Xylenes, Total	<10		10		ug/L			11/19/22 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/19/22 12:46*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*11/19/22 12:46*	*1*
4-Bromofluorobenzene	*98*		*72 - 119*		*11/19/22 12:46*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-11

Date Collected: 11/06/22 10:20
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/22 13:12	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/22 13:12	1
Toluene	<1.0		1.0		ug/L			11/19/22 13:12	1
Xylenes, Total	<10		10		ug/L			11/19/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*64 - 132*		*11/19/22 13:12*	*1*
Dibromofluoromethane	*91*		*75 - 126*		*11/19/22 13:12*	*1*
4-Bromofluorobenzene	*98*		*72 - 119*		*11/19/22 13:12*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: TB-01
Date Collected: 11/06/22 09:00
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601331	11/18/22 15:23	WPD	EET PEN
	Instrument ID: Einstein									

Client Sample ID: DUP-01
Date Collected: 11/06/22 12:00
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601331	11/18/22 19:19	WPD	EET PEN
	Instrument ID: Einstein									

Client Sample ID: MW-1
Date Collected: 11/06/22 09:38
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601331	11/18/22 13:38	WPD	EET PEN
	Instrument ID: Einstein									
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	601488	11/19/22 19:21	BEP	EET PEN
	Instrument ID: Einstein									

Client Sample ID: MW-2R
Date Collected: 11/06/22 09:48
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	600141	11/10/22 17:37	JE	EET PEN
	Instrument ID: Argo									

Client Sample ID: MW-3R
Date Collected: 11/06/22 09:58
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601331	11/18/22 19:45	WPD	EET PEN
	Instrument ID: Einstein									

Client Sample ID: MW-5
Date Collected: 11/06/22 10:06
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601331	11/18/22 20:11	WPD	EET PEN
	Instrument ID: Einstein									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Client Sample ID: MW-8
Date Collected: 11/06/22 09:30
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601331	11/18/22 20:37	WPD	EET PEN
	Instrument ID: Einstein									

Client Sample ID: MW-10
Date Collected: 11/06/22 10:11
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601488	11/19/22 12:46	BEP	EET PEN
	Instrument ID: Einstein									

Client Sample ID: MW-11
Date Collected: 11/06/22 10:20
Date Received: 11/08/22 09:32

Lab Sample ID: 400-228574-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	601488	11/19/22 13:12	BEP	EET PEN
	Instrument ID: Einstein									

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

GC/MS VOA

Analysis Batch: 600141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228574-4	MW-2R	Total/NA	Water	8260C	
MB 400-600141/4	Method Blank	Total/NA	Water	8260C	
LCS 400-600141/1002	Lab Control Sample	Total/NA	Water	8260C	
400-228238-A-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-228238-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 601331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228574-1	TB-01	Total/NA	Water	8260D	
400-228574-2	DUP-01	Total/NA	Water	8260D	
400-228574-3	MW-1	Total/NA	Water	8260D	
400-228574-5	MW-3R	Total/NA	Water	8260D	
400-228574-6	MW-5	Total/NA	Water	8260D	
400-228574-7	MW-8	Total/NA	Water	8260D	
MB 400-601331/4	Method Blank	Total/NA	Water	8260D	
LCS 400-601331/1002	Lab Control Sample	Total/NA	Water	8260D	
400-228625-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-228625-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 601488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228574-3 - DL	MW-1	Total/NA	Water	8260D	
400-228574-8	MW-10	Total/NA	Water	8260D	
400-228574-9	MW-11	Total/NA	Water	8260D	
MB 400-601488/4	Method Blank	Total/NA	Water	8260D	
LCS 400-601488/1002	Lab Control Sample	Total/NA	Water	8260D	
400-228646-B-6 MS	Matrix Spike	Total/NA	Water	8260D	
400-228646-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-600141/4
Matrix: Water
Analysis Batch: 600141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/10/22 17:12	1
Toluene	<1.0		1.0		ug/L			11/10/22 17:12	1
Ethylbenzene	<1.0		1.0		ug/L			11/10/22 17:12	1
Xylenes, Total	<10		10		ug/L			11/10/22 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*11/10/22 17:12*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/10/22 17:12*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/10/22 17:12*	*1*

Lab Sample ID: LCS 400-600141/1002
Matrix: Water
Analysis Batch: 600141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	49.7		ug/L		99	70 - 130		
Toluene			50.0	52.9		ug/L		106	70 - 130		
Ethylbenzene			50.0	54.8		ug/L		110	70 - 130		
Xylenes, Total			100	102		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*72 - 119*
Dibromofluoromethane	*87*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-228238-A-2 MS
Matrix: Water
Analysis Batch: 600141

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	12		50.0	61.5		ug/L		99	56 - 142		
Toluene	1.5		50.0	48.1		ug/L		93	65 - 130		
Ethylbenzene	1.2		50.0	49.2		ug/L		96	58 - 131		
Xylenes, Total	<10		100	95.9		ug/L		90	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*90*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-228238-A-2 MSD
Matrix: Water
Analysis Batch: 600141

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	12		50.0	62.0		ug/L		100	56 - 142	1	30
Toluene	1.5		50.0	49.4		ug/L		96	65 - 130	3	30
Ethylbenzene	1.2		50.0	53.0		ug/L		104	58 - 131	7	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-228238-A-2 MSD
Matrix: Water
Analysis Batch: 600141

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<10		100	101		ug/L		95	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 119*
Dibromofluoromethane	*87*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-601331/4
Matrix: Water
Analysis Batch: 601331

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/22 11:53	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/22 11:53	1
Toluene	<1.0		1.0		ug/L			11/18/22 11:53	1
Xylenes, Total	<10		10		ug/L			11/18/22 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/18/22 11:53*	*1*
Dibromofluoromethane	*92*		*75 - 126*		*11/18/22 11:53*	*1*
4-Bromofluorobenzene	*97*		*72 - 119*		*11/18/22 11:53*	*1*

Lab Sample ID: LCS 400-601331/1002
Matrix: Water
Analysis Batch: 601331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	46.1		ug/L		92	70 - 130		
Ethylbenzene			50.0	52.2		ug/L		104	70 - 130		
Toluene			50.0	50.8		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*64 - 132*
Dibromofluoromethane	*83*		*75 - 126*
4-Bromofluorobenzene	*115*		*72 - 119*

Lab Sample ID: 400-228625-A-1 MS
Matrix: Water
Analysis Batch: 601331

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<1.0		50.0	47.0		ug/L		94	56 - 142		
Ethylbenzene	<1.0		50.0	51.2		ug/L		102	58 - 131		
Toluene	<1.0		50.0	49.3		ug/L		99	65 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-228625-A-1 MS
Matrix: Water
Analysis Batch: 601331

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	105		64 - 132
Dibromofluoromethane	85		75 - 126
4-Bromofluorobenzene	112		72 - 119

Lab Sample ID: 400-228625-A-1 MSD
Matrix: Water
Analysis Batch: 601331

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	45.5		ug/L		91	56 - 142	3	30
Ethylbenzene	<1.0		50.0	49.5		ug/L		99	58 - 131	3	30
Toluene	<1.0		50.0	48.0		ug/L		96	65 - 130	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	107		64 - 132
Dibromofluoromethane	85		75 - 126
4-Bromofluorobenzene	111		72 - 119

Lab Sample ID: MB 400-601488/4
Matrix: Water
Analysis Batch: 601488

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/22 10:35	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/22 10:35	1
Toluene	<1.0		1.0		ug/L			11/19/22 10:35	1
Xylenes, Total	<10		10		ug/L			11/19/22 10:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		64 - 132		11/19/22 10:35	1
Dibromofluoromethane	91		75 - 126		11/19/22 10:35	1
4-Bromofluorobenzene	98		72 - 119		11/19/22 10:35	1

Lab Sample ID: LCS 400-601488/1002
Matrix: Water
Analysis Batch: 601488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	46.5		ug/L		93	70 - 130		
Ethylbenzene			50.0	52.2		ug/L		104	70 - 130		
Toluene			50.0	50.5		ug/L		101	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	110		64 - 132
Dibromofluoromethane	84		75 - 126
4-Bromofluorobenzene	112		72 - 119

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 400-228646-B-6 MS
Matrix: Water
Analysis Batch: 601488

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<1.0		50.0	40.8		ug/L		82	56 - 142		
Ethylbenzene	<1.0		50.0	43.1		ug/L		86	58 - 131		
Toluene	<1.0		50.0	42.8		ug/L		86	65 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*64 - 132*
Dibromofluoromethane	*86*		*75 - 126*
4-Bromofluorobenzene	*112*		*72 - 119*

Lab Sample ID: 400-228646-B-6 MSD
Matrix: Water
Analysis Batch: 601488

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	40.7		ug/L		81	56 - 142	0	30
Ethylbenzene	<1.0		50.0	39.8		ug/L		80	58 - 131	8	30
Toluene	<1.0		50.0	41.1		ug/L		82	65 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*64 - 132*
Dibromofluoromethane	*85*		*75 - 126*
4-Bromofluorobenzene	*110*		*72 - 119*

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: SRC	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-114532-39044.1
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 ~~of 2~~ 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040036			
Email: steve.varsa@stantec.com	WO #: ERG-STN-10-07-22-SAH-01			
Project Name: Canada Mesa #2.00	Project #: 40005479			
Site: Canada Mesa	SSOW#:			

Analysis Requested

400-228574 COC

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)

Other:

STN-01

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	8260C - BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N		
TB-01	11/6/2022	0900	G	Water			2			2	
DUP-01	11/6/2022	—	G	Water			3			3	
MW-1R	11/6/2022	0938	G	Water			3			3	
MW-2R	11/6/2022	0948	G	Water				3		3	
MW-3R	11/6/2022	0958	G	Water			3			3	
MW-5	11/6/2022	1006	G	Water			3			3	
MW-8	11/6/2022	0936	G	Water			3			3	
MW-10	11/6/2022	1011	G	Water			3			3	
MW-11	11/6/2022	1020	G	Water			3			3	
				Water							
				Water							

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sam N Clary	11/7/22 1200	STN			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				11-8-22 9:32	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		C: 0°2 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-228574-1

Login Number: 228574 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-228574-1

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

APPENDIX F

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-218622-1
Client Project/Site: Canada Mesa #2
Revision: 1

For:
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Authorized for release by:
5/13/2022 5:38:27 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.com

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Laboratory Job ID: 400-218622-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Job ID: 400-218622-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-218622-1

Receipt
The samples were received on 4/19/2022 9:11 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1º C.

GC VOA
Method 8015B: The following sample was diluted because the base dilution for methanol preserved samples is 1:50: MW10 (38-39') (400-218622-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Client Sample ID: MW10 (38-39') — Lab Sample ID: 400-218622-1

No Detections.

Client Sample ID: MW11 (17-18') — Lab Sample ID: 400-218622-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloride	160		21		mg/Kg	1	☼	300.0	Soluble

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8015B	Gasoline Range Organics - (GC)	SW846	TAL PEN
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN
3546	Microwave Extraction	SW846	TAL PEN
5035	Closed System Purge and Trap	SW846	TAL PEN
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL PEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218622-1	MW10 (38-39')	Solid	04/12/22 11:05	04/19/22 09:11
400-218622-2	MW11 (17-18')	Solid	04/13/22 11:30	04/19/22 09:11

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Client Sample ID: MW10 (38-39')
Date Collected: 04/12/22 11:05
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218622-1
Matrix: Solid
Percent Solids: 80.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0061		0.0061		mg/Kg	☼	04/21/22 12:55	04/21/22 18:09	1
Toluene	<0.0061		0.0061		mg/Kg	☼	04/21/22 12:55	04/21/22 18:09	1
Ethylbenzene	<0.0061		0.0061		mg/Kg	☼	04/21/22 12:55	04/21/22 18:09	1
Xylenes, Total	<0.012		0.012		mg/Kg	☼	04/21/22 12:55	04/21/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*	*04/21/22 12:55*	*04/21/22 18:09*	*1*
Dibromofluoromethane	*100*		*77 - 127*	*04/21/22 12:55*	*04/21/22 18:09*	*1*
Toluene-d8 (Surr)	*97*		*76 - 127*	*04/21/22 12:55*	*04/21/22 18:09*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<7.5		7.5		mg/Kg	☼	04/20/22 09:26	04/20/22 13:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*97*		*65 - 125*	*04/20/22 09:26*	*04/20/22 13:37*	*50*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<6.1		6.1		mg/Kg	☼	04/21/22 12:03	04/22/22 15:58	1
Oil Range Organics (ORO)	<6.1		6.1		mg/Kg	☼	04/21/22 12:03	04/22/22 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*27 - 150*	*04/21/22 12:03*	*04/22/22 15:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<25		25		mg/Kg	☼		04/28/22 11:39	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Client Sample ID: MW11 (17-18')

Date Collected: 04/13/22 11:30
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218622-2

Matrix: Solid
Percent Solids: 94.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0052		0.0052		mg/Kg	☼	04/21/22 12:55	04/21/22 17:44	1
Toluene	<0.0052		0.0052		mg/Kg	☼	04/21/22 12:55	04/21/22 17:44	1
Ethylbenzene	<0.0052		0.0052		mg/Kg	☼	04/21/22 12:55	04/21/22 17:44	1
Xylenes, Total	<0.010		0.010		mg/Kg	☼	04/21/22 12:55	04/21/22 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*	*04/21/22 12:55*	*04/21/22 17:44*	*1*
Dibromofluoromethane	*100*		*77 - 127*	*04/21/22 12:55*	*04/21/22 17:44*	*1*
Toluene-d8 (Surr)	*92*		*76 - 127*	*04/21/22 12:55*	*04/21/22 17:44*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.10		0.10		mg/Kg	☼	04/20/22 09:26	04/20/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*94*		*65 - 125*	*04/20/22 09:26*	*04/20/22 12:49*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<5.2		5.2		mg/Kg	☼	04/21/22 12:03	04/22/22 16:14	1
Oil Range Organics (ORO)	<5.2		5.2		mg/Kg	☼	04/21/22 12:03	04/22/22 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*27 - 150*	*04/21/22 12:03*	*04/22/22 16:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		21		mg/Kg	☼		04/28/22 12:47	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Client Sample ID: MW10 (38-39')
Date Collected: 04/12/22 11:05
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218622-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			574874	04/22/22 09:25	WJM	TAL PEN
	Instrument ID: NOEQUIP									

Client Sample ID: MW10 (38-39')
Date Collected: 04/12/22 11:05
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218622-1
Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.13 g	5.00 g	574773	04/21/22 12:55	SAB	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	574731	04/21/22 18:09	SAB	TAL PEN
	Instrument ID: Brutus									
Total/NA	Prep	5035			4.99 g	5.00 g	574538	04/20/22 09:26	NTH	TAL PEN
Total/NA	Analysis	8015B		50	5 mL	5 mL	574537	04/20/22 13:37	GRK	TAL PEN
	Instrument ID: CH_RITA									
Total/NA	Prep	3546			15.26 g	1 mL	574737	04/21/22 12:03	NGB	TAL PEN
Total/NA	Analysis	8015B		1			574936	04/22/22 15:58	LHB	TAL PEN
	Instrument ID: WALLE									
Soluble	Leach	DI Leach			2.509 g	50 mL	575302	04/26/22 09:43	JAS	TAL PEN
Soluble	Analysis	300.0		1			575647	04/28/22 11:39	JAS	TAL PEN
	Instrument ID: Stitch									

Client Sample ID: MW11 (17-18')
Date Collected: 04/13/22 11:30
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218622-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			574874	04/22/22 09:25	WJM	TAL PEN
	Instrument ID: NOEQUIP									

Client Sample ID: MW11 (17-18')
Date Collected: 04/13/22 11:30
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218622-2
Matrix: Solid
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.07 g	5.00 g	574773	04/21/22 12:55	SAB	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	574731	04/21/22 17:44	SAB	TAL PEN
	Instrument ID: Brutus									
Total/NA	Prep	5035			5.05 g	5.00 g	574538	04/20/22 09:26	NTH	TAL PEN
Total/NA	Analysis	8015B		1	5 mL	5 mL	574537	04/20/22 12:49	GRK	TAL PEN
	Instrument ID: CH_RITA									
Total/NA	Prep	3546			15.15 g	1 mL	574737	04/21/22 12:03	NGB	TAL PEN
Total/NA	Analysis	8015B		1			574936	04/22/22 16:14	LHB	TAL PEN
	Instrument ID: WALLE									
Soluble	Leach	DI Leach			2.510 g	50 mL	575302	04/26/22 09:43	JAS	TAL PEN
Soluble	Analysis	300.0		1			575647	04/28/22 12:47	JAS	TAL PEN
	Instrument ID: Stitch									

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

GC/MS VOA

Analysis Batch: 574731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	8260B	574773
400-218622-2	MW11 (17-18')	Total/NA	Solid	8260B	574773
MB 400-574773/2-A	Method Blank	Total/NA	Solid	8260B	574773
LCS 400-574773/1-A	Lab Control Sample	Total/NA	Solid	8260B	574773
400-218622-2 MS	MW11 (17-18')	Total/NA	Solid	8260B	574773
400-218622-2 MSD	MW11 (17-18')	Total/NA	Solid	8260B	574773

Prep Batch: 574773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	5035	
400-218622-2	MW11 (17-18')	Total/NA	Solid	5035	
MB 400-574773/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-574773/1-A	Lab Control Sample	Total/NA	Solid	5035	
400-218622-2 MS	MW11 (17-18')	Total/NA	Solid	5035	
400-218622-2 MSD	MW11 (17-18')	Total/NA	Solid	5035	

GC VOA

Analysis Batch: 574537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	8015B	574538
400-218622-2	MW11 (17-18')	Total/NA	Solid	8015B	574538
MB 400-574538/2-A	Method Blank	Total/NA	Solid	8015B	574538
LCS 400-574538/1-A	Lab Control Sample	Total/NA	Solid	8015B	574538
400-218623-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B	574538
400-218623-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	574538

Prep Batch: 574538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	5035	
400-218622-2	MW11 (17-18')	Total/NA	Solid	5035	
MB 400-574538/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-574538/1-A	Lab Control Sample	Total/NA	Solid	5035	
400-218623-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
400-218623-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 574737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	3546	
400-218622-2	MW11 (17-18')	Total/NA	Solid	3546	
MB 400-574737/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-574737/2-A	Lab Control Sample	Total/NA	Solid	3546	
400-218622-1 MS	MW10 (38-39')	Total/NA	Solid	3546	
400-218622-1 MSD	MW10 (38-39')	Total/NA	Solid	3546	

Analysis Batch: 574936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	8015B	574737
400-218622-2	MW11 (17-18')	Total/NA	Solid	8015B	574737
MB 400-574737/1-A	Method Blank	Total/NA	Solid	8015B	574737

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

GC Semi VOA (Continued)

Analysis Batch: 574936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-574737/2-A	Lab Control Sample	Total/NA	Solid	8015B	574737
400-218622-1 MS	MW10 (38-39')	Total/NA	Solid	8015B	574737
400-218622-1 MSD	MW10 (38-39')	Total/NA	Solid	8015B	574737

HPLC/IC

Leach Batch: 575302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Soluble	Solid	DI Leach	
400-218622-2	MW11 (17-18')	Soluble	Solid	DI Leach	
MB 400-575302/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-575302/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-575302/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
400-218622-1 MS	MW10 (38-39')	Soluble	Solid	DI Leach	
400-218622-1 MSD	MW10 (38-39')	Soluble	Solid	DI Leach	

Analysis Batch: 575647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Soluble	Solid	300.0	575302
400-218622-2	MW11 (17-18')	Soluble	Solid	300.0	575302
MB 400-575302/1-A	Method Blank	Soluble	Solid	300.0	575302
LCS 400-575302/2-A	Lab Control Sample	Soluble	Solid	300.0	575302
LCSD 400-575302/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	575302
400-218622-1 MS	MW10 (38-39')	Soluble	Solid	300.0	575302
400-218622-1 MSD	MW10 (38-39')	Soluble	Solid	300.0	575302

General Chemistry

Analysis Batch: 574874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218622-1	MW10 (38-39')	Total/NA	Solid	Moisture	
400-218622-2	MW11 (17-18')	Total/NA	Solid	Moisture	
400-218622-1 DU	MW10 (38-39')	Total/NA	Solid	Moisture	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-574773/2-A
Matrix: Solid
Analysis Batch: 574731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574773

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0050		0.0050		mg/Kg		04/21/22 12:55	04/21/22 15:18	1
Toluene	<0.0050		0.0050		mg/Kg		04/21/22 12:55	04/21/22 15:18	1
Ethylbenzene	<0.0050		0.0050		mg/Kg		04/21/22 12:55	04/21/22 15:18	1
Xylenes, Total	<0.010		0.010		mg/Kg		04/21/22 12:55	04/21/22 15:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*	*04/21/22 12:55*	*04/21/22 15:18*	*1*
Dibromofluoromethane	*101*		*77 - 127*	*04/21/22 12:55*	*04/21/22 15:18*	*1*
Toluene-d8 (Surr)	*93*		*76 - 127*	*04/21/22 12:55*	*04/21/22 15:18*	*1*

Lab Sample ID: LCS 400-574773/1-A
Matrix: Solid
Analysis Batch: 574731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574773

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.0442		mg/Kg		88	65 - 130		
Toluene			0.0500	0.0465		mg/Kg		93	70 - 130		
Ethylbenzene			0.0500	0.0423		mg/Kg		85	70 - 130		
Xylenes, Total			0.100	0.0858		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*67 - 130*
Dibromofluoromethane	*89*		*77 - 127*
Toluene-d8 (Surr)	*98*		*76 - 127*

Lab Sample ID: 400-218622-2 MS
Matrix: Solid
Analysis Batch: 574731

Client Sample ID: MW11 (17-18')
Prep Type: Total/NA
Prep Batch: 574773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.0052		0.0491	0.0443		mg/Kg	☼	90	38 - 131		
Toluene	<0.0052		0.0491	0.0470		mg/Kg	☼	96	42 - 130		
Ethylbenzene	<0.0052		0.0491	0.0437		mg/Kg	☼	89	35 - 130		
Xylenes, Total	<0.010		0.0983	0.0875		mg/Kg	☼	89	35 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*67 - 130*
Dibromofluoromethane	*89*		*77 - 127*
Toluene-d8 (Surr)	*97*		*76 - 127*

Lab Sample ID: 400-218622-2 MSD
Matrix: Solid
Analysis Batch: 574731

Client Sample ID: MW11 (17-18')
Prep Type: Total/NA
Prep Batch: 574773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.0052		0.0482	0.0417		mg/Kg	☼	87	38 - 131	6	36
Toluene	<0.0052		0.0482	0.0435		mg/Kg	☼	90	42 - 130	8	37
Ethylbenzene	<0.0052		0.0482	0.0401		mg/Kg	☼	83	35 - 130	9	46

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-218622-2 MSD — **Client Sample ID: MW11 (17-18')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574731 — **Prep Batch: 574773**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<0.010		0.0963	0.0819		mg/Kg	☼	85	35 - 130	7	39

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*67 - 130*
Dibromofluoromethane	*90*		*77 - 127*
Toluene-d8 (Surr)	*97*		*76 - 127*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 400-574538/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574537 — **Prep Batch: 574538**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.10		0.10		mg/Kg		04/20/22 09:26	04/20/22 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*96*		*65 - 125*	*04/20/22 09:26*	*04/20/22 11:42*	*1*

Lab Sample ID: LCS 400-574538/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574537 — **Prep Batch: 574538**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1.00	0.977		mg/Kg		98	62 - 141		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*98*		*65 - 125*

Lab Sample ID: 400-218623-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574537 — **Prep Batch: 574538**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	98		59.4	168		mg/Kg	☼	117	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*93*		*65 - 125*

Lab Sample ID: 400-218623-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574537 — **Prep Batch: 574538**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	98		59.4	152		mg/Kg	☼	90	10 - 150	10	32

Eurofins Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid)	*92*		*65 - 125*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 400-574737/1-A
Matrix: Solid
Analysis Batch: 574936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574737

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<5.0		5.0		mg/Kg		04/21/22 12:03	04/22/22 14:40	1
Oil Range Organics (ORO)	<5.0		5.0		mg/Kg		04/21/22 12:03	04/22/22 14:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*94*		*27 - 150*	*04/21/22 12:03*	*04/22/22 14:40*	*1*

Lab Sample ID: LCS 400-574737/2-A
Matrix: Solid
Analysis Batch: 574936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574737

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO)			274	221		mg/Kg		81	38 - 116		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	*83*		*27 - 150*

Lab Sample ID: 400-218622-1 MS
Matrix: Solid
Analysis Batch: 574936

Client Sample ID: MW10 (38-39')
Prep Type: Total/NA
Prep Batch: 574737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO)	<6.1		338	306		mg/Kg	☼	91	62 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	*92*		*27 - 150*

Lab Sample ID: 400-218622-1 MSD
Matrix: Solid
Analysis Batch: 574936

Client Sample ID: MW10 (38-39')
Prep Type: Total/NA
Prep Batch: 574737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	<6.1		339	299		mg/Kg	☼	88	62 - 150	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	*89*		*27 - 150*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Canada Mesa #2

Job ID: 400-218622-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-575302/1-A
Matrix: Solid
Analysis Batch: 575647

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<20		20		mg/Kg			04/28/22 10:30	1

Lab Sample ID: LCS 400-575302/2-A
Matrix: Solid
Analysis Batch: 575647

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			99.7	99.8		mg/Kg		100	80 - 120		

Lab Sample ID: LCSD 400-575302/3-A
Matrix: Solid
Analysis Batch: 575647

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			100	100		mg/Kg		100	80 - 120	0	15

Lab Sample ID: 400-218622-1 MS
Matrix: Solid
Analysis Batch: 575647

Client Sample ID: MW10 (38-39')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<25		123	139		mg/Kg	☼	103	80 - 120		

Lab Sample ID: 400-218622-1 MSD
Matrix: Solid
Analysis Batch: 575647

Client Sample ID: MW10 (38-39')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<25		124	140		mg/Kg	☼	103	80 - 120	1	15

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rob Malcomson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-110421-38779.1
Client Contact: Steve Varsa	Phone: 515 251 1019	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #: 193708849
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): Standard			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 515 251 1019	PO #: WD801911			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Canada Mesa #2 EPCGP	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX	8015B_GRO - GRO	8015B_DRO - DRO, ORO	9056_Total_Halo - Chloride	Moisture - Moisture	8260C - BTEX	Special Instructions/Note:
MW10 (38-39')	4/12/22	1105	G	Solid	N	N	X	X	X	X	X		
MW11 (17-18')	4/13/22	1130	G	Solid	N	N	X	X	X	X	X		
Temp Blank	—	—	—	Water	N	N							
~~MW11 (34-35')~~ RSM				Solid	N	N							
Trip Blank	—	—	G	Water	N	N						X	
				Solid									
				Water									

400-218622 COC

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Rob Malcomson Stantec	4/18/22 1700	Stantec	Fed Ex	4/18/22 1700	FedEx
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-19-22/911	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.1°C IR9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-218622-1

Login Number: 218622 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-218622-1
Project/Site: Canada Mesa #2

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	05-31-22

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 200835

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 200835
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2022 Annual Groundwater Report: Content satisfactory 1. Proceed with Planned Future Activities as stated in this report. 2. Submit next annual groundwater monitoring report no later than April 1, 2024.	5/22/2023