2021 ANNUAL GROUNDWATER REPORT

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

See page 4 of 4 for conditions attached to this report along with the previously submitted LNAPL Workplan.

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*" (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 Formerly, the Site was operated by Merrion Oil & Gas Company and is no longer active.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. Monitoring wells MW-8 and MW-9 were installed in 2019. 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 LNAPL recovery began in the second quarter of 2020 and has continued through 2021. Groundwater sampling is being conducted on a semi-annual basis.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via electronic mail (e-mail) to NMOCD on May 12, 2021, and November 3, 2021, prior to initiating groundwater sampling activities at the Site. Copies of the 2021 NMOCD notifications are provided in Appendix A. On May 19, 2021 and November 11, 2021 water levels were gauged at MW-1, MW-2R, MW-3R, and MW-4 through MW-9. On May 19, 2021, groundwater samples were collected from MW-2R, MW-3R, MW-5, and MW-8, and on November 11, 2021, groundwater samples were collected from MW-2R, MW-3R, MW-5, MW-6, MW-7, and MW-8. 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-TestAmerica Laboratories, Inc., in Pensacola, Florida (Eurofins) where they were analyzed for BTEX using EPA Method 8260. One

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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 Basin Disposal, Inc. in Bloomfield, New Mexico (Basin) for disposal. Waste disposal documentation is included as Appendix B.

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 activities is provided in Appendix A. LNAPL was observed in monitoring wells MW-1, MW-4, and MW-9 during the March, May, September, and November LNAPL recovery site visits. Trace LNAPL was observed in MW-2R during the March 2021 site visit.

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 and September site visits was transported to Basin for disposal (Appendix B).

In accordance with the August 23, 2021, *LNAPL Recovery Work Plan*, a mobile dual-phase extraction (MDPE) testing event was scheduled to occur at the Site during the third quarter 2021 to evaluate the effectiveness of MDPE to enhance recovery of LNAPL from monitoring well MW-9. NMOCD notification of the scheduled MDPE event was provided on August 23, 2021 (Attachment A). However, due to washouts of area roads from monsoon rains that occurred in July and August 2021, the primary area road to the Site was found to be inaccessible for the MDPE equipment when an attempt to access the Site was made on September 1, 2021. After an alternative route to the Site was identified, NMOCD was notified on September 15, 2021, of a follow-up attempt to complete the proposed MDPE testing event (Attachment A). However, the access road to the Site was again found to be inaccessible to MDPE equipment due to washout on September 18, 2021. Therefore, a MDPE testing event did not occur on September 18, 2021, and instead a manual LNAPL recovery event was performed. Based on previous 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 analytical and water level data are summarized in Table 2 and Table 3. LNAPL recovery data is summarized on Table 1.

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2021 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix C.

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GROUNDWATER RESULTS

- The groundwater elevations indicate the flow direction at the Site was generally to the east during 2021 (see Figures 4 and 6).
- LNAPL was observed in MW-1, MW-4, and MW-9 during the May and November 2021 groundwater events; therefore, no groundwater samples were collected at these locations.
- The groundwater sample collected in May 2021 from MW-8 equaled 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 2021.
- Toluene was not detected or was detected below the NMWQCC standard in the groundwater samples collected from site monitoring wells in 2021.
- Ethylbenzene was not detected or was detected below the NMWQCC standard in the groundwater samples collected from site monitoring wells in 2021.
- The groundwater sample collected in May 2021 from MW-8 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 2021.
- A field duplicate was collected from monitoring well MW-8 during both 2021 sampling events. There were no significant differences between the primary and duplicate samples except for the May 2021 samples that had the following results: benzene MW-8 10 µg/L and duplicate 1.3 µg/L; ethylbenzene MW-8 390 µg/L and duplicate 15 µg/L; and total xylenes MW-8 1200 µg/L and duplicate 45 µg/L.

Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2021 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

Monitoring well installation activities are planned for Spring 2022 to confirm the extent of LNAPL in the vicinity of MW-9. A work plan to conduct the monitoring well installation activities will be submitted under separate cover.

No additional assessment is planned at this time 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 2022 to facilitate removal of measurable LNAPL where it is present. An alternate plan to address LNAPL at MW-9 is being developed, and a work plan to enhance LNAPL recovery from MW-9 will be submitted under separate cover.

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Groundwater monitoring events will continue be conducted on a semi-annual basis in 2022. 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 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 2022 and their results will be summarized in the 2022 Annual Report, to be submitted by April 1, 2023.

Review of 2021 Annual Groundwater Report and previously submitted Work Plan for Light Non-Aqueous Phase Liquid (LNAPL) Testing Activities dated August 23, 2021: Content satisfactory

1. Continue as stated within the Planned Future Activities of this report.
2. Implement the following as stated within the previously submitted Work plan noted above.

a. Complete a one day MDPE event on MW-9.
b. Perform vapor and/or air monitoring for total volatile organic compounds, oxygen, carbon dioxide, and hydrogen sulfide.
c. A vapor sample will be collected during the MDPE event at the extraction wellhead to evaluate mass removal rates.
d. A second vapor sample will be collected from the MDPE system stack to evaluate the combustion efficiency of the internal combustion engine and to be analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) using Method TO-3, and Total Petroleum Hydrocarbons (TPH) using Method TO-15.
e. Data, results, and conclusions of the MDPE event to be summarized as an attachment and included with the annual groundwater monitoring report
f. Include all of the above and submit within Annual Groundwater Monitoring Report no later than March 31, 2023.

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
			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
			Total:	Trace	0.36	
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
			Total:	9.7	2671	
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
			Total:	8.35	6.89	

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

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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

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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-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
MW-2	12/15/04	6.3	3.8	8	5.9
MW-2	03/22/05	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-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
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

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-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-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
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

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	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
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	09/18/21	NS	NS	NS	NS
MW-3R	11/11/21	<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

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-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-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-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
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-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-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

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-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-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
MW-9	09/18/21	NS	NS	NS	NS
MW-9	11/11/21	NS	NS	NS	NS

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
MW-1	05/21/02	6503.37	NR	34.30		6469.07

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	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
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

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	05/15/12	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-2	11/16/00	6504.34	NR	34.90		6469.44
MW-2	06/04/01	6504.34	NR	34.97		6469.37
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

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	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
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

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	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-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
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

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	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
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-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

TABLE 3- GROUNDWATER ELEVATION RESULTS

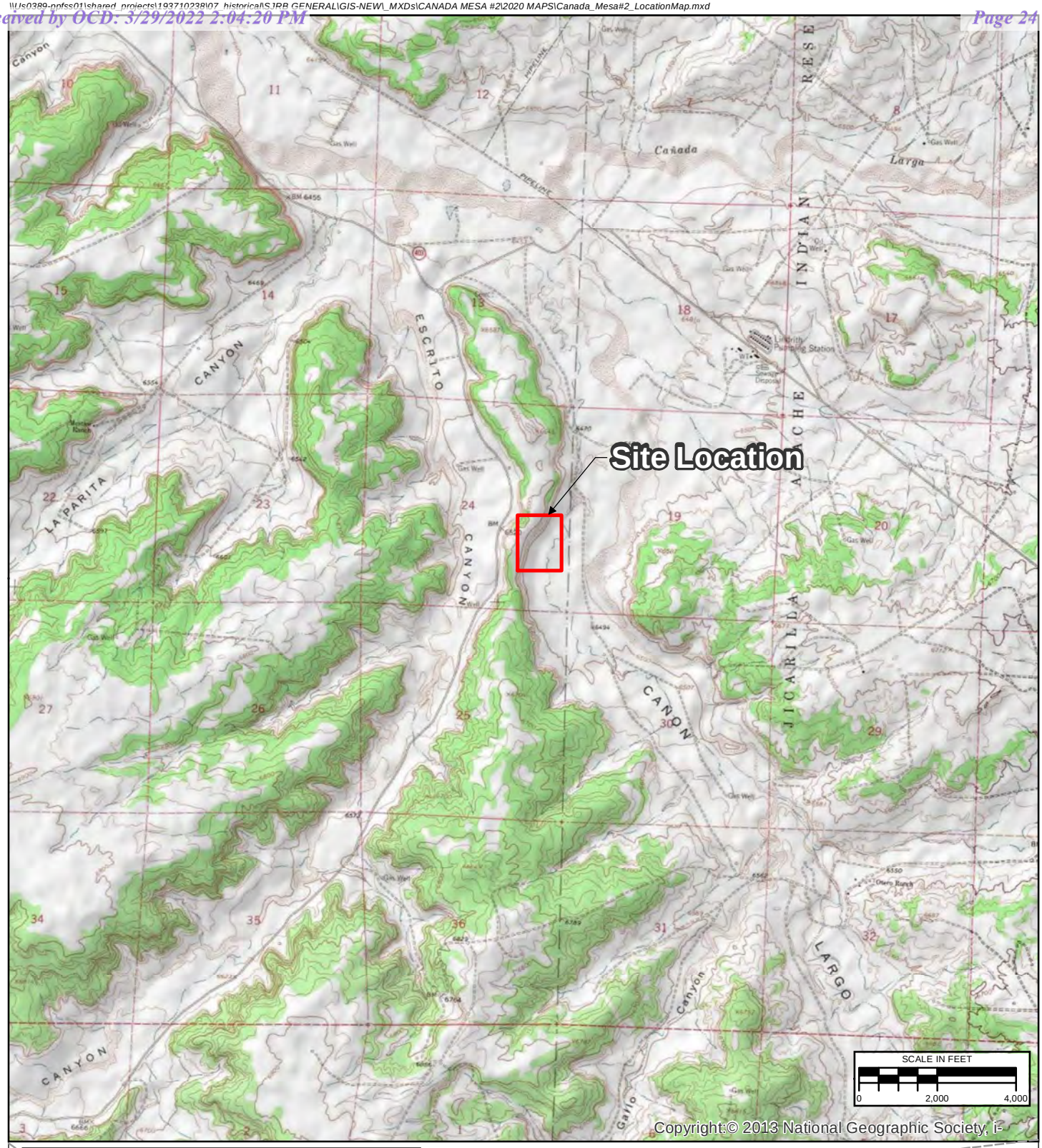
Canada Mesa #2						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	10/18/18	6507.17	39.63	40.82	1.19	6467.24
MW-4	10/27/18	6507.17	ND	39.92		6467.25
MW-4	05/21/19	6507.17	39.60	39.60	<0.01	6467.57
MW-4	11/10/19	6507.17	39.92	40.62	<0.02	6468.57
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-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
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-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-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-8	11/10/19	6508.27	ND	41.21		6467.06
MW-8	05/11/20	6508.27	ND	41.17		6467.10

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-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-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
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	11/11/21	6503.86	37.24	37.74	0.50	6466.49

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)

FIGURES



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

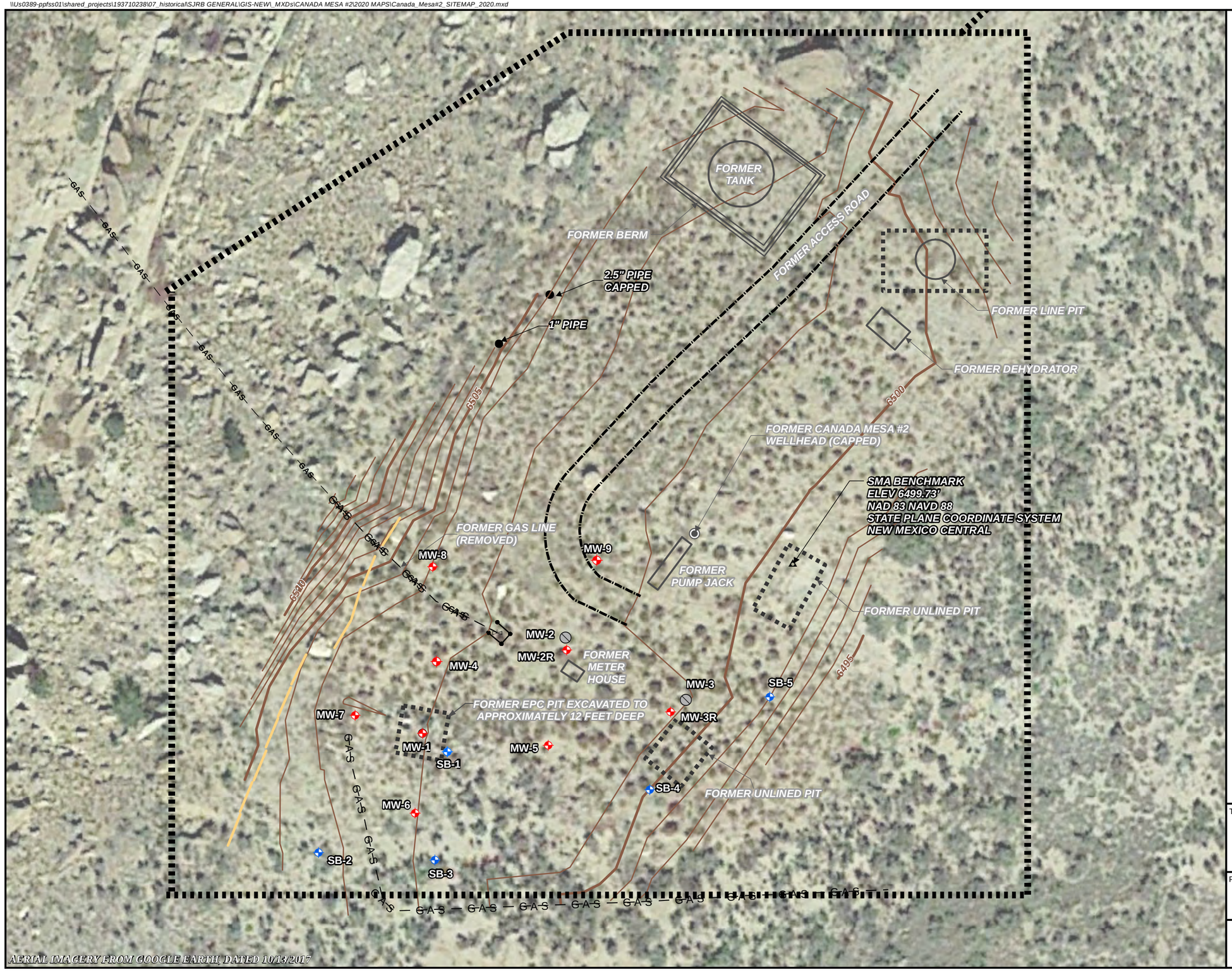
TITLE
SITE LOCATION

Stantec

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

FIGURE
1

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\CANADA MESA #2\2020 MAPS\Canada_Mesa#2_SITEMAP_2020.mxd



LEGEND:

- 6503 — 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	2/20/2021	SLG	SLG	SRV

TITLE:

SITE PLAN

PROJECT:

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

Stantec

Figure No.: 2

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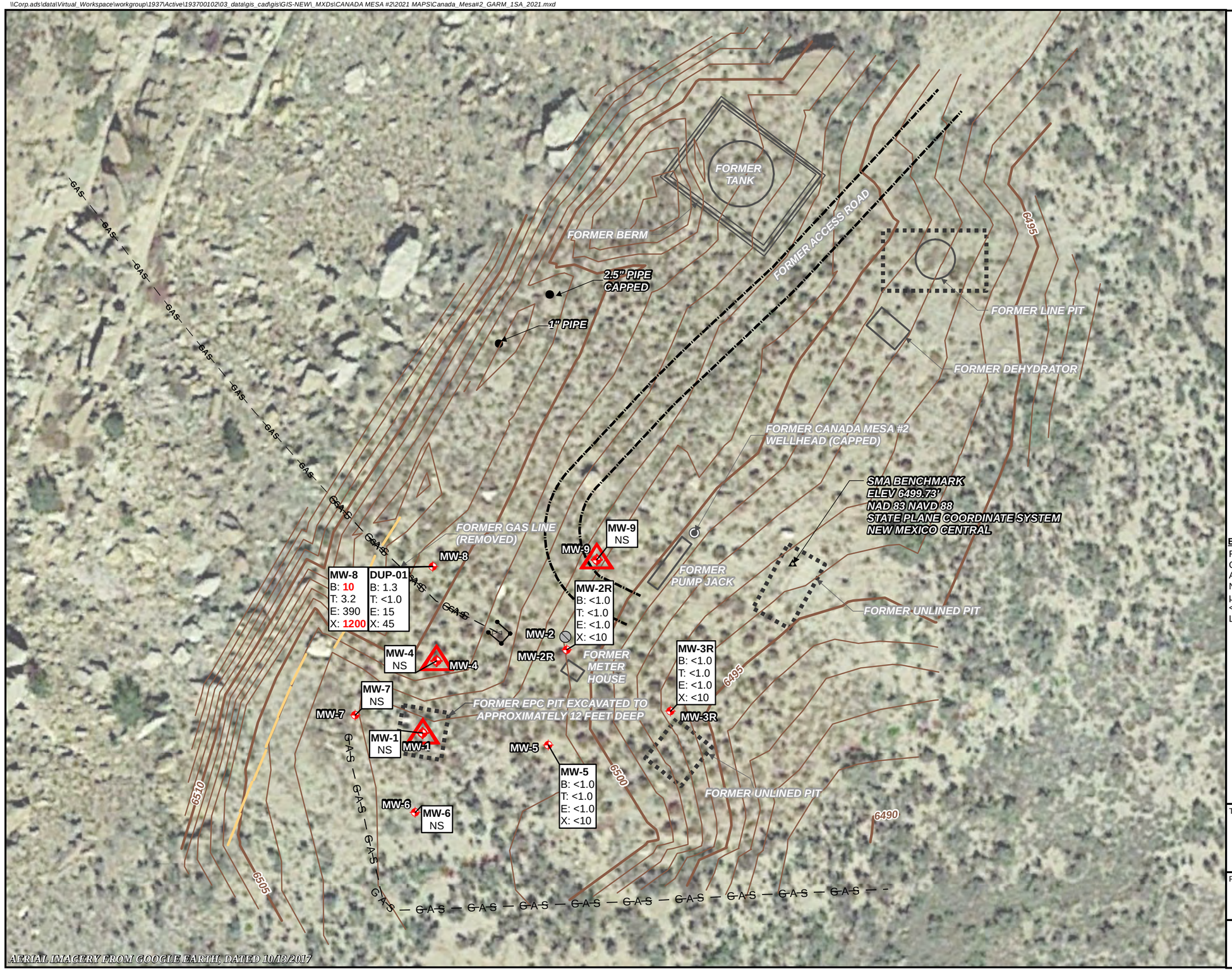


LEGEND:

- 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

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	2022-03-21	SAH	SAH	SRV

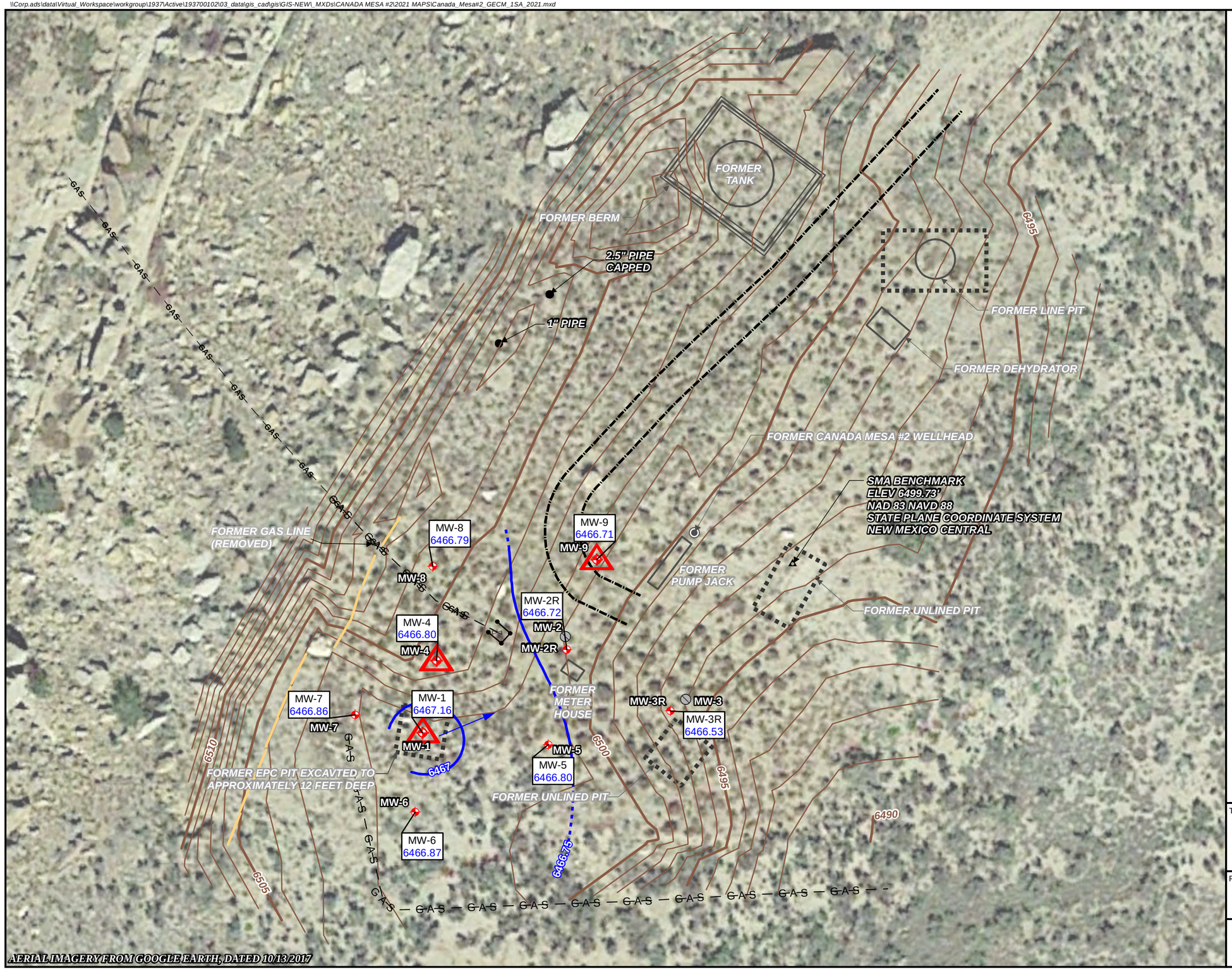
TITLE:
GROUNDWATER ANALYTICAL RESULTS
MAY 19, 2021

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\2021 MAPS\Canada_Mesa#2_GECM_1SA_2021.mxd



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

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-AQUEOU PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-21	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 19, 2021

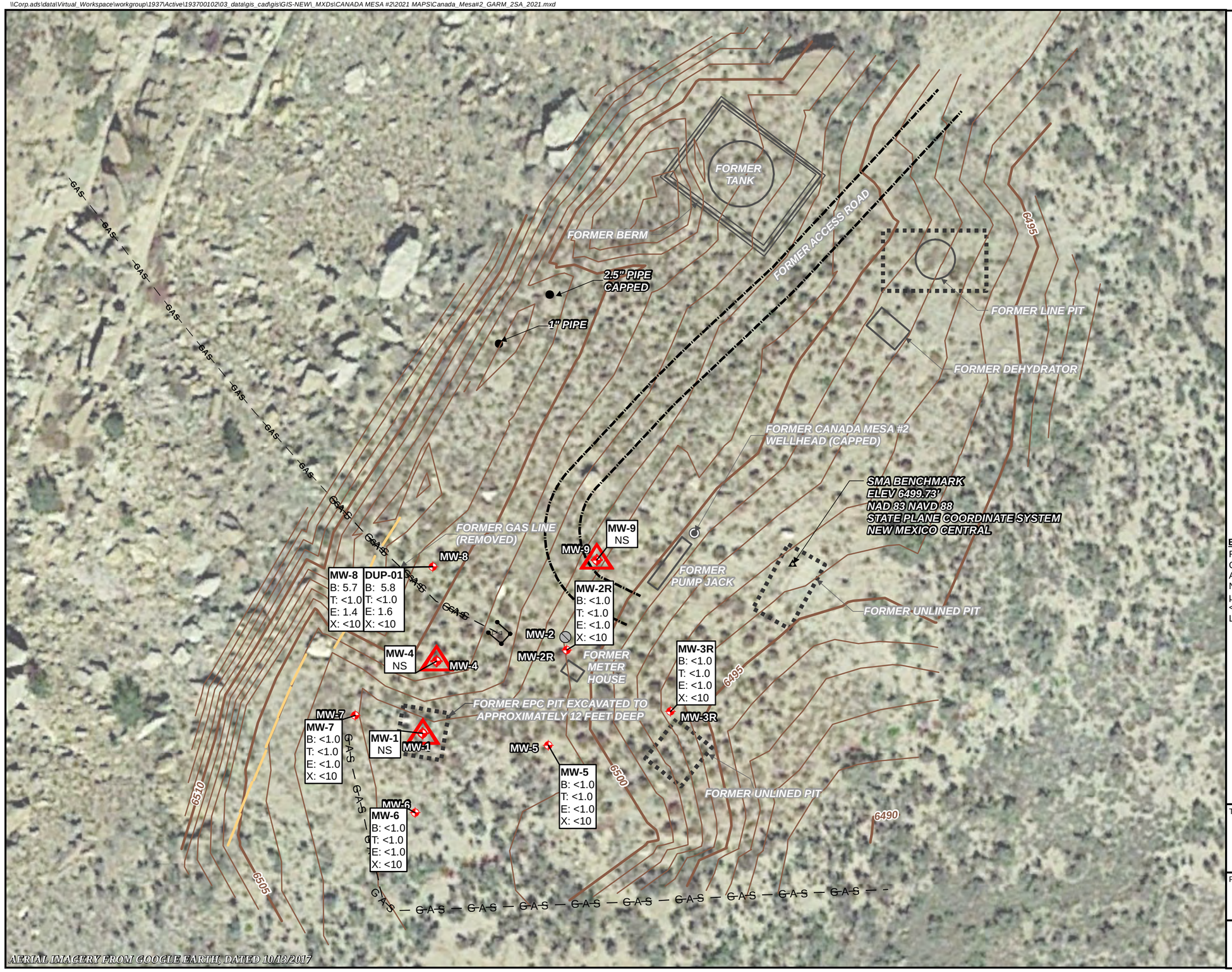
PROJECT:

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

Stantec

Figure No.: **4**

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\CANADA MESA #2\2021 MAPS\Canada_Mesa#2_GARM_2SA_2021.mxd



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

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

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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	2022-03-21	SAH	SAH	SRV

TITLE:
GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 11, 2021

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

Stantec

Figure No.: 5

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\CANADA MESA #2\2021 MAPS\Canada_Mesa#2_GECM_2SA_2021.mxd

FORMER TANK
FORMER BERM
2.5" PIPE CAPPED
1" PIPE
FORMER LINE PIT
FORMER DEHYDRATOR
FORMER CANADA MESA #2 WELLHEAD
SMA BENCHMARK
ELEV 6499.73'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO CENTRAL
FORMER GAS LINE (REMOVED)
FORMER PUMP JACK
FORMER UNLINED PIT
FORMER METER HOUSE
FORMER EPC PIT EXCAVTED TO APPROXIMATELY 12 FEET DEEP
FORMER UNLINED PIT
MW-8 6466.57
MW-9 6466.49
MW-2R 6466.50
MW-4 6466.57
MW-7 6466.64
MW-1 6466.96
MW-5 6466.60
MW-3R 6466.33
MW-6 6466.64
6466.75
6466.50
6510
6505
6500
6495
6490
AERIAL IMAGERY FROM GOOGLE EARTH, DATED 10/13/2017

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
	2022-03-21	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 11, 2021

PROJECT:

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

Stantec

Figure No.: 6

APPENDICES

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTE DISPOSAL DOCUMENTATION

APPENDIX C – GROUNDWATER ANALYTICAL LAB REPORTS

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: Thursday, March 11, 2021 10:49:41 AM

Hi Cory -

This correspondence is to provide notice to the NMOCD of upcoming product recovery activities at the following El Paso CGP Company (EPCGP) project sites:

Site Name	Incident Number	Case Number	Date
Canada Mesa #2	Unknown	3RP-155-0	03/18/2021
Fields A#7A	Unknown	3RP-170-0	03/17/2021
Fogelson 4-1	Unknown	3RP-068-0	03/17/2021
Gallegos Canyon Unit #124E	NAUTOFAB000205	3RP-407-0	03/17/2021
James F. Bell #1E	Unknown	3RP-196-0	03/17/2021
Johnston Fed #4	Unknown	3RP-201-0	03/18/2021
Johnston Fed #6A	Unknown	3RP-202-0	03/18/2021
K27 LDO72	Unknown	3RP-204-0	03/18/2021
Knight #1	Unknown	3RP-207-0	03/17/2021
Lateral L 40 Line Drip	Unknown	3RP-212-0	03/18/2021
State Gas Com N #1	Unknown	3RP-239-0	03/17/2021

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: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, May 12, 2021 2:45:52 PM

Hi Cory -

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	05/19/2021
Fields A#7A	nAUTOfAB000176	05/22/2021
Fogelson 4-1	nAUTOfAB000192	05/22/2021
Gallegos Canyon Unit #124E	nAUTOfAB000205	05/21/2021
GCU Com A #142E	nAUTOfAB000219	05/21/2021
James F. Bell #1E	nAUTOfAB000291	05/23/2021
Johnston Fed #4	nAUTOfAB000305	05/18/2021
Johnston Fed #6A	nAUTOfAB000309	05/18/2021
K27 LDO72	nAUTOfAB000316	05/19/2021
Knight #1	nAUTOfAB000324	05/21/2021
Lateral L 40 Line Drip	nAUTOfAB000335	05/23/2021
Miles Fed #1A	nAUTOfAB000391	05/19/2021
Sandoval GC A #1A	nAUTOfAB000635	05/18/2021
Standard Oil Com #1	nAUTOfAB000666	05/19/2021
State Gas Com N #1	nAUTOfAB000668	05/22/2021

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:	Smith, Cory, EMNRD
Cc:	Griswold, Jim, EMNRD; Wiley, Joe
Bcc:	Varsa, Steve
Subject:	FW: Canada Mesa #2 site (nAUTOfAB000065) - notice of upcoming activities
Date:	Wednesday, September 15, 2021 3:15:00 PM

Hi Cory – due to adverse weather and road conditions, the project described below was delayed and is now to occur on Saturday, September 18, 2021.

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

Thank you,
Steve

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Monday, August 23, 2021 6:24 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Wiley, Joe <joe_wiley@kindermorgan.com>
Subject: Canada Mesa #2 site (nAUTOfAB000065) - notice of upcoming activities

Hi Cory – on behalf of El Paso CGP Company, Stantec is planning to complete free product recovery activities using mobile dual-phase extraction methods at the subject site on September 1, 2021. A work plan will additional details regarding these activities has been submitted in the e-permitting portal.

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
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: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, November 03, 2021 10:14:55 AM

Hi Cory -

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	11/11/2021
Fields A#7A	nAUTOfAB000176	11/14/2021
Fogelson 4-1	nAUTOfAB000192	11/14/2021
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/12/2021
GCU Com A #142E	nAUTOfAB000219	11/12/2021
James F. Bell #1E	nAUTOfAB000291	11/13/2021
Johnston Fed #4	nAUTOfAB000305	11/15/2021
Johnston Fed #6A	nAUTOfAB000309	11/15/2021
K27 LDO72	nAUTOfAB000316	11/11/2021
Knight #1	nAUTOfAB000324	11/12/2021
Lateral L 40 Line Drip	nAUTOfAB000335	11/13/2021
Miles Fed #1A	nAUTOfAB000391	11/11/2021
Sandoval GC A #1A	nAUTOfAB000635	11/15/2021
Standard Oil Com #1	nAUTOfAB000666	11/11/2021
State Gas Com N #1	nAUTOfAB000668	11/14/2021

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

APPENDIX B

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. 806752
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 03-18-21

DEL. TKT#.

GENERATOR: Santec

BILL TO: ~~Hilcorp~~ Santec

HAULING CO. Energy Minerals & Natural Res.

DRIVER: Tyrone
(Print Full Name)

ORDERED BY: Steve Vesa

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		Canada Mesa #2	3	TD			12	
2		K-27 CD072					'21 MAR 18 6:22PM	
3		Johnston Fed #4						
4		Johnston Fed #6A						
5		Lat L40						

I [illegible] representative or authorized agent for [illegible] do hereby

DATE 05-21-21 DEL. TKT#.

GENERATOR: EL PASO BILL TO: EL PASO

HAULING CO. Stratac DRIVER: Sean Clary
(Print Full Name)

ORDERED BY: Joe Wiley 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		Standard Oil Com #1 / Knight #1 / GCU #124E		120				
2		GCU Com A #142E					'21 MAY 21 3:23 PM	
3		Johnston Fed #4 / #6A						
4		Sundoval GC A #1A /						
5		CANADA MESA #2 K-27-20S-32E, Miley Fed #1A						

I, Joe Wiley, 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

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. 814929
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 09-20-21
GENERATOR: Stan Tech
HAULING CO. Sierra
ORDERED BY: Steve B. Vansant

DEL. TKT#.
BILL TO: Stan Tech
DRIVER: harrison (Print Full Name)
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	6	Canada mesa 2	5	70		$	35.00	
2							21 SEP 20 5:47PM	
3								
4								
5								

_____, 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

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. 817438
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-11-21
GENERATOR: El Paso CGP
HAULING CO. Stanlee
ORDERED BY: Jeff

DEL. TKT#.
BILL TO: El Paso CGP
DRIVER: Sean
(Print Full Name)
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		Comada Mesa #2	1	120			Tot	
2		K-27 LD072					'21 NOV 11 4:23PM	
3		Miles Federal #1A						
4		Standard Oil Com #1						
5								

I, _____, 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

APPENDIX C

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-203715-1
Client Project/Site: Canada Mesa #2

For:
Stantec Consulting Services Inc
11153 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Marty Edwards

Authorized for release by:
6/9/2021 9:49:49 AM

Marty Edwards, Client Service Manager
(850)471-6227
Marty.Edwards@Eurofinset.com

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

Laboratory Job ID: 400-203715-1

Table of Contents

Definitions/Glossary

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

Job ID: 400-203715-1

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

Case Narrative

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

Job ID: 400-203715-1

Job ID: 400-203715-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-203715-1

Comments
No additional comments.

Receipt
The samples were received on 5/21/2021 9:07 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 3.5º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-8 (400-203715-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample is a duplicate, however the results do not match any other sample in the job: DUP-01 (400-203715-2). Reanalysis was performed with concurring results.

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

Job ID: 400-203715-1

Client Sample ID: TB-01 Lab Sample ID: 400-203715-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-203715-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	15		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	45		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-2R Lab Sample ID: 400-203715-3

No Detections.

Client Sample ID: MW-3R Lab Sample ID: 400-203715-4

No Detections.

Client Sample ID: MW-5 Lab Sample ID: 400-203715-5

No Detections.

Client Sample ID: MW-8 Lab Sample ID: 400-203715-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	10		2.0		ug/L	2		8260C	Total/NA
Toluene	3.2		2.0		ug/L	2		8260C	Total/NA
Ethylbenzene	390		2.0		ug/L	2		8260C	Total/NA
Xylenes, Total - DL	1200		200		ug/L	20		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

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

Job ID: 400-203715-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-203715-1	TB-01	Water	05/19/21 12:00	05/21/21 09:07	
400-203715-2	DUP-01	Water	05/19/21 13:51	05/21/21 09:07	
400-203715-3	MW-2R	Water	05/19/21 13:05	05/21/21 09:07	
400-203715-4	MW-3R	Water	05/19/21 13:15	05/21/21 09:07	
400-203715-5	MW-5	Water	05/19/21 13:22	05/21/21 09:07	
400-203715-6	MW-8	Water	05/19/21 12:51	05/21/21 09:07	

Client Sample Results

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

Job ID: 400-203715-1

Client Sample ID: TB-01

Date Collected: 05/19/21 12:00
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-1

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			06/02/21 08:51	1
Toluene	<1.0		1.0		ug/L			06/02/21 08:51	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/21 08:51	1
Xylenes, Total	<10		10		ug/L			06/02/21 08:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*06/02/21 08:51*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*06/02/21 08:51*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/02/21 08:51*	*1*

Client Sample Results

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

Job ID: 400-203715-1

Client Sample ID: DUP-01

Date Collected: 05/19/21 13:51
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.3**		1.0		ug/L			06/02/21 09:17	1
Toluene	<1.0		1.0		ug/L			06/02/21 09:17	1
Ethylbenzene	**15**		1.0		ug/L			06/02/21 09:17	1
Xylenes, Total	**45**		10		ug/L			06/02/21 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*06/02/21 09:17*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*06/02/21 09:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/02/21 09:17*	*1*

Client Sample Results

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

Job ID: 400-203715-1

Client Sample ID: MW-2R
Date Collected: 05/19/21 13:05
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-3
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			06/01/21 16:48	1
Toluene	<1.0		1.0		ug/L			06/01/21 16:48	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/21 16:48	1
Xylenes, Total	<10		10		ug/L			06/01/21 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*06/01/21 16:48*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*06/01/21 16:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/01/21 16:48*	*1*

Client Sample Results

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

Job ID: 400-203715-1

Client Sample ID: MW-3R

Date Collected: 05/19/21 13:15
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-4

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			06/01/21 17:15	1
Toluene	<1.0		1.0		ug/L			06/01/21 17:15	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/21 17:15	1
Xylenes, Total	<10		10		ug/L			06/01/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*06/01/21 17:15*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*06/01/21 17:15*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/01/21 17:15*	*1*

Client Sample Results

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

Job ID: 400-203715-1

Client Sample ID: MW-5

Date Collected: 05/19/21 13:22
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-5

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			06/01/21 17:41	1
Toluene	<1.0		1.0		ug/L			06/01/21 17:41	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/21 17:41	1
Xylenes, Total	<10		10		ug/L			06/01/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*06/01/21 17:41*	*1*
Dibromofluoromethane	*112*		*81 - 121*		*06/01/21 17:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/01/21 17:41*	*1*

Client Sample Results

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

Job ID: 400-203715-1

Client Sample ID: MW-8
Date Collected: 05/19/21 12:51
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-6
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10**		2.0		ug/L			06/01/21 18:07	2
Toluene	**3.2**		2.0		ug/L			06/01/21 18:07	2
Ethylbenzene	**390**		2.0		ug/L			06/01/21 18:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*06/01/21 18:07*	*2*
Dibromofluoromethane	*104*		*81 - 121*		*06/01/21 18:07*	*2*
Toluene-d8 (Surr)	*120*		*80 - 120*		*06/01/21 18:07*	*2*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**1200**		200		ug/L			06/02/21 12:41	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*06/02/21 12:41*	*20*
Dibromofluoromethane	*107*		*81 - 121*		*06/02/21 12:41*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/02/21 12:41*	*20*

QC Association Summary

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

Job ID: 400-203715-1

GC/MS VOA

Analysis Batch: 533842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203715-3	MW-2R	Total/NA	Water	8260C	
400-203715-4	MW-3R	Total/NA	Water	8260C	
400-203715-5	MW-5	Total/NA	Water	8260C	
400-203715-6	MW-8	Total/NA	Water	8260C	
MB 400-533842/4	Method Blank	Total/NA	Water	8260C	
LCS 400-533842/1002	Lab Control Sample	Total/NA	Water	8260C	
400-203936-A-4 MS	Matrix Spike	Total/NA	Water	8260C	
400-203936-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 534003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203715-1	TB-01	Total/NA	Water	8260C	
400-203715-2	DUP-01	Total/NA	Water	8260C	
400-203715-6 - DL	MW-8	Total/NA	Water	8260C	
MB 400-534003/4	Method Blank	Total/NA	Water	8260C	
LCS 400-534003/1002	Lab Control Sample	Total/NA	Water	8260C	
400-203673-A-3 MS	Matrix Spike	Total/NA	Water	8260C	
400-203673-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

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

Job ID: 400-203715-1

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

Lab Sample ID: MB 400-533842/4
Matrix: Water
Analysis Batch: 533842

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			06/01/21 08:11	1
Toluene	<1.0		1.0		ug/L			06/01/21 08:11	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/21 08:11	1
Xylenes, Total	<10		10		ug/L			06/01/21 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*06/01/21 08:11*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*06/01/21 08:11*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/01/21 08:11*	*1*

Lab Sample ID: LCS 400-533842/1002
Matrix: Water
Analysis Batch: 533842

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	46.4		ug/L		93	70 - 130		
Toluene			50.0	45.8		ug/L		92	70 - 130		
Ethylbenzene			50.0	48.9		ug/L		98	70 - 130		
Xylenes, Total			100	97.9		ug/L		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*109*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-203936-A-4 MS
Matrix: Water
Analysis Batch: 533842

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	1.7		50.0	51.6		ug/L		100	56 - 142		
Toluene	<1.0		50.0	47.2		ug/L		93	65 - 130		
Ethylbenzene	1.0		50.0	47.4		ug/L		93	58 - 131		
Xylenes, Total	<10		100	92.9		ug/L		91	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-203936-A-4 MSD
Matrix: Water
Analysis Batch: 533842

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	1.7		50.0	49.7		ug/L		96	56 - 142	4	30
Toluene	<1.0		50.0	45.8		ug/L		91	65 - 130	3	30
Ethylbenzene	1.0		50.0	46.8		ug/L		91	58 - 131	1	30

QC Sample Results

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

Job ID: 400-203715-1

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

Lab Sample ID: 400-203936-A-4 MSD
Matrix: Water
Analysis Batch: 533842

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	91.6		ug/L		90	59 - 130	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*109*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 400-534003/4
Matrix: Water
Analysis Batch: 534003

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			06/02/21 08:26	1
Toluene	<1.0		1.0		ug/L			06/02/21 08:26	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/21 08:26	1
Xylenes, Total	<10		10		ug/L			06/02/21 08:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*06/02/21 08:26*	*1*
Dibromofluoromethane	*112*		*81 - 121*		*06/02/21 08:26*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/02/21 08:26*	*1*

Lab Sample ID: LCS 400-534003/1002
Matrix: Water
Analysis Batch: 534003

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	50.3		ug/L		101	70 - 130		
Toluene			50.0	47.8		ug/L		96	70 - 130		
Ethylbenzene			50.0	51.5		ug/L		103	70 - 130		
Xylenes, Total			100	102		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-203673-A-3 MS
Matrix: Water
Analysis Batch: 534003

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	50.0		ug/L		100	56 - 142		
Toluene	<1.0		50.0	45.9		ug/L		92	65 - 130		
Ethylbenzene	<1.0		50.0	47.9		ug/L		96	58 - 131		
Xylenes, Total	<10		100	95.0		ug/L		95	59 - 130		

QC Sample Results

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

Job ID: 400-203715-1

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

Lab Sample ID: 400-203673-A-3 MS
Matrix: Water
Analysis Batch: 534003

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-203673-A-3 MSD
Matrix: Water
Analysis Batch: 534003

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	50.6		ug/L		101	56 - 142	1	30
Toluene	<1.0		50.0	46.7		ug/L		93	65 - 130	2	30
Ethylbenzene	<1.0		50.0	49.0		ug/L		98	58 - 131	2	30
Xylenes, Total	<10		100	97.6		ug/L		98	59 - 130	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Chronicle

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

Job ID: 400-203715-1

Client Sample ID: TB-01
Date Collected: 05/19/21 12:00
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-1
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	534003	06/02/21 08:51	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: DUP-01
Date Collected: 05/19/21 13:51
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-2
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	534003	06/02/21 09:17	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-2R
Date Collected: 05/19/21 13:05
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-3
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	533842	06/01/21 16:48	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-3R
Date Collected: 05/19/21 13:15
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-4
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	533842	06/01/21 17:15	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-5
Date Collected: 05/19/21 13:22
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-5
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	533842	06/01/21 17:41	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-8
Date Collected: 05/19/21 12:51
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203715-6
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		2	5 mL	5 mL	533842	06/01/21 18:07	WPD	TAL PEN
	Instrument ID: CH_TAN									
Total/NA	Analysis	8260C	DL	20	5 mL	5 mL	534003	06/02/21 12:41	WPD	TAL PEN
	Instrument ID: CH_TAN									

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

Eurofins TestAmerica, Pensacola

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-203715-1
Project/Site: Canada Mesa #2

Laboratory: Eurofins TestAmerica, 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	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-22
West Virginia DEP	State	136	06-30-21

Method Summary

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

Job ID: 400-203715-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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

Chain of Custody Record

400-203715 COC

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Client Information	Sampler: SRL, MW	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-102791-36528.1
Client Contact: Steve Varsa	Phone: 913-980-0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: ~~Page 1 of 2~~ 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Canada Mesa #2.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

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:

W-ERG-STW-05-06-21
SRL-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	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
TB-01	5/19/2021	1200	G	Water			2		2	Trip Blank
DUP-01	5/19/2021	1351	G	Water			3		3	Duplicate
MW-2R	5/19/2021	1305	G	Water			3		3	
MW-3R	5/19/2021	1315	G	Water			3		3	
MW-5	5/19/2021	1322	G	Water			3		3	
MW-8	5/19/2021	1251	G	Water			3		3	
				Water						
				Water						
				Water						
				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: Sean R Clary	Date/Time: 5/20/2021 0800	Company: STW	Received by: Fedex
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by: Fedex	Date/Time: 5/20/2021 0800	Company: Fedex	
Received by:	Date/Time: 5/21/21 907	Company: BTA	
Received by:	Date/Time:	Company	

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

Cooler Temperature(s) °C and Other Remarks: 3.5 IR8

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-203715-1

Login Number: 203715 **List Source: Eurofins TestAmerica, 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	3.5°C IR-8
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 400-211185-1
Client Project/Site: Canada Mesa #2

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

Attn: Steve Varsa

Cheyenne Whitmire

Authorized for release by:
11/29/2021 8:34:44 PM

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

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 400-211185-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc
Job ID: 400-211185-1
Project/Site: Canada Mesa #2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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

Case Narrative

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

Job ID: 400-211185-1

Job ID: 400-211185-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-211185-1

Comments
No additional comments.

Receipt
The samples were received on 11/13/2021 9:08 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 1.4° C.

GC/MS VOA
Method 8260C: The matrix spike (MS) recoveries for analytical batch 400-556189 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Job ID: 400-211185-1

Client Sample ID: TB-01 — Lab Sample ID: 400-211185-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-211185-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	5.8		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.6		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-2R — Lab Sample ID: 400-211185-3

No Detections.

Client Sample ID: MW-3R — Lab Sample ID: 400-211185-4

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-211185-5

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-211185-6

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-211185-7

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 400-211185-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	5.7		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.4		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

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

Job ID: 400-211185-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-211185-1	TB-01	Water	11/11/21 07:00	11/13/21 09:08
400-211185-2	DUP-01	Water	11/11/21 09:31	11/13/21 09:08
400-211185-3	MW-2R	Water	11/11/21 08:45	11/13/21 09:08
400-211185-4	MW-3R	Water	11/11/21 08:56	11/13/21 09:08
400-211185-5	MW-5	Water	11/11/21 09:07	11/13/21 09:08
400-211185-6	MW-7	Water	11/11/21 09:17	11/13/21 09:08
400-211185-7	MW-6	Water	11/11/21 09:26	11/13/21 09:08
400-211185-8	MW-8	Water	11/11/21 08:31	11/13/21 09:08

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: TB-01

Date Collected: 11/11/21 07:00
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-1

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			11/21/21 16:28	1
Toluene	<1.0		1.0		ug/L			11/21/21 16:28	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 16:28	1
Xylenes, Total	<10		10		ug/L			11/21/21 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*11/21/21 16:28*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/21/21 16:28*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/21/21 16:28*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: DUP-01

Date Collected: 11/11/21 09:31
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.8**		1.0		ug/L			11/21/21 16:54	1
Toluene	<1.0		1.0		ug/L			11/21/21 16:54	1
Ethylbenzene	**1.6**		1.0		ug/L			11/21/21 16:54	1
Xylenes, Total	<10		10		ug/L			11/21/21 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*72 - 119*		*11/21/21 16:54*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*11/21/21 16:54*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/21/21 16:54*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: MW-2R

Date Collected: 11/11/21 08:45
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-3

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			11/17/21 13:08	1
Toluene	<1.0		1.0		ug/L			11/17/21 13:08	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/21 13:08	1
Xylenes, Total	<10		10		ug/L			11/17/21 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*11/17/21 13:08*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*11/17/21 13:08*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/17/21 13:08*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: MW-3R
Date Collected: 11/11/21 08:56
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-4
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			11/21/21 17:19	1
Toluene	<1.0		1.0		ug/L			11/21/21 17:19	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 17:19	1
Xylenes, Total	<10		10		ug/L			11/21/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 119*		*11/21/21 17:19*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*11/21/21 17:19*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/21/21 17:19*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: MW-5

Date Collected: 11/11/21 09:07
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-5

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			11/21/21 17:44	1
Toluene	<1.0		1.0		ug/L			11/21/21 17:44	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 17:44	1
Xylenes, Total	<10		10		ug/L			11/21/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 119*		*11/21/21 17:44*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/21/21 17:44*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/21/21 17:44*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: MW-7

Date Collected: 11/11/21 09:17
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-6

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			11/21/21 18:09	1
Toluene	<1.0		1.0		ug/L			11/21/21 18:09	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 18:09	1
Xylenes, Total	<10		10		ug/L			11/21/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 119*		*11/21/21 18:09*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/21/21 18:09*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/21/21 18:09*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: MW-6

Date Collected: 11/11/21 09:26
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-7

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			11/21/21 18:34	1
Toluene	<1.0		1.0		ug/L			11/21/21 18:34	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 18:34	1
Xylenes, Total	<10		10		ug/L			11/21/21 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*119*		*72 - 119*		*11/21/21 18:34*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/21/21 18:34*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/21/21 18:34*	*1*

Client Sample Results

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

Job ID: 400-211185-1

Client Sample ID: MW-8

Date Collected: 11/11/21 08:31
Date Received: 11/13/21 09:08

Lab Sample ID: 400-211185-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.7**		1.0		ug/L			11/21/21 18:59	1
Toluene	<1.0		1.0		ug/L			11/21/21 18:59	1
Ethylbenzene	**1.4**		1.0		ug/L			11/21/21 18:59	1
Xylenes, Total	<10		10		ug/L			11/21/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 119*		*11/21/21 18:59*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*11/21/21 18:59*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/21/21 18:59*	*1*

QC Association Summary

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

Job ID: 400-211185-1

GC/MS VOA

Analysis Batch: 556189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211185-3	MW-2R	Total/NA	Water	8260C	
MB 400-556189/4	Method Blank	Total/NA	Water	8260C	
LCS 400-556189/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211182-A-3 MS	Matrix Spike	Total/NA	Water	8260C	
400-211182-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 556817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211185-1	TB-01	Total/NA	Water	8260C	
400-211185-2	DUP-01	Total/NA	Water	8260C	
400-211185-4	MW-3R	Total/NA	Water	8260C	
400-211185-5	MW-5	Total/NA	Water	8260C	
400-211185-6	MW-7	Total/NA	Water	8260C	
400-211185-7	MW-6	Total/NA	Water	8260C	
400-211185-8	MW-8	Total/NA	Water	8260C	
MB 400-556817/5	Method Blank	Total/NA	Water	8260C	
LCS 400-556817/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211165-C-4 MS	Matrix Spike	Total/NA	Water	8260C	
400-211165-C-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

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

Job ID: 400-211185-1

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

Lab Sample ID: MB 400-556189/4
Matrix: Water
Analysis Batch: 556189

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			11/17/21 10:32	1
Toluene	<1.0		1.0		ug/L			11/17/21 10:32	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/21 10:32	1
Xylenes, Total	<10		10		ug/L			11/17/21 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 119*		*11/17/21 10:32*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/17/21 10:32*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/17/21 10:32*	*1*

Lab Sample ID: LCS 400-556189/1002
Matrix: Water
Analysis Batch: 556189

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	51.1		ug/L		102	70 - 130		
Toluene			50.0	56.9		ug/L		114	70 - 130		
Ethylbenzene			50.0	58.2		ug/L		116	70 - 130		
Xylenes, Total			100	116		ug/L		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*72 - 119*
Dibromofluoromethane	*100*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 400-211182-A-3 MS
Matrix: Water
Analysis Batch: 556189

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	58.7		ug/L		117	56 - 142		
Toluene	<1.0		50.0	64.8		ug/L		130	65 - 130		
Ethylbenzene	<1.0	F1	50.0	65.8	F1	ug/L		132	58 - 131		
Xylenes, Total	<10	F1	100	131	F1	ug/L		131	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*72 - 119*
Dibromofluoromethane	*101*		*75 - 126*
Toluene-d8 (Surr)	*104*		*64 - 132*

Lab Sample ID: 400-211182-A-3 MSD
Matrix: Water
Analysis Batch: 556189

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	57.2		ug/L		114	56 - 142	3	30
Toluene	<1.0		50.0	63.5		ug/L		127	65 - 130	2	30
Ethylbenzene	<1.0	F1	50.0	63.4		ug/L		127	58 - 131	4	30

Eurofins TestAmerica, Pensacola

QC Sample Results

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

Job ID: 400-211185-1

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

Lab Sample ID: 400-211182-A-3 MSD
Matrix: Water
Analysis Batch: 556189

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	F1	100	128		ug/L		128	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*72 - 119*
Dibromofluoromethane	*100*		*75 - 126*
Toluene-d8 (Surr)	*105*		*64 - 132*

Lab Sample ID: MB 400-556817/5
Matrix: Water
Analysis Batch: 556817

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			11/21/21 09:21	1
Toluene	<1.0		1.0		ug/L			11/21/21 09:21	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 09:21	1
Xylenes, Total	<10		10		ug/L			11/21/21 09:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*11/21/21 09:21*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/21/21 09:21*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/21/21 09:21*	*1*

Lab Sample ID: LCS 400-556817/1002
Matrix: Water
Analysis Batch: 556817

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	48.9		ug/L		98	70 - 130		
Toluene			50.0	45.4		ug/L		91	70 - 130		
Ethylbenzene			50.0	46.8		ug/L		94	70 - 130		
Xylenes, Total			100	92.3		ug/L		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*79*		*72 - 119*
Dibromofluoromethane	*102*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-211165-C-4 MS
Matrix: Water
Analysis Batch: 556817

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	45.4		ug/L		91	56 - 142		
Toluene	<1.0		50.0	40.1		ug/L		80	65 - 130		
Ethylbenzene	<1.0		50.0	39.9		ug/L		80	58 - 131		
Xylenes, Total	<10		100	79.0		ug/L		79	59 - 130		

QC Sample Results

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

Job ID: 400-211185-1

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

Lab Sample ID: 400-211165-C-4 MS
Matrix: Water
Analysis Batch: 556817

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	85		72 - 119
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	92		64 - 132

Lab Sample ID: 400-211165-C-4 MSD
Matrix: Water
Analysis Batch: 556817

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	47.1		ug/L		94	56 - 142	4	30
Toluene	<1.0		50.0	41.7		ug/L		83	65 - 130	4	30
Ethylbenzene	<1.0		50.0	40.6		ug/L		81	58 - 131	2	30
Xylenes, Total	<10		100	80.9		ug/L		81	59 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	90		72 - 119
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	92		64 - 132

Lab Chronicle

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

Job ID: 400-211185-1

Client Sample ID: TB-01
Lab Sample ID: 400-211185-1
Date Collected: 11/11/21 07:00
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 16:28	EEH	TAL PEN
	Instrument ID: CH_LARS									

Client Sample ID: DUP-01
Lab Sample ID: 400-211185-2
Date Collected: 11/11/21 09:31
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 16:54	EEH	TAL PEN
	Instrument ID: CH_LARS									

Client Sample ID: MW-2R
Lab Sample ID: 400-211185-3
Date Collected: 11/11/21 08:45
Matrix: Water
Date Received: 11/13/21 09:08

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	556189	11/17/21 13:08	BPO	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-3R
Lab Sample ID: 400-211185-4
Date Collected: 11/11/21 08:56
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 17:19	EEH	TAL PEN
	Instrument ID: CH_LARS									

Client Sample ID: MW-5
Lab Sample ID: 400-211185-5
Date Collected: 11/11/21 09:07
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 17:44	EEH	TAL PEN
	Instrument ID: CH_LARS									

Client Sample ID: MW-7
Lab Sample ID: 400-211185-6
Date Collected: 11/11/21 09:17
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 18:09	EEH	TAL PEN
	Instrument ID: CH_LARS									

Lab Chronicle

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

Job ID: 400-211185-1

Client Sample ID: MW-6

Lab Sample ID: 400-211185-7

Date Collected: 11/11/21 09:26
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 18:34	EEH	TAL PEN
	Instrument ID: CH_LARS									

Client Sample ID: MW-8

Lab Sample ID: 400-211185-8

Date Collected: 11/11/21 08:31
Matrix: Water
Date Received: 11/13/21 09:08

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	556817	11/21/21 18:59	EEH	TAL PEN
	Instrument ID: CH_LARS									

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 400-211185-1

Laboratory: Eurofins TestAmerica, 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
Arizona	State	AZ0710	01-12-22
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
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	11-30-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
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
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Method Summary

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

Job ID: 400-211185-1

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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins TestAmerica, 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: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105793-37668.1
Client Contact: Steve Varsa	Phone: 913-980-0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: WD801946			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Canada Mesa #2.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

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, Z - other (specify)

Other:

400-211185 COC

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)	Total Number of containers	Special Instructions/Note:
SAH-01										
Preservation Code:							A	N		
TB-01	11/11/21	0700	G	Water						Trip Blank
DUP-01	11/11/21	0931	G	Water						Blind Dup
MW-2R	11/11/21	0845	G	Water				3	3	
MW-3R	11/11/21	0856	G	Water			3		3	
MW-5	11/11/21	0907	G	Water			3		3	
MW-7	11/11/21	0917	G	Water			3		3	
MW-6	11/11/21	0926	G	Water			3		3	
MW-8	11/11/21	0837	G	Water			3		3	

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: Sam N Clay	Date/Time: 11/12/21 1230	Company SN	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by: AA

Date/Time: 11.13.21 09:08 Company

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

Cooler Temperature(s) °C and Other Remarks: 1.4°C IR7

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-211185-1

Login Number: 211185 **List Source: Eurofins TestAmerica, 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	1.4°C IR7
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	

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 94004

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 94004
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 Annual Groundwater Report and previously submitted Work Plan for Light Non-Aqueous Phase Liquid (LNAPL) Testing Activities dated August 23, 2021: Content satisfactory 1. Continue as stated within the Planned Future Activities of this report. 2. Implement the following as stated within the previously submitted Work plan noted above. a. Complete a one day MDPE event on MW-9. b. Perform vapor and/or air monitoring for total volatile organic compounds, oxygen, carbon dioxide, and hydrogen sulfide. c. A vapor sample will be collected during the MDPE event at the extraction wellhead to evaluate mass removal rates. d. A second vapor sample will be collected from the MDPE system stack to evaluate the combustion efficiency of the internal combustion engine and to be analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) using Method TO-3, and Total Petroleum Hydrocarbons (TPH) using Method TO-15. e. Data, results, and conclusions of the MDPE event to be summarized as	6/3/2022