2022 ANNUAL GROUNDWATER REPORT

Fields A#7A
Incident Number: nAUTOfAB000176
Meter Code: 89961
T32N, R11W, Sec 34, Unit E

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

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

SITE DETAILS

Site Location: Latitude: 36.944245 N, Longitude: -107.982116 W
Land Type: Federal
Operator: Simcoe

SITE BACKGROUND

Environmental remediation activities at Fields A#7A (Site) are managed pursuant to the procedures set forth in the document entitled, "*Remediation Plan for Groundwater Encountered During Pit Closure Activities*" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company (EPCGP's) program methods. Currently, the Site is operated by Simcoe LLC (Simcoe), and is active. According to NMOCD records, Simcoe assumed operation of the Site from BP America Production Company (BP), on February 28, 2020.

The Site is located on Federal land. An initial site assessment was completed in August 1994, and an excavation to approximately 12 feet below ground surface (bgs) was completed in September of 1994, removing approximately 70 cubic yards (cy) of soil. Monitoring wells MW-1, MW-2, MW-3 and MW-4 were installed in 1995. Temporary piezometers PZ-1 through PZ-5 were installed and removed in 1997. In 2016, monitoring wells MW-4R and MW-5 though MW-11 were installed, and monitoring wells MW-2 through MW-4 were abandoned. In 2022, monitoring wells MW-12 and MW-13 were installed. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells, piezometers, soil borings, 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-6 and MW-8. Quarterly manual LNAPL recovery began in the second quarter of 2020 and has continued through 2022. Groundwater sampling is conducted on a semi-annual basis pursuant to the September 18, 2017 *Groundwater Monitoring Plan*, approved by the NMOCD.

MONITORING WELL INSTALLATION ACTIVITIES

The planned monitoring well locations for MW-12 and MW-13 were staked for permitting and utility locating purposes prior to completing public 811 locating activities. The monitoring well advancement and installation activities were completed in accordance with the March 29, 2022 *Monitoring Well Installation Work Plan*, subsequently approved by the NMOCD. The NMOCD was notified of the start of the monitoring well installation activities on April 11, 2022 (Appendix A).

Two monitoring wells (MW-12 and MW-13) were advanced and installed in April 2022, to further characterize the extent of the dissolved-phase hydrocarbons at the Site. Ground surface and casing elevations of the new monitoring wells were subsequently surveyed to tie-in to the existing monitoring well network.

Monitoring wells were constructed of 2-inch-diameter, Schedule 40 polyvinyl chloride (PVC), with 0.010-inch, continuous, factory-slotted PVC screen. The two monitoring wells were installed with 20 foot well screens, set from 26 to 46 feet bgs at MW-12 and set from 20 to 40 feet bgs at MW-13. The monitoring wells were installed at depths that bisected the field-observed or expected water table. A 3-

foot seal of bentonite chips was placed above the sandpack and hydrated, and the remaining annular space filled with bentonite grout. The two monitoring wells were completed as flush-mount wells with locking protective casings and a concrete surface completion. Borehole logs and well construction diagrams, and associated New Mexico Office of the State Engineer forms, for MW-12 and MW-13, are provided in Appendix B.

During advancement of the monitoring wells, one soil sample at MW-12 and two soil samples at MW-13 were retained from above the field-interpreted water table and placed in a 4-ounce jar for laboratory analysis. Retained sample jars were stored in an ice-filled cooler and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC, in Pensacola, Florida (Eurofins). The soil samples were analyzed for the presence of benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to United States Environmental Protection Agency (EPA) Method SW846 8021B, gasoline range organics, diesel range organics, and motor oil range organics using EPA Method 8015B; and chloride according to EPA Method 325.2.

Monitoring well development was performed using a down-hole pump until visibly clear groundwater was observed. Development and decontamination water were containerized and transported to Envirotech, Inc. (Envirotech), located south of Bloomfield, NM for disposal. Soil cuttings generated during drilling were drummed and transported to Envirotech for disposal. Disposal documentation for the wastewater and soil cuttings generated during drilling is contained in Appendices C and D, respectively.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on May 12, 2022, and October 26, 2022, prior to initiating groundwater sampling activities at the Site. Copies of the 2022 NMOCD notifications are provided in Appendix A. On May 21 and October 31, 2022, water levels were gauged at MW-1, MW-4R, and MW-5 through MW-13. During both events, groundwater samples were collected from monitoring wells MW-1, MW-4R, MW-5, MW-7, MW-10, MW-12, and MW-13, and a sample was also collected from MW-8 during the October 2022 event. LNAPL was detected at MW-6 during both events and at MW-8 during the May 2022 event; therefore, no groundwater samples were collected from these locations. Groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event approximately 0.5 foot above termination depth of the monitoring wells using a suspension tether and stainless-steel weights to collect a groundwater sample from 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. One trip blank and one blind field duplicate were also collected during each sampling event. Each groundwater sample, field blank, and trip blank were analyzed for BTEX using United States Environmental Protection Agency (EPA) Method 8260.

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

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LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities in the second calendar quarter of 2020. Documentation of NMOCD notification of site LNAPL recovery activities in 2022 is provided in Appendix A. LNAPL was observed in monitoring well MW-8 during the March, May, and July 2022 LNAPL recovery events, and in MW-6 during the March, May, July, and October events. Due to the presence of measurable LNAPL in monitoring well MW-6, BP monitoring well BPMW-2 was also gauged during the March, July, and October events. BPMW-2 was not accessible during the May 2022 event.

The LNAPL recovery data is summarized on Table 1. During the groundwater sampling site visits in May and October 2022, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the March site visit was transported for disposal at Basin Disposal, Inc. in Bloomfield, NM and recovered LNAPL from the August site visit was disposed at Envirotech (Appendix C).

SUMMARY TABLES

Historic groundwater analytical results and well gauging data are summarized in Tables 2 and 3, respectively. LNAPL recovery data is summarized on Table 1. Soil analytical data is summarized in Table 4.

SITE MAPS

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

ANALYTICAL LAB REPORTS

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

GROUNDWATER RESULTS

- The groundwater elevations indicate the flow direction at the Site was to the southwest during the May and October 2022 gauging events (see Figures 4 and 6).
- LNAPL was detected at MW-6 during both events and at MW-8 during the May 2022 event; therefore, no groundwater samples were collected from these locations.
- Groundwater samples collected in May and October 2022 from monitoring well MW-1 and MW-7 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Benzene was either below the NMWQCC standard or was not detected in the groundwater samples collected from other Site wells in 2022.

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- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or were not detected in each of the Site monitoring wells sampled in 2022.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in each of the Site monitoring wells sampled in 2022.
- Concentrations of total xylenes were either below the NMWQCC standard (620 µg/L) or were not detected in each of the Site monitoring wells sampled in 2022.
- A field duplicate was collected from MW-1 for the May and October 2022 semi-annual monitoring event. There were no significant differences between the primary and duplicate samples in 2022.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2022 groundwater monitoring events.

SOIL RESULTS

- Soil samples were collected from the borings during advancement of monitoring wells MW-12 and MW-13. Results are shown in tabular format in Table 4 and graphically in Figure 7.
- Concentrations of benzene were not detected in soil samples collected during advancement of MW-12 and MW-13.
- Concentrations of total BTEX were not detected in soil samples collected during advancement of MW-12 and MW-13.
- The concentration of TPH in the soil sample retained from 13-14 feet bgs during advancement of MW-13 exceeded the applicable NMOCD soil closure criteria (100 mg/kg). TPH concentrations were below the applicable NMOCD soil closure criteria in the other soil samples retained during advancement of MW-12 and MW-13.
- Concentrations of chloride were either less than the applicable NMOCD soil closure criteria (600 mg/kg) or not detected in soil samples collected during advancement of MW-12 and MW-13.

PLANNED FUTURE ACTIVITIES

Groundwater monitoring events will be conducted on a semi-annual basis in 2023, pursuant to the September 18, 2017 *Groundwater Monitoring Plan.* Groundwater samples will be collected from monitoring wells not containing LNAPL and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event.

Quarterly Site visits will continue at the Site in 2023 to facilitate removal of measurable LNAPL from EPCGP monitoring wells, where present.

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

EPCGP will await NMOCD receipt and review of information pertaining to the BP release at the Site before determining what, if any, additional work may be required of EPCGP.

TABLES

TABLE 1 - LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

Fields A#7A						
Well ID - MW-6	**Depth to LNAPL (Feet)**	**Depth to Water (Feet)**	**Measured Thickness (Feet)**	**LNAPL Recovered (gal)**	**Water Recovered (gal)**	**Recovery Type**
Date						
5/22/2021	31.87	32.45	0.58	0.09	0.05	manual
8/22/2021	32.04	32.15	0.11	0.32	0.74	manual
11/14/2021	32.02	32.88	0.86	0.83	1.03	manual
3/22/2022	32.19	33.02	0.83	0.46	0.32	manual
5/21/2022	32.26	32.92	0.66	0.57	0.24	manual
7/30/2022	32.41	32.90	0.49	0.29	0.34	manual
10/31/2022	31.84	32.17	0.33	0.09	0.88	manual
			Total:	2.65	3.60	
Well ID - MW-8						
5/17/2018	28.34	28.34	<0.01	<0.01	NR	manual
11/26/2018	28.78	28.78	<0.01	<0.01	0.01	manual
5/23/2019	28.19	28.65	0.46	0.07	NR	manual
11/13/2019	28.41	28.79	0.38	0.10	0.01	manual
5/13/2020	29.03	29.51	0.48	0.24	0.17	manual
8/18/2020	29.16	29.26	0.10	0.08	0.25	manual
11/14/2020	29.28	29.32	0.04	<0.01	0.14	manual
3/17/2021	29.44	29.47	0.03	0.01	0.49	manual
5/22/2021	29.60	29.71	0.11	<0.01	0.07	manual
8/22/2021	29.75	29.75	<0.01	<0.01	0.13	manual
11/14/2021	29.81	29.90	0.09	<0.01	0.32	manual
3/22/2022	29.91	30.06	0.15	0.02	0.16	manual
5/21/2022	29.99	30.00	0.01	<0.01	0.08	manual
7/30/2022	30.08	30.10	0.02	<0.01	0.05	manual
			Total:	0.52	1.88	

Notes:
NR = Not Recorded.
gal = gallons
"LNAPL" = Light non-aqueous phase liquid
LNAPL recovery data for 2003 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	08/09/95	1950	1946	115	1361
MW-1	01/03/96	3150	5280	361	3460
MW-1	04/18/96	1300	2140	119	1240
MW-1	05/08/96	NS	NS	NS	NS
MW-1	07/29/96	503	804	28	363
MW-1	10/21/96	843	1300	26	422
MW-1	01/30/97	1300	2200	76.8	966
MW-1	04/21/97	951	1920	73	894
MW-1	01/30/01	NS	NS	NS	NS
MW-1	02/08/01	NS	NS	NS	NS
MW-1	02/16/01	NS	NS	NS	NS
MW-1	02/17/01	NS	NS	NS	NS
MW-1	02/26/01	NS	NS	NS	NS
MW-1	03/05/01	NS	NS	NS	NS
MW-1	04/11/01	NS	NS	NS	NS
MW-1	06/05/01	NS	NS	NS	NS
MW-1	06/15/01	NS	NS	NS	NS
MW-1	07/06/01	NS	NS	NS	NS
MW-1	07/13/01	NS	NS	NS	NS
MW-1	07/20/01	NS	NS	NS	NS
MW-1	08/01/01	NS	NS	NS	NS
MW-1	08/08/01	NS	NS	NS	NS
MW-1	08/18/01	NS	NS	NS	NS
MW-1	08/20/01	NS	NS	NS	NS
MW-1	09/05/01	NS	NS	NS	NS
MW-1	09/21/01	NS	NS	NS	NS
MW-1	09/26/01	NS	NS	NS	NS
MW-1	10/03/01	NS	NS	NS	NS
MW-1	10/10/01	NS	NS	NS	NS
MW-1	12/04/01	NS	NS	NS	NS
MW-1	12/13/01	NS	NS	NS	NS
MW-1	12/21/01	NS	NS	NS	NS
MW-1	12/28/01	NS	NS	NS	NS
MW-1	01/07/02	NS	NS	NS	NS
MW-1	01/23/02	NS	NS	NS	NS
MW-1	01/31/02	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	03/21/02	NS	NS	NS	NS

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Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	03/28/02	NS	NS	NS	NS
MW-1	04/04/02	NS	NS	NS	NS
MW-1	04/12/02	NS	NS	NS	NS
MW-1	04/19/02	NS	NS	NS	NS
MW-1	04/25/02	NS	NS	NS	NS
MW-1	05/03/02	NS	NS	NS	NS
MW-1	05/10/02	NS	NS	NS	NS
MW-1	05/17/02	NS	NS	NS	NS
MW-1	05/24/02	NS	NS	NS	NS
MW-1	05/31/02	NS	NS	NS	NS
MW-1	06/06/02	NS	NS	NS	NS
MW-1	06/14/02	NS	NS	NS	NS
MW-1	06/21/02	NS	NS	NS	NS
MW-1	06/27/02	NS	NS	NS	NS
MW-1	07/02/02	NS	NS	NS	NS
MW-1	07/11/02	NS	NS	NS	NS
MW-1	07/18/02	NS	NS	NS	NS
MW-1	08/21/02	NS	NS	NS	NS
MW-1	10/01/02	NS	NS	NS	NS
MW-1	01/15/03	NS	NS	NS	NS
MW-1	04/27/03	NS	NS	NS	NS
MW-1	07/16/03	NS	NS	NS	NS
MW-1	10/27/03	NS	NS	NS	NS
MW-1	01/26/04	121	54	15.8	216
MW-1	04/21/04	116	58.1	29.3	83.3
MW-1	07/27/04	NS	NS	NS	NS
MW-1	10/18/04	NS	NS	NS	NS
MW-1	01/25/05	NS	NS	NS	NS
MW-1	04/18/05	108	29	14.2	274
MW-1	10/22/05	180	69.2	6.3	154
MW-1	04/25/06	83.7	23.8	2.1 J	82.5
MW-1	10/24/06	254	108	4	169
MW-1	04/24/07	106	37.2	3.3	112
MW-1	10/29/07	NS	NS	NS	NS
MW-1	04/21/08	246	38.3	1.6 J	81.3
MW-1	10/09/08	NS	NS	NS	NS
MW-1	04/07/09	25.5	11	0.6 J	21.5
MW-1	11/04/09	NS	NS	NS	NS
MW-1	05/24/10	100	43.8	1.1 J	56.9
MW-1	11/02/10	NS	NS	NS	NS

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	05/04/11	158	2.6	2.4	12.1
MW-1	11/01/11	NS	NS	NS	NS
MW-1	05/07/12	27.1	8.7	1.1	14.2
MW-1	06/07/13	910	110	14.0	170
MW-1	09/12/13	130	13	3.1	29
MW-1	12/13/13	380	30	4.7	98
MW-1	04/05/14	66	11	<0.20	10
MW-1	10/21/14	93	3.8	2.1	23
MW-1	05/31/15	230	12	2.5	43
MW-1	11/22/15	440	8.6	2.7	34
MW-1	04/15/16	150	29	2.3	36
MW-1	10/14/16	22	<5.0	<1.0	<5.0
MW-1	06/06/17	410	43	5.5	68
MW-1	11/13/17	390	27	4.9	64
MW-1	05/17/18	570	14	7.9	69
MW-1	10/26/18	770	25	15.0	170
MW-1	05/23/19	380	14	5.9	77
MW-1	11/13/19	750	18	<10	120
MW-1	05/13/20	160	4.1	<1.0	16
MW-1	11/14/20	790	34	8.0	280
DP-01(MW-1)*	11/14/20	720	31	7.9	280
MW-1	05/22/21	86	2.4	<1.0	<10
DP-01(MW-1)*	05/22/21	37	1.1	<1.0	<10
MW-1	11/14/21	600	<5.0	<5.0	50
DP-01(MW-1)*	11/14/21	780	6.6	<5.0	70
MW-1	05/21/22	130	6.5	<1.0	13
DP-01(MW-1)*	05/21/22	150	6.8	1.1	14
MW-1	10/31/22	290	2.5	4.1	74
DP-01(MW-1)*	10/31/22	350	3.5	5.4	100
MW-2	01/03/96	28.8	<2.5	297.0	1169
MW-2	04/18/96	<1	<1	2.6	<3
MW-2	05/08/96	NS	NS	NS	NS
MW-2	07/29/96	<2	<2	<2	<6
MW-2	10/21/96	<1	<1	<1	<3
MW-2	01/30/97	<2	<2	<2	<6
MW-2	04/21/97	<1	<1	<1	<3
MW-2	04/13/01	<0.5	<0.5	<0.5	<0.5
MW-2	06/05/01	NS	NS	NS	NS
MW-2	07/20/01	NS	NS	NS	NS

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	08/20/01	NS	NS	NS	NS
MW-2	05/17/02	NS	NS	NS	NS
MW-2	10/27/03	NS	NS	NS	NS
MW-2	04/21/04	NS	NS	NS	NS
MW-2	04/18/05	<1	<1	<1	<2
MW-2	04/21/08	<2	<2	<2	<6
MW-2	11/02/10	NS	NS	NS	NS
MW-2	05/04/11	0.38 J	<1	<1	<3
MW-2	11/01/11	NS	NS	NS	NS
MW-2	05/07/12	NS	NS	NS	NS
MW-2	06/07/13	NS	NS	NS	NS
MW-2	09/12/13	NS	NS	NS	NS
MW-2	12/13/13	NS	NS	NS	NS
MW-2	04/05/14	NS	NS	NS	NS
MW-2	10/21/14	NS	NS	NS	NS
MW-2	05/31/15	NS	NS	NS	NS
MW-2	11/22/15	NS	NS	NS	NS
MW-2	04/15/16	NS	NS	NS	NS
MW-2 abandoned on August 22, 2016					
MW-3	01/03/96	176	16.4	225.0	1550
MW-3	04/18/96	129	<2	212.0	463
MW-3	05/08/96	NS	NS	NS	NS
MW-3	07/29/96	212	<2	167.0	393
MW-3	10/21/96	165	<1	157.0	467
MW-3	01/30/97	144	<1	198.0	851
MW-3	04/21/97	2070	4340	332.0	4730
MW-3	04/13/01	120	5.2	<5	80
MW-3	06/05/01	NS	NS	NS	NS
MW-3	07/20/01	NS	NS	NS	NS
MW-3	08/20/01	NS	NS	NS	NS
MW-3	04/02/02	NS	NS	NS	NS
MW-3	05/17/02	NS	NS	NS	NS
MW-3	01/25/05	NS	NS	NS	NS
MW-3	04/18/05	<1	<1	<1	<2
MW-3	10/22/05	NS	NS	NS	NS
MW-3	04/25/06	46.4	<5	<5	<10
MW-3	10/24/06	NS	NS	NS	NS
MW-3	04/24/07	179	<5	12.3	37.9
MW-3	10/29/07	NS	NS	NS	NS

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NMWQCC Standards:		10	750	750	620
MW-3	04/21/08	140	2.5	2.7	16.9
MW-3	10/09/08	NS	NS	NS	NS
MW-3	04/07/09	182	<50	<50	<100
MW-3	11/04/09	NS	NS	NS	NS
MW-3	05/24/10	NS	NS	NS	NS
MW-3	11/02/10	NS	NS	NS	NS
MW-3	05/04/11	5.7	<1	0.42 J	<3
MW-3	11/01/11	NS	NS	NS	NS
MW-3	05/07/12	14.6	<1	0.3 J	2.5 J
MW-3	06/07/13	NS	NS	NS	NS
MW-3	09/12/13	NS	NS	NS	NS
MW-3	12/13/13	NS	NS	NS	NS
MW-3	04/05/14	NS	NS	NS	NS
MW-3	10/21/14	NS	NS	NS	NS
MW-3	05/31/15	NS	NS	NS	NS
MW-3	11/22/15	NS	NS	NS	NS
MW-3	04/15/16	NS	NS	NS	NS
MW-3 abandoned on August 22, 2016					
MW-4	01/03/96	2470	1880	206.0	2350
MW-4	04/18/96	4760	2460	235.0	1880
MW-4	01/00/00	NS	NS	NS	NS
MW-4	07/29/96	1830	2380	106.0	967
MW-4	10/21/96	3320	4520	149.0	1680
MW-4	01/30/97	4320	7420	280.0	3250
MW-4	04/21/97	2410	5170	219.0	2530
MW-4	06/05/01	NS	NS	NS	NS
MW-4	06/15/01	NS	NS	NS	NS
MW-4	07/06/01	NS	NS	NS	NS
MW-4	07/13/01	NS	NS	NS	NS
MW-4	07/20/01	NS	NS	NS	NS
MW-4	08/01/01	NS	NS	NS	NS
MW-4	08/08/01	NS	NS	NS	NS
MW-4	08/16/01	NS	NS	NS	NS
MW-4	08/20/01	NS	NS	NS	NS
MW-4	09/05/01	NS	NS	NS	NS
MW-4	09/21/01	NS	NS	NS	NS
MW-4	09/26/01	NS	NS	NS	NS
MW-4	10/03/01	NS	NS	NS	NS
MW-4	10/10/01	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	12/04/01	NS	NS	NS	NS
MW-4	12/13/01	NS	NS	NS	NS
MW-4	12/21/01	NS	NS	NS	NS
MW-4	12/28/01	NS	NS	NS	NS
MW-4	01/07/02	NS	NS	NS	NS
MW-4	01/23/02	NS	NS	NS	NS
MW-4	01/31/02	NS	NS	NS	NS
MW-4	02/07/02	NS	NS	NS	NS
MW-4	02/14/02	NS	NS	NS	NS
MW-4	02/20/02	NS	NS	NS	NS
MW-4	03/21/02	NS	NS	NS	NS
MW-4	04/04/02	NS	NS	NS	NS
MW-4	05/17/02	NS	NS	NS	NS
MW-4	05/24/02	NS	NS	NS	NS
MW-4	05/31/02	NS	NS	NS	NS
MW-4	06/06/02	NS	NS	NS	NS
MW-4	06/14/02	NS	NS	NS	NS
MW-4	07/18/02	NS	NS	NS	NS
MW-4	10/01/02	NS	NS	NS	NS
MW-4	01/15/03	NS	NS	NS	NS
MW-4	01/26/04	NS	NS	NS	NS
MW-4	04/21/04	NS	NS	NS	NS
MW-4	07/27/04	NS	NS	NS	NS
MW-4	10/18/04	NS	NS	NS	NS
MW-4	01/25/05	NS	NS	NS	NS
MW-4	04/18/05	NS	NS	NS	NS
MW-4	04/21/08	1580	679	6.8 J	3900
MW-4	10/09/08	NS	NS	NS	NS
MW-4	04/07/09	695	206	<50	745
MW-4	11/04/09	NS	NS	NS	NS
MW-4	05/24/10	NS	NS	NS	NS
MW-4	11/02/10	NS	NS	NS	NS
MW-4	05/04/11	NS	NS	NS	NS
MW-4	11/01/11	533	207	<10	419
MW-4	05/07/12	NS	NS	NS	NS
MW-4	06/07/13	NS	NS	NS	NS
MW-4	09/12/13	NS	NS	NS	NS
MW-4	12/13/13	NS	NS	NS	NS
MW-4	04/05/14	NS	NS	NS	NS
MW-4	10/21/14	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	05/31/15	NS	NS	NS	NS
MW-4	11/22/15	NS	NS	NS	NS
MW-4	04/15/16	NS	NS	NS	NS
MW-4 replaced with MW-4R on August 21, 2016					
MW-4R	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-4R	06/06/17	50	<5.0	2.1	<5.0
MW-4R	11/13/17	53	<1.0	3.4	<10
MW-4R	05/17/18	7.9	<1.0	<1.0	<10
DP-01(MW-4R)*	05/17/18	12	<1.0	<1.0	<10
MW-4R	10/26/18	<1.0	<1.0	<1.0	<10
MW-4R	05/23/19	<1.0	<1.0	<1.0	<10
MW-4R	11/13/19	5.3	<1.0	<1.0	<2.0
MW-4R	05/13/20	<1.0	<1.0	<1.0	<10
DP-01(MW-4R)*	05/13/20	<1.0	<1.0	<1.0	<10
MW-4R	11/14/20	4.3	<1.0	<1.0	<10
MW-4R	05/22/21	<1.0	<1.0	<1.0	<10
MW-4R	11/14/21	3.0	<1.0	<1.0	<10
MW-4R	05/21/22	2.1	<1.0	<1.0	<10
MW-4R	10/31/22	1.0	<1.0	<1.0	<10
MW-5	10/14/16	130	6.4	19.0	57
MW-5	06/06/17	78	<5.0	<1.0	<5.0
MW-5	11/13/17	NS	NS	NS	NS
MW-5	05/17/18	NS	NS	NS	NS
MW-5	10/26/18	NS	NS	NS	NS
MW-5	05/23/19	15	<1.0	<1.0	<10
MW-5	11/13/19	NS	NS	NS	NS
MW-5	05/13/20	8	<1.0	<1.0	<10
MW-5	11/14/20	<1.0	<1.0	<1.0	<10
MW-5	05/22/21	1	<1.0	<1.0	<10
MW-5	11/14/21	1.9	<1.0	<1.0	<10
MW-5	05/21/22	9.0	5.0	<1.0	<10
MW-5	10/31/22	3.6	<1.0	<1.0	<10
MW-6	10/14/16	2100	880	490	2300
MW-6	06/06/17	1400	130	340	610
MW-6	11/13/17	NS	NS	NS	NS
MW-6	05/17/18	NS	NS	NS	NS
MW-6	10/26/18	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	05/23/19	35	<1.0	6.4	55
MW-6	11/13/19	NS	NS	NS	NS
MW-6	05/13/20	NS	NS	NS	NS
MW-6	11/14/20	NS	NS	NS	NS
MW-6	05/22/21	NS	NS	NS	NS
MW-6	08/22/21	NS	NS	NS	NS
MW-6	11/14/21	NS	NS	NS	NS
MW-6	03/22/22	NS	NS	NS	NS
MW-6	05/21/22	NS	NS	NS	NS
MW-6	07/30/22	NS	NS	NS	NS
MW-6	10/31/22	NS	NS	NS	NS
MW-7	10/14/16	410	340	31.0	270
MW-7	06/06/17	12	<5.0	<1.0	<5.0
MW-7	11/13/17	30	12	<1.0	15
MW-7	05/17/18	98	11	<1.0	22
MW-7	10/26/18	120	87	1.9	120
MW-7	05/23/19	150	39	<1.0	100
DUP-1(MW-7)*	05/23/19	150	39	1.0	110
MW-7	11/13/19	13	1.3	<1.0	4.8
DUP-1(MW-7)*	11/13/19	9.5	<2.0	<2.0	<4.0
MW-7	05/13/20	44	18	<1.0	28
MW-7	11/14/20	23	11	<1.0	19
MW-7	05/22/21	20	<1.0	<1.0	<10
MW-7	11/14/21	1.7	<1.0	<1.0	<10
MW-7	05/21/22	14	4.3	<1.0	<10
MW-7	10/31/22	42	26	<1.0	30
MW-8	10/14/16	2.2	<5.0	<1.0	<5.0
MW-8	06/06/17	12	<5.0	<1.0	8.5
MW-8	11/13/17	100	<1.0	<1.0	16
MW-8	05/17/18	120	2.4	<1.0	11
MW-8	10/26/18	2	2.1	<1.0	<10
DUP-01(MW-8)*	10/26/18	6.3	8.3	<1.0	17
MW-8	05/23/19	NS	NS	NS	NS
MW-8	11/13/19	NS	NS	NS	NS
MW-8	05/13/20	NS	NS	NS	NS
MW-8	08/18/20	NS	NS	NS	NS
MW-8	11/14/20	NS	NS	NS	NS
MW-8	03/17/21	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-8	05/22/21	NS	NS	NS	NS
MW-8	08/22/21	NS	NS	NS	NS
MW-8	11/14/21	NS	NS	NS	NS
MW-8	03/22/22	NS	NS	NS	NS
MW-8	05/21/22	NS	NS	NS	NS
MW-8	07/30/22	NS	NS	NS	NS
MW-8	10/31/22	<1.0	<1.0	<1.0	<10
MW-9	10/14/16	12	8.1	4.6	34
MW-9	06/06/17	1.7	<5.0	<1.0	<5.0
MW-9	11/13/17	NS	NS	NS	NS
MW-9	05/17/18	NS	NS	NS	NS
MW-9	10/26/18	NS	NS	NS	NS
MW-9	05/23/19	1	<1.0	<1.0	<10
MW-9	11/13/19	NS	NS	NS	NS
MW-9	05/13/20	NS	NS	NS	NS
MW-9	11/14/20	NS	NS	NS	NS
MW-9	05/22/21	<1.0	<1.0	<1.0	<10
MW-9	11/14/21	NS	NS	NS	NS
MW-9	05/21/22	NS	NS	NS	NS
MW-9	10/31/22	NS	NS	NS	NS
MW-10	10/14/16	26	32	4.6	41
MW-10	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-10	11/13/17	1.4	<1.0	<1.0	<10
MW-10	05/17/18	3.4	4.6	<1.0	<10
MW-10	10/26/18	<1.0	<1.0	<1.0	<10
MW-10	05/23/19	3.1	1	<1.0	<10
MW-10	11/13/19	<1.0	<1.0	<1.0	<2.0
MW-10	05/13/20	2.9	1.3	<1.0	<2.0
MW-10	11/14/20	2.6	2.6	<1.0	<10
MW-10	05/22/21	<1.0	<1.0	<1.0	<10
MW-10	11/14/21	<1.0	<1.0	<1.0	<10
MW-10	05/21/22	<1.0	<1.0	<1.0	<10
MW-10	10/31/22	<1.0	<1.0	<1.0	<10
MW-11	10/14/16	<1.0	<5.0	1.3	9.7
MW-11	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-11	11/13/17	NS	NS	NS	NS
MW-11	05/17/18	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fields A#7A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-11	10/26/18	NS	NS	NS	NS
MW-11	05/23/19	<1.0	<1.0	<1.0	<10
MW-11	11/13/19	NS	NS	NS	NS
MW-11	05/13/20	NS	NS	NS	NS
MW-11	11/14/20	NS	NS	NS	NS
MW-11	05/22/21	<1.0	<1.0	<1.0	<10
MW-11	11/14/21	NS	NS	NS	NS
MW-11	05/21/22	NS	NS	NS	NS
MW-11	10/31/22	NS	NS	NS	NS
MW-12	05/21/22	2.1	<1.0	1.4	<10
MW-12	10/31/22	<1.0	<1.0	<1.0	<10
MW-13	05/21/22	<1.0	<1.0	<1.0	<10
MW-13	10/31/22	2.4	2.2	1.0	58

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 (DUP) results presented immediately below primary sample result

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	08/09/95	6085.98	NR	22.50		6063.48
MW-1	01/03/96	6085.98	NR	23.28		6062.70
MW-1	04/18/96	6085.98	NR	24.20		6061.78
MW-1	05/08/96	6085.98	NR	24.20		6061.78
MW-1	07/29/96	6085.98	25.02	25.07	0.05	6060.95
MW-1	10/21/96	6085.98	25.38	25.45	0.07	6060.59
MW-1	01/30/97	6085.98	26.57	26.83	0.26	6059.35
MW-1	04/21/97	6085.98	26.44	26.47	0.03	6059.54
MW-1	01/30/01	6085.98	28.74	30.08	1.34	6056.91
MW-1	02/08/01	6085.98	28.65	29.85	1.20	6057.03
MW-1	02/16/01	6085.98	29.08	30.20	1.12	6056.62
MW-1	02/17/01	6085.98	29.08	29.66	0.58	6056.76
MW-1	02/26/01	6085.98	29.39	29.54	0.15	6056.56
MW-1	03/05/01	6085.98	29.25	29.28	0.03	6056.73
MW-1	04/11/01	6085.98	NR	29.33		6056.65
MW-1	06/05/01	6085.98	29.34	29.46	0.12	6056.61
MW-1	06/15/01	6085.98	29.57	29.65	0.08	6056.39
MW-1	07/06/01	6085.98	NR	30.00		6055.98
MW-1	07/13/01	6085.98	NR	29.96		6056.02
MW-1	07/20/01	6085.98	NR	29.69		6056.29
MW-1	08/01/01	6085.98	NR	30.19		6055.79
MW-1	08/08/01	6085.98	NR	30.12		6055.86
MW-1	08/18/01	6085.98	NR	30.44		6055.54
MW-1	08/20/01	6085.98	NR	30.32		6055.66
MW-1	09/05/01	6085.98	NR	30.38		6055.60
MW-1	09/21/01	6085.98	NR	30.63		6055.35
MW-1	09/26/01	6085.98	NR	30.78		6055.20
MW-1	10/03/01	6085.98	NR	30.69		6055.29
MW-1	10/10/01	6085.98	30.32	30.33	0.01	6055.66
MW-1	12/04/01	6085.98	NR	30.51		6055.47
MW-1	12/13/01	6085.98	29.42	29.43	0.01	6056.56
MW-1	12/21/01	6085.98	30.39	30.40	0.01	6055.59
MW-1	12/28/01	6085.98	NR	30.64		6055.34
MW-1	01/07/02	6085.98	30.58	30.59	0.01	6055.40
MW-1	01/23/02	6085.98	30.40	30.41	0.01	6055.58
MW-1	01/31/02	6085.98	30.94	30.95	0.01	6055.04
MW-1	02/07/02	6085.98	31.11	31.12	0.01	6054.87
MW-1	02/14/02	6085.98	31.17	31.18	0.01	6054.81
MW-1	02/20/02	6085.98	31.14	31.15	0.01	6054.84
MW-1	03/21/02	6085.98	30.78	30.80	0.02	6055.20
MW-1	03/28/02	6085.98	NR	30.92		6055.06
MW-1	04/04/02	6085.98	NR	30.64		6055.34
MW-1	04/12/02	6085.98	NR	31.45		6054.53
MW-1	04/19/02	6085.98	NR	31.56		6054.42
MW-1	04/25/02	6085.98	NR	31.54		6054.44
MW-1	05/03/02	6085.98	NR	31.51		6054.47

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	05/10/02	6085.98	NR	31.59		6054.39
MW-1	05/17/02	6085.98	NR	31.16		6054.82
MW-1	05/24/02	6085.98	NR	31.38		6054.60
MW-1	05/31/02	6085.98	NR	31.23		6054.75
MW-1	06/06/02	6085.98	NR	31.32		6054.66
MW-1	06/14/02	6085.98	NR	31.34		6054.64
MW-1	06/21/02	6085.98	NR	31.67		6054.31
MW-1	06/27/02	6085.98	NR	31.81		6054.17
MW-1	07/02/02	6085.98	NR	31.82		6054.16
MW-1	07/11/02	6085.98	NR	31.84		6054.14
MW-1	07/18/02	6085.98	NR	31.45		6054.53
MW-1	08/21/02	6085.98	NR	32.12		6053.86
MW-1	10/01/02	6085.98	NR	31.77		6054.21
MW-1	01/15/03	6085.98	ND	31.90		6054.08
MW-1	04/27/03	6085.98	31.06	31.07	0.01	6054.92
MW-1	07/16/03	6085.98	ND	31.30		6054.69
MW-1	10/27/03	6085.98	ND	30.97		6055.01
MW-1	01/26/04	6085.98	ND	30.67		6055.31
MW-1	04/21/04	6085.98	ND	30.83		6055.15
MW-1	07/27/04	6085.98	ND	30.97		6055.01
MW-1	10/18/04	6085.98	ND	31.15		6054.83
MW-1	01/25/05	6085.98	ND	30.19		6055.79
MW-1	04/18/05	6085.98	ND	30.19		6055.79
MW-1	10/22/05	6085.98	ND	30.74		6055.24
MW-1	04/25/06	6085.98	ND	31.41		6054.57
MW-1	10/24/06	6085.98	ND	31.39		6054.59
MW-1	04/24/07	6085.98	ND	31.66		6054.32
MW-1	10/29/07	6085.98	ND	31.73		6054.25
MW-1	04/21/08	6085.98	ND	30.31		6055.67
MW-1	10/09/08	6085.98	ND	30.69		6055.29
MW-1	04/07/09	6085.98	ND	31.24		6054.74
MW-1	11/04/09	6085.98	ND	31.77		6054.21
MW-1	05/24/10	6085.98	ND	31.33		6054.65
MW-1	11/02/10	6085.98	ND	29.93		6056.05
MW-1	05/04/11	6085.98	ND	29.91		6056.07
MW-1	11/01/11	6085.98	ND	29.80		6056.18
MW-1	05/07/12	6085.98	ND	30.29		6055.69
MW-1	06/07/13	6085.98	ND	31.41		6054.57
MW-1	09/12/13	6085.98	ND	31.55		6054.43
MW-1	12/13/13	6085.98	ND	31.09		6054.89
MW-1	04/05/14	6085.98	ND	31.24		6054.74
MW-1	10/21/14	6085.98	ND	31.65		6054.33
MW-1	05/31/15	6085.98	ND	31.82		6054.16
MW-1	11/22/15	6085.98	ND	31.27		6054.71
MW-1	04/15/16	6085.98	ND	30.87		6055.11
MW-1	10/14/16	6085.98	ND	30.96		6055.02

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	06/06/17	6085.98	ND	30.56		6055.42
MW-1	11/13/17	6085.98	ND	30.71		6055.27
MW-1	05/17/18	6085.98	ND	31.37		6054.61
MW-1	10/26/18	6085.98	ND	31.80		6054.18
MW-1	05/23/19	6085.98	ND	31.39		6054.59
MW-1	11/13/19	6085.98	ND	32.00		6053.98
MW-1	05/13/20	6085.98	ND	32.20		6053.78
MW-1	11/14/20	6085.98	ND	32.42		6053.56
MW-1	05/22/21	6085.98	ND	32.67		6053.31
MW-1	11/14/21	6085.98	ND	32.85		6053.13
MW-1	05/21/22	6085.98	ND	33.00		6052.98
MW-1	10/31/22	6085.98	ND	32.92		6053.06
MW-2	01/03/96	6084.24	NR	24.27		6059.97
MW-2	04/18/96	6084.24	NR	25.53		6058.71
MW-2	05/08/96	6084.24	NR	25.53		6058.71
MW-2	07/29/96	6084.24	NR	26.48		6057.76
MW-2	10/21/96	6084.24	NR	26.96		6057.28
MW-2	01/30/97	6084.24	NR	27.73		6056.51
MW-2	04/21/97	6084.24	NR	27.77		6056.47
MW-2	04/13/01	6084.24	NR	30.33		6053.91
MW-2	06/05/01	6084.24	NR	30.71		6053.53
MW-2	07/20/01	6084.24	NR	30.95		6053.29
MW-2	08/20/01	6084.24	NR	31.03		6053.21
MW-2	05/17/02	6084.24	NR	31.38		6052.86
MW-2	10/27/03	6084.24	NR	31.79		6052.46
MW-2	04/21/04	6084.24	ND	31.10		6053.14
MW-2	04/18/05	6084.24	ND	30.98		6053.26
MW-2	04/21/08	6084.24	ND	30.66		6053.58
MW-2	11/02/10	6084.24	ND	29.65		6054.59
MW-2	05/04/11	6084.24	ND	31.10		6053.14
MW-2	11/01/11	6084.24	ND	31.42		6052.82
MW-2	05/07/12	6084.24	ND	31.29		6052.95
MW-2	06/07/13	6084.24	ND	DRY		DRY
MW-2	09/12/13	6084.24	ND	DRY		DRY
MW-2	12/13/13	6084.24	ND	DRY		DRY
MW-2	04/05/14	6084.24	ND	DRY		DRY
MW-2	10/21/14	6084.24	ND	DRY		DRY
MW-2	05/31/15	6084.24	ND	DRY		DRY
MW-2	11/22/15	6084.24	ND	DRY		DRY
MW-2	04/15/16	6084.24	ND	DRY		DRY
MW-2 abandoned on August 22, 2016						
MW-3	01/03/96	6084.06	NR	24.88		6059.18
MW-3	04/18/96	6084.06	NR	25.75		6058.31
MW-3	05/08/96	6084.06	NR	25.75		6058.31

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	07/29/96	6084.06	NR	26.64		6057.42
MW-3	10/21/96	6084.06	NR	27.16		6056.90
MW-3	01/30/97	6084.06	NR	27.92		6056.14
MW-3	04/21/97	6084.06	NR	28.00		6056.06
MW-3	04/13/01	6084.06	NR	30.48		6053.58
MW-3	06/05/01	6084.06	NR	30.79		6053.27
MW-3	07/20/01	6084.06	NR	31.03		6053.03
MW-3	08/20/01	6084.06	NR	31.14		6052.92
MW-3	04/02/02	6084.06	NR	31.62		6052.44
MW-3	05/17/02	6084.06	NR	32.05		6052.01
MW-3	01/25/05	6084.06	ND	31.93		6052.14
MW-3	04/18/05	6084.06	ND	30.77		6053.29
MW-3	10/22/05	6084.06	ND	31.57		6052.49
MW-3	04/25/06	6084.06	ND	31.61		6052.45
MW-3	10/24/06	6084.06	ND	31.90		6052.16
MW-3	04/24/07	6084.06	ND	31.90		6052.16
MW-3	10/29/07	6084.06	ND	31.93		6052.13
MW-3	04/21/08	6084.06	ND	30.40		6053.66
MW-3	10/09/08	6084.06	ND	31.56		6052.50
MW-3	04/07/09	6084.06	ND	31.40		6052.66
MW-3	11/04/09	6084.06	ND	31.97		6052.09
MW-3	05/24/10	6084.06	ND	31.87		6052.19
MW-3	11/02/10	6084.06	ND	29.83		6054.23
MW-3	05/04/11	6084.06	ND	30.71		6053.35
MW-3	11/01/11	6084.06	ND	31.08		6052.98
MW-3	05/07/12	6084.06	ND	31.57		6052.49
MW-3	06/07/13	6084.06	ND	DRY		DRY
MW-3	09/12/13	6084.06	ND	DRY		DRY
MW-3	12/13/13	6084.06	ND	DRY		DRY
MW-3	04/05/14	6084.06	ND	DRY		DRY
MW-3	10/21/14	6084.06	ND	DRY		DRY
MW-3	05/31/15	6084.06	ND	DRY		DRY
MW-3	11/22/15	6084.06	ND	DRY		DRY
MW-3	04/15/16	6084.06	ND	DRY		DRY
MW-3 abandoned on August 22, 2016						
MW-4	01/03/96	6084.61	NR	25.69		6058.92
MW-4	04/18/96	6084.61	NR	26.42		6058.19
MW-4	01/00/00	6084.61	25.83	26.42	0.59	6058.64
MW-4	07/29/96	6084.61	26.82	28.65	1.83	6057.34
MW-4	10/21/96	6084.61	27.45	28.84	1.39	6056.82
MW-4	01/30/97	6084.61	28.43	28.85	0.42	6056.08
MW-4	04/21/97	6084.61	28.58	28.68	0.10	6056.01
MW-4	06/05/01	6084.61	31.01	31.25	0.24	6053.54
MW-4	06/15/01	6084.61	31.12	31.56	0.44	6053.38
MW-4	07/06/01	6084.61	31.20	DRY		DRY

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	07/13/01	6084.61	31.44	DRY		DRY
MW-4	07/20/01	6084.61	31.51	DRY		DRY
MW-4	08/01/01	6084.61	31.54	DRY		DRY
MW-4	08/08/01	6084.61	NR	DRY		DRY
MW-4	08/16/01	6084.61	NR	DRY		DRY
MW-4	08/20/01	6084.61	NR	DRY		DRY
MW-4	09/05/01	6084.61	NR	DRY		DRY
MW-4	09/21/01	6084.61	NR	DRY		DRY
MW-4	09/26/01	6084.61	NR	DRY		DRY
MW-4	10/03/01	6084.61	NR	DRY		DRY
MW-4	10/10/01	6084.61	NR	DRY		DRY
MW-4	12/04/01	6084.61	NR	DRY		DRY
MW-4	12/13/01	6084.61	31.65	DRY		DRY
MW-4	12/21/01	6084.61	31.61	DRY		DRY
MW-4	12/28/01	6084.61	NR	31.61		6053.00
MW-4	01/07/02	6084.61	31.61	DRY		DRY
MW-4	01/23/02	6084.61	31.62	DRY		DRY
MW-4	01/31/02	6084.61	31.61	DRY		DRY
MW-4	02/07/02	6084.61	31.60	DRY		DRY
MW-4	02/14/02	6084.61	31.62	DRY		DRY
MW-4	02/20/02	6084.61	31.62	DRY		DRY
MW-4	03/21/02	6084.61	NR	DRY		DRY
MW-4	04/04/02	6084.61	NR	DRY		DRY
MW-4	05/17/02	6084.61	NR	DRY		DRY
MW-4	05/24/02	6084.61	NR	DRY		DRY
MW-4	05/31/02	6084.61	NR	DRY		DRY
MW-4	06/06/02	6084.61	NR	DRY		DRY
MW-4	06/14/02	6084.61	NR	DRY		DRY
MW-4	07/18/02	6084.61	NR	DRY		DRY
MW-4	10/01/02	6084.61	NR	DRY		DRY
MW-4	01/15/03	6084.61	ND	DRY		DRY
MW-4	01/26/04	6084.61	ND	DRY		DRY
MW-4	04/21/04	6084.61	ND	DRY		DRY
MW-4	07/27/04	6084.61	ND	DRY		DRY
MW-4	10/18/04	6084.61	ND	DRY		DRY
MW-4	01/25/05	6084.61	ND	DRY		DRY
MW-4	04/18/05	6084.61	ND	DRY		DRY
MW-4	04/21/08	6084.61	ND	31.22		6053.39
MW-4	10/09/08	6084.61	ND	31.40		6053.21
MW-4	04/07/09	6084.61	ND	31.40		6053.21
MW-4	11/04/09	6084.61	ND	31.58		6053.03
MW-4	05/24/10	6084.61	ND	31.47		6053.14
MW-4	11/02/10	6084.61	ND	30.60		6054.01
MW-4	05/04/11	6084.61	ND	31.05		6053.56
MW-4	11/01/11	6084.61	ND	31.05		6053.56
MW-4	05/07/12	6084.61	ND	31.47		6053.14

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	**Date**	**TOC**	**Depth to LNAPL (ft.)**	**Depth to Water (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
MW-4	06/07/13	6084.61	ND	31.42		6053.19
MW-4	09/12/13	6084.61	ND	DRY		DRY
MW-4	12/13/13	6084.61	ND	DRY		DRY
MW-4	04/05/14	6084.61	ND	DRY		DRY
MW-4	10/21/14	6084.61	ND	DRY		DRY
MW-4	05/31/15	6084.61	ND	DRY		DRY
MW-4	11/22/15	6084.61	ND	DRY		DRY
MW-4	04/15/16	6084.61	ND	DRY		DRY
MW-4 replaced with MW-4R on August 21, 2016						
MW-4R	10/14/16	6084.43	ND	32.53		6051.90
MW-4R	06/06/17	6084.43	ND	32.13		6052.30
MW-4R	11/13/17	6084.43	ND	32.39		6052.04
MW-4R	05/17/18	6084.43	ND	33.48		6050.95
MW-4R	10/26/18	6084.43	ND	33.93		6050.50
MW-4R	05/23/19	6084.43	ND	32.99		6051.44
MW-4R	11/13/19	6084.43	ND	34.03		6050.40
MW-4R	05/13/20	6084.43	ND	34.33		6050.10
MW-4R	11/14/20	6084.43	ND	34.63		6049.80
MW-4R	05/22/21	6084.43	ND	34.88		6049.55
MW-4R	11/14/21	6084.43	ND	35.10		6049.33
MW-4R	05/21/22	6084.43	ND	35.29		6049.14
MW-4R	10/31/22	6084.43	ND	34.67		6049.76
MW-5	10/14/16	6081.99	ND	28.08		6053.91
MW-5	06/06/17	6081.99	ND	27.70		6054.29
MW-5	11/13/17	6081.99	ND	27.89		6054.10
MW-5	05/17/18	6081.99	ND	28.65		6053.34
MW-5	10/26/18	6081.99	ND	29.09		6052.90
MW-5	05/23/19	6081.99	ND	28.50		6053.49
MW-5	11/13/19	6081.99	ND	29.33		6052.66
MW-5	05/13/20	6081.99	ND	29.30		6052.69
MW-5	11/14/20	6081.99	ND	29.72		6052.27
MW-5	05/22/21	6081.99	ND	29.95		6052.04
MW-5	11/14/21	6081.99	ND	30.10		6051.89
MW-5	05/21/22	6081.99	ND	30.27		6051.72
MW-5	10/31/22	6081.99	ND	30.08		6051.91
MW-6	10/14/16	6081.99	ND	29.78		6052.21
MW-6	06/06/17	6081.99	ND	29.37		6052.62
MW-6	11/13/17	6081.99	ND	29.63		6052.36
MW-6	05/17/18	6081.99	ND	30.64		6051.35
MW-6	10/26/18	6081.99	ND	31.09		6050.90
MW-6	05/23/19	6081.99	ND	30.24		6051.75
MW-6	11/13/19	6081.99	ND	31.28		6050.71
MW-6	05/13/20	6081.99	ND	31.35		6050.64

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	11/14/20	6081.99	ND	31.62		6050.37
MW-6	05/22/21	6081.99	31.87	32.45	0.58	6049.98
MW-6	08/22/21	6081.99	32.04	32.15	0.11	6049.92
MW-6	11/14/21	6081.99	32.02	32.88	0.86	6049.76
MW-6	03/22/22	6081.99	32.19	33.02	0.83	6049.59
MW-6	05/21/22	6081.99	32.26	32.92	0.66	6049.57
MW-6	07/30/22	6081.99	32.41	32.90	0.49	6049.46
MW-6	10/31/22	6081.99	31.84	32.17	0.33	6050.07
MW-7	10/14/16	6082.19	ND	27.46		6054.73
MW-7	06/06/17	6082.19	ND	27.13		6055.06
MW-7	11/13/17	6082.19	ND	27.31		6054.88
MW-7	05/17/18	6082.19	ND	28.04		6054.15
MW-7	10/26/18	6082.19	ND	28.47		6053.72
MW-7	05/23/19	6082.19	ND	27.98		6054.21
MW-7	11/13/19	6082.19	ND	28.65		6053.54
MW-7	05/13/20	6082.19	ND	28.89		6053.30
MW-7	11/14/20	6082.19	ND	29.12		6053.07
MW-7	05/22/21	6082.19	ND	29.40		6052.79
MW-7	11/14/21	6082.19	ND	29.56		6052.63
MW-7	05/21/22	6082.19	ND	29.72		6052.47
MW-7	10/31/22	6082.19	ND	29.59		6052.60
MW-8	10/14/16	6082.28	ND	27.80		6054.48
MW-8	06/06/17	6082.28	ND	27.41		6054.87
MW-8	11/13/17	6082.28	ND	27.58		6054.70
MW-8	05/17/18	6082.28	28.34	28.34	<0.01	6053.94
MW-8	10/26/18	6082.28	28.78	28.78	<0.01	6053.50
MW-8	05/23/19	6082.28	28.19	28.65	0.46	6053.98
MW-8	11/13/19	6082.28	28.41	28.79	0.38	6053.78
MW-8	05/13/20	6082.28	29.03	29.51	0.48	6053.13
MW-8	08/18/20	6082.28	29.16	29.26	0.10	6053.10
MW-8	11/14/20	6082.28	29.28	29.32	0.04	6052.99
MW-8	03/17/21	6082.28	29.44	29.47	0.03	6052.83
MW-8	05/22/21	6082.28	29.60	29.71	0.11	6052.65
MW-8	08/22/21	6082.28	29.75	29.75	<0.01	6052.53
MW-8	11/14/21	6082.28	29.81	29.90	0.09	6052.38
MW-8	03/22/22	6082.28	29.91	30.06	0.15	6052.22
MW-8	05/21/22	6082.28	29.99	30.00	0.01	6052.28
MW-8	07/30/22	6082.28	30.08	30.10	0.02	6052.18
MW-8	10/31/22	6082.28	ND	29.84		6052.44
MW-9	10/14/16	6082.35	ND	27.37		6054.98
MW-9	06/06/17	6082.35	ND	26.98		6055.37
MW-9	11/13/17	6082.35	ND	27.12		6055.23
MW-9	05/17/18	6082.35	ND	27.79		6054.56

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-9	10/26/18	6082.35	ND	28.22		6054.13
MW-9	05/23/19	6082.35	ND	27.78		6054.57
MW-9	11/13/19	6082.35	ND	28.40		6053.95
MW-9	05/13/20	6082.35	ND	28.63		6053.72
MW-9	11/14/20	6082.35	ND	28.83		6053.52
MW-9	05/22/21	6082.35	ND	29.10		6053.25
MW-9	11/14/21	6082.35	ND	29.28		6053.07
MW-9	05/21/22	6082.35	ND	29.44		6052.91
MW-9	10/31/22	6082.35	ND	29.37		6052.98
MW-10	10/14/16	6086.17	ND	31.16		6055.01
MW-10	06/06/17	6086.17	ND	30.79		6055.38
MW-10	11/13/17	6086.17	ND	30.90		6055.27
MW-10	05/17/18	6086.17	ND	31.57		6054.60
MW-10	10/26/18	6086.17	ND	32.00		6054.17
MW-10	05/23/19	6086.17	ND	31.55		6054.62
MW-10	11/13/19	6086.17	ND	32.15		6054.02
MW-10	05/13/20	6086.17	ND	32.37		6053.80
MW-10	11/14/20	6086.17	ND	32.60		6053.57
MW-10	05/22/21	6086.17	ND	32.85		6053.32
MW-10	11/14/21	6086.17	ND	33.03		6053.14
MW-10	05/21/22	6086.17	ND	33.20		6052.97
MW-10	10/31/22	6086.17	ND	33.11		6053.06
MW-11	10/14/16	6085.79	ND	30.47		6055.32
MW-11	06/06/17	6085.79	ND	30.22		6055.57
MW-11	11/13/17	6085.79	ND	30.31		6055.48
MW-11	05/17/18	6085.79	ND	30.88		6054.91
MW-11	10/26/18	6085.79	ND	31.31		6054.48
MW-11	05/23/19	6085.79	ND	30.95		6054.84
MW-11	11/13/19	6085.79	ND	31.47		6054.32
MW-11	05/13/20	6085.79	ND	32.67		6053.12
MW-11	11/14/20	6085.79	ND	31.90		6053.89
MW-11	05/22/21	6085.79	ND	32.13		6053.66
MW-11	11/14/21	6085.79	ND	32.29		6053.50
MW-11	05/21/22	6085.79	ND	32.43		6053.36
MW-11	10/31/22	6085.79	ND	32.38		6053.41
MW-12	05/21/22	6081.93	ND	32.22		6049.71
MW-12	10/31/22	6081.93	ND	31.82		6050.11
MW-13	05/21/22	6082.39	ND	30.49		6051.90
MW-13	10/31/22	6082.39	ND	30.31		6052.08
BPMW-2	05/22/21	Unk.	NR	NR	0.08	Unk.
BPMW-2	08/22/21	Unk.	26.81	33.64	6.83	Unk.

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fields A#7A						
Location	**Date**	**TOC**	**Depth to LNAPL (ft.)**	**Depth to Water (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
BPMW-2	03/22/22	Unk.	34.15	34.30	0.15	Unk.
BPMW-2	07/30/22	Unk.	33.91	34.10	0.19	Unk.
BPMW-2	10/31/22	Unk.	33.60	33.70	0.10	Unk.

Notes:
"ft" = feet
"TOC" = Top of Casing
"LNAPL" = Light non-aqueous phase liquid
"ND" = LNAPL not detected
"Unk." = Elevation Unknown
"NR" = Not recorded
"DRY" = No water detected
Groundwater elevation = Top of Casing elevation (TOC, ft) - Depth to Water [ft] + (LPH thickness [ft] x 0.75). A specific gravity of 0.75 is within the range of gas condensate (https://www.sciencedirect.com/topics/earth-and-planetary-sciences/gas-condensate)

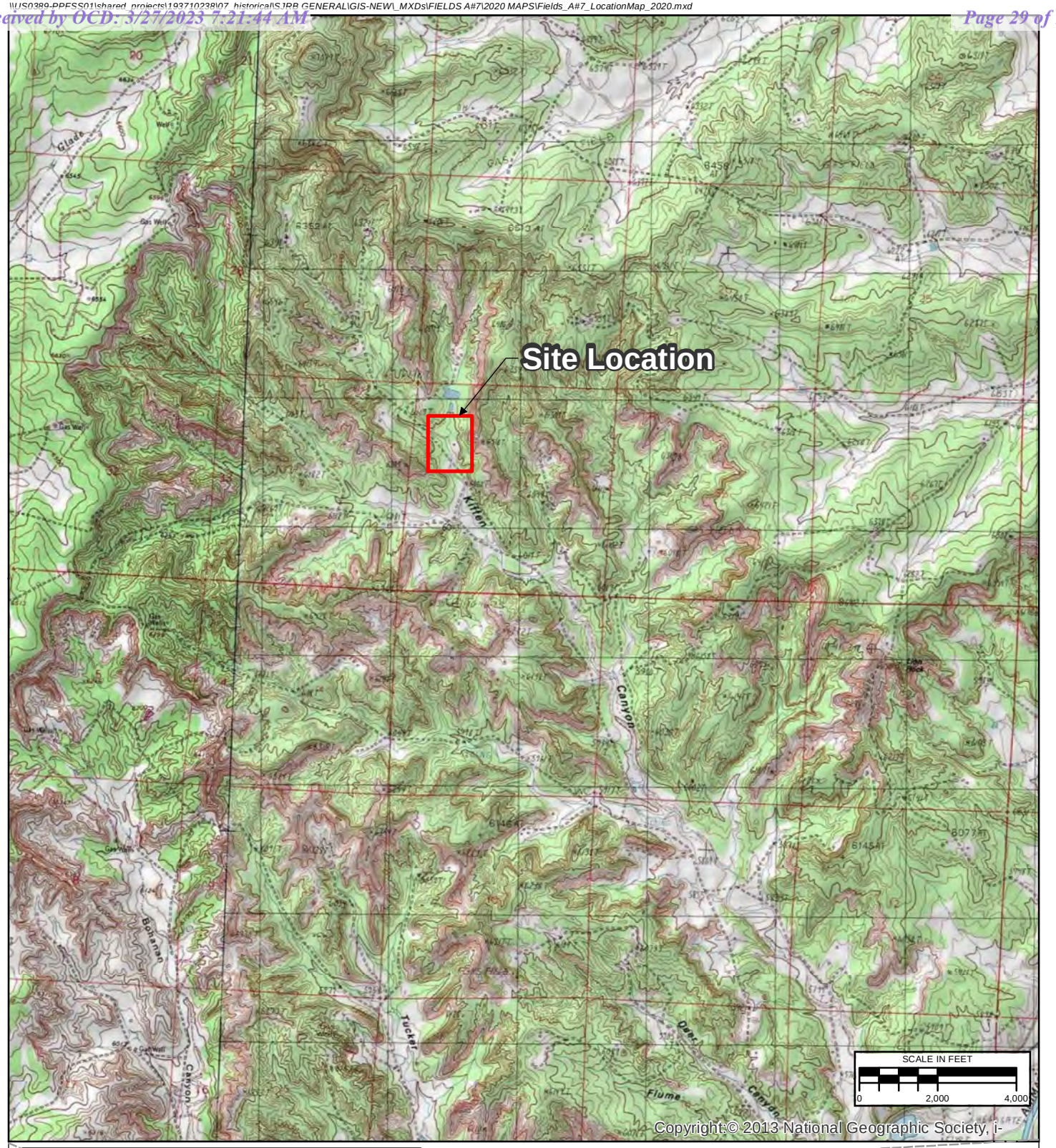
TABLE 4 - SOIL ANALYTICAL RESULTS

Fields A#7A											
Location (depth in feet bgs)	**Date (mm/dd/yy)**	**Benzene (mg/kg)**	**Toluene (mg/kg)**	**Ethylbenzene (mg/kg)**	**Total Xylenes (mg/kg)**	**BTEX Total (mg/kg)**	**GRO C6-10 (mg/kg)**	**DRO C10-28 (mg/kg)**	**MRO C28-35 (mg/kg)**	**TPH (mg/kg)**	**Chloride (mg/kg)**
NMOCD Criteria:		10	NE	NE	NE	50	NE	NE	NE	100	600
MW-4R (24-25)	08/21/16	BRL	BRL	0.098	0.55	0.65	26	6.7	BRL	32.7	BRL
MW-5 (23-24)	08/22/16	3.0	15	5.9	24	47.9	850	77	14	**941**	BRL
MW-6 (24-25)	08/20/16	0.11	2.0	2.8	15	19.9	320	59	BRL	**379**	22
MW-7 (13-14)	08/21/16	5.6	53	28	210	**296.6**	4000	640	BRL	**4640**	BRL
MW-8 (12-13)	08/19/16	1.2	13	11	66	**91.2**	2100	100	BRL	**2200**	BRL
MW-9 (25-26)	08/23/16	0.42	7.7	3.7	28	39.8	410	17	8.7	**435.7**	BRL
MW-10 (13-14)	08/19/16	4.9	53	6.1	50	**114**	1300	12	7.4	**1319**	BRL
MW-11 (21-22)	08/18/16	BRL	BRL	0.12	0.67	0.8	58	19	5.6	82.6	BRL
MW-12 (29-30)	04/18/22	BRL	BRL	BRL	BRL	BRL	1.5	18	BRL	19.5	BRL
MW-13 (13-14)	04/15/22	BRL	BRL	BRL	BRL	BRL	98	280	22	400	29
MW-13 (29-30)	04/16/22	BRL	BRL	BRL	BRL	BRL	0.12	13	BRL	13.1	BRL
SB-1 (12-13)	08/23/16	0.18	0.44	2.7	9.3	12.6	240	34	14	**288**	BRL
SB-1 (15-16)	08/23/16	BRL	BRL	BRL	BRL	BRL	16	17	23	56	BRL
SB-1 (27-28)	08/23/16	1.5	7.5	2.3	18	29.3	390	7.1	BRL	**397.1**	BRL
SB-2 (4-5)	08/24/16	0.30	3.0	7.3	71	**81.6**	1700	690	190	**2580**	BRL
SB-2 (11-12)	08/24/16	BRL	1.9	3.0	54	**58.9**	770	240	110	**1120**	BRL
SB-2 (23-24)	08/24/16	**24**	120	30	210	**384**	2300	390	49	**2739**	BRL

Notes:

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

FIGURES



N

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/16/2021	SAH	SAH	SRV

TITLE
SITE LOCATION

Stantec

PROJECT
FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE
1

\\cd1001-c200\CTX-CIFS$\VD\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2022 MAPS\Fields_A#7_SITEMAP_2022.mxd

TELEPHONE BOX
BPBH#1
SEPARATOR
TANK
COMPRESSOR
FORMER 95 BBL BGT (REMOVED 09/2012)
TANK PIT, (BP)
PROD TANK, (BP)
COMPR., (BP)
T-1(BP)
TANK
FORMER BERM AND FENCE (REMOVED 09/2012)
TANK
TH-1(BP)
EXCAVATION PERIMETER 60FT. X 32 FT. X 13 FT. APR - MAY 2004, (BP)
SMA BENCHMARK ELEV. 6082.52' NAD 83 NAVD 88 STATE PLANE COORDINATE SYSTEM NEW MEXICO WEST
FORMER COMPRESSOR (2005-2011)
SEP., (BP)
TANK FILL
APPARENT DISTURBED AREA (08/2009)
FORMER COMPRESSOR (REMOVED 2005)
FORMER SEPARATOR (2005-2011)
MW-13
UNKNOWN PIT (TESTED 3/29/04), (BP)
PZ-1
MW-10
FORMER BELOW GROUND TANK (BGT) (REMOVED 2005)
BPMW#1A
APPARENT DISTURBED AREA (08/2009)
BPBH#2
PZ-4
MW-11
FORMER DEHYDRATOR PIT (CLOSED 3/29/04), (BP)
MW-12
FORMER DEHYDRATOR (REMOVED 2005)
BPMW#2 (VENT WELL)
MW-8
PZ-2
MW-1
FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP
SB-2
SB-1
FORMER BELOW GRADE TANK (REMOVED 2005)
FORMER DEHYDRATOR (REMOVED 2005)
MW-7
MW-9
WELLHEAD
METER HOUSE
MW-6
SEPARATOR PIT (CLOSED 3/24/04), (BP)
MW-5
PZ-3
BPMW#1
MW-2
MW-3
FORMER METER HOUSE (REMOVED 2005)
MW-4R
PZ-5
MW-4
WASH
Underground Electric Box
BPMW#3
AERIAL IMAGERY FROM GOOGLE EARTH, DATED 11.17.2013

LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- SMA BENCHMARK
- MONITORING WELL
- SOIL BORING
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP SOIL BORINGS
- WELLHEAD
- FORMER PIEZOMETER (1997)
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- BLM RIGHT OF WAY BOUNDARY
- HISTORICAL FEATURE

NOTES:

UTILITY LOCATIONS ARE APPROXIMATE

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-03-02	SAH	SAH	SV

TITLE:

SITE PLAN

PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2022 MAPS\Fields_A#7_GARM_1SA_2022.mxd

TELEPHONE BOX
SEPARATOR
TANK
COMPRESSOR
6086
6085
6083
TANK
TANK
SMA BENCHMARK
ELEV. 6082.52'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST
MW-13
MW-13
B: <1.0
T: <1.0
E: <1.0
X: <10
MW-10
MW-10
B: <1.0
T: <1.0
E: <1.0
X: <10
MW-11
MW-11
NS
BP-MW#1A
MW-12
MW-12
B: 2.1
T: <1.0
E: 1.4
X: <10
MW-8
NS
MW-8
MW-1
FORMER EPC PIT - EXCAVATED
APPROXIMATELY 12 FEET DEEP
SB-2
SB-1
BP-MW#2
MW-7
B: 14
T: 4.3
E: <1.0
X: <10
MW-7
MW-1
B: 130
T: 6.5
E: <1.0
X: 13
DUP-01
B: 150
T: 6.8
E: 1.1
X: 14
MW-9
MW-9
NS
METER HOUSE
WELLHEAD
MW-6
NS
MW-6
MW-5
MW-5
B: 9.0
T: 5.0
E: <1.0
X: <10
BP-MW#1
MW-2
MW-3
MW-4R
MW-4R
B: 2.1
T: <1.0
E: <1.0
X: <10
MW-4
WASH
Underground Electric Box
BP-MW#3
AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
µg/L = MICROGRAMS PER LITER
<1 = BELOW REPORTING LIMIT
NS = NOT SAMPLED

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	2023-03-02	SAH	SAH	SV

TITLE:

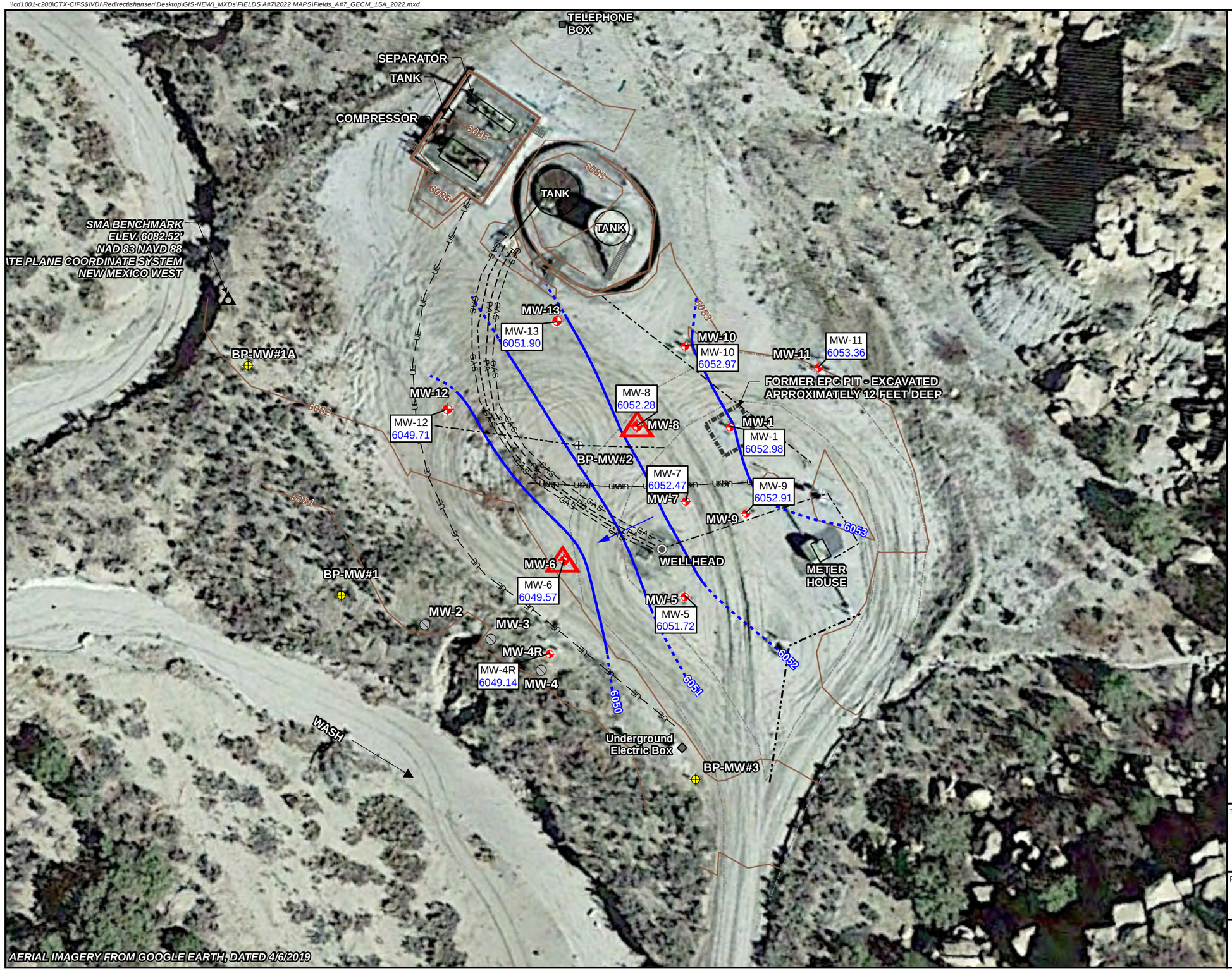
GROUNDWATER ANALYTICAL RESULTS
MAY 21, 2022

PROJECT:
FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 3

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2022 MAPS\Fields_A#7_GECM_1SA_2022.mxd



LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

6053.36 GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

6053 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-03-02	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 21, 2022

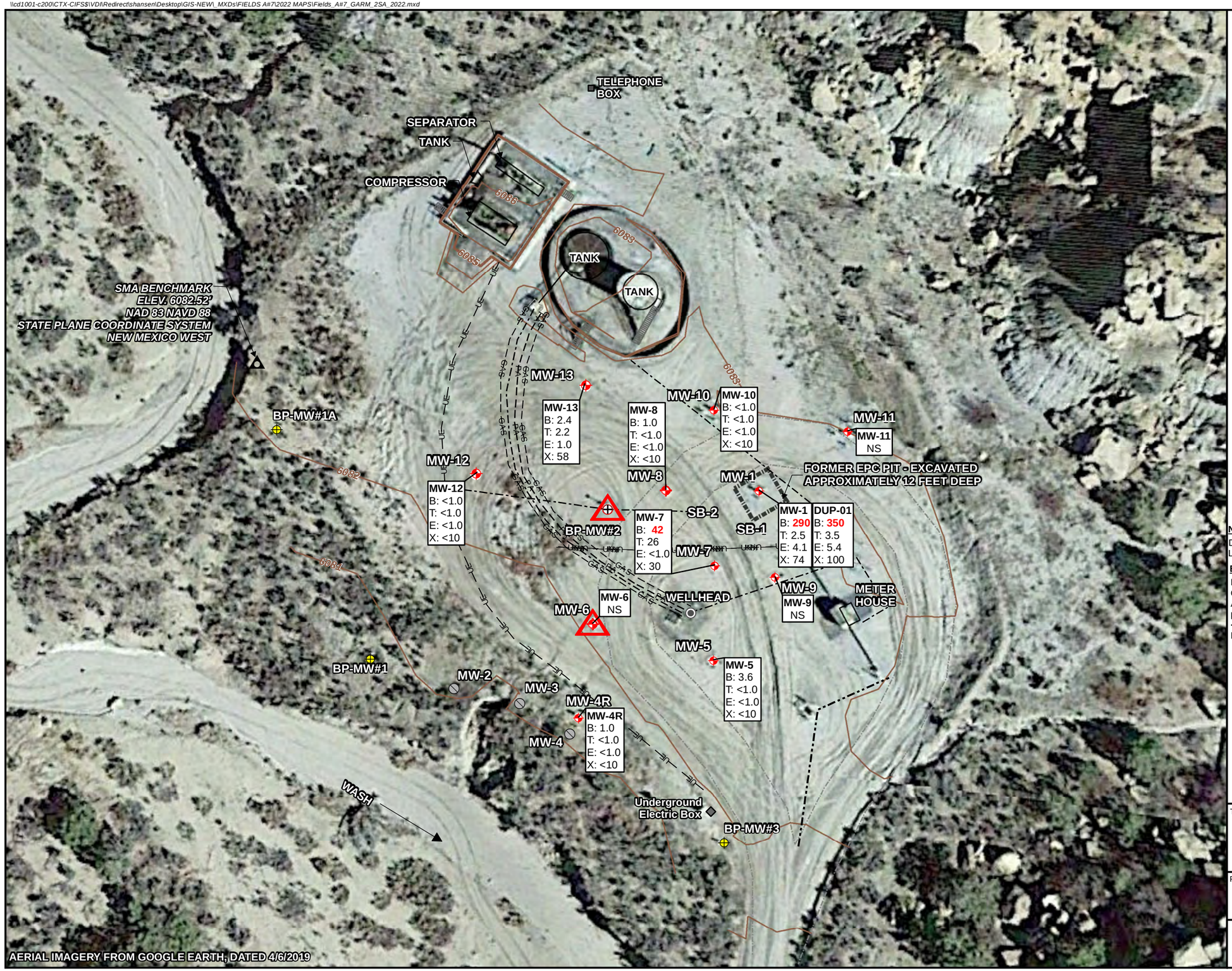
PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2022 MAPS\Fields_A#7_GARM_2SA_2022.mxd



LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
µg/L = MICROGRAMS PER LITER
<1 = BELOW REPORTING LIMIT
NS = NOT SAMPLED

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	2023-03-02	SAH	SAH	SV

TITLE:

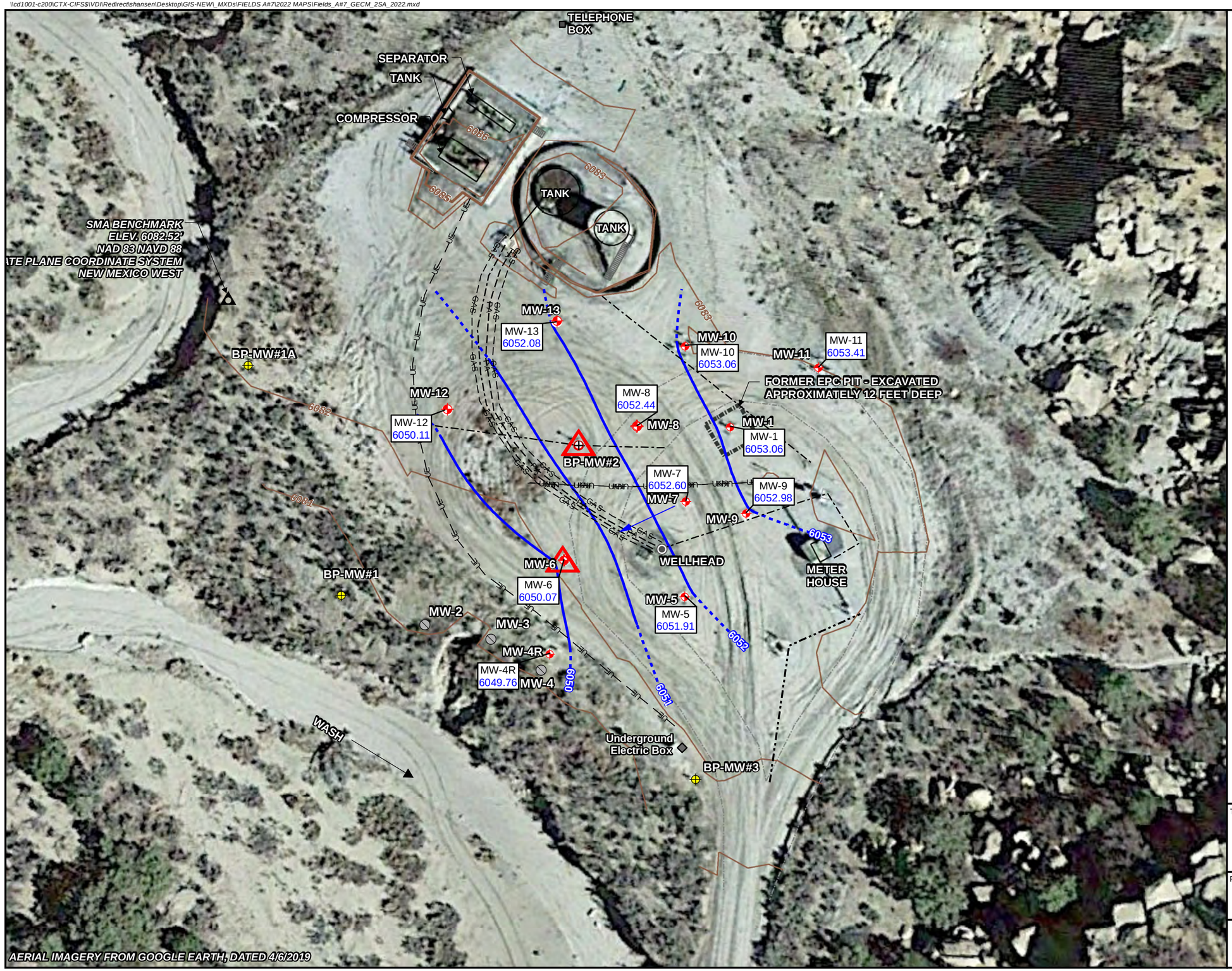
GROUNDWATER ANALYTICAL RESULTS
OCTOBER 31, 2022

PROJECT:
FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.:
5

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2022 MAPS\Fields_A#7_GECM_2SA_2022.mxd



LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION
- SMA BENCHMARK
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- ABANDONED MONITORING WELL
- BP/SIMCOE MONITORING WELLS
- BP PASSIVE VENT WELL
- WELLHEAD

NOTES:

6053.06 — GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

6053 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-03-13	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
OCTOBER 31, 2022

PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FIELDS A#7\2022 MAPS\Fields_A#7_SARM_2022.mxd

LEGEND:

- 6082 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- SMA BENCHMARK
- MONITORING WELL
- SOIL BORING
- ABANDONED MONITORING WELL
- OTHER MONITORING WELL
- PASSIVE VENT WELL
- WELLHEAD
- UKN — UNKNOWN LINE
- UE — UNDERGROUND ELECTRIC
- GAS — NATURAL GAS LINE
- PA — PRESSURIZED AIR
- COMMUNICATION

NOTES:

MW-11 SAMPLES COLLECTED 8/18/2016; MW-8 AND MW-10 8/19/2016; MW-6 8/20/2016; MW-4R AND MW-7 8/21/2016; MW-5 8/22/2016; MW-9 AND SB-1 8/23/2016; SB-2 8/24/2016.

UTILITY LOCATIONS ARE APPROXIMATE.

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

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-03-02	SLG	SLG	SV

TITLE:

SOIL ANALYTICAL RESULTS

PROJECT:

FIELDS A#7A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 7

APPENDICES

APPENDIX A

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

Hi Cory -

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

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

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

Thank you,
Steve

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

From: Varsa, Steve
To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: Fields A#7A (Incident Number nAUTOfAB000176) - Notice of upcoming sampling activities
Date: Monday, April 11, 2022 6:17:58 AM

Hi Nelson –

This correspondence is to provide notice to the NMOCD of planned monitoring well installation activities at the above-referenced El Paso site. The well installation activities are to begin on April 14, 2022, and will conclude by the end of the week. A work plan for these activities was submitted in the e-permitting portal.

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

Thank you,
Steve

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

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

Hi Nelson -

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

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

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

Thank you,
Steve

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

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

Hi Nelson -

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

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

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

Thank you,
Steve

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

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

Hi Nelson -

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

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

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

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

Thank you,
Steve

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

APPENDIX B

Drilling Log

Stantec

Monitoring Well **MW-12**

Page: 1 of 2

Project *Fields A#7A* Owner *El Paso CGP Company, LLC*

Location *San Juan County, New Mexico* Project Number *193708848*

Surface Elev. *6082.33 ft* North *NA* East *NA*

Top of Casing *6081.93 ft* Water Level Initial ▽ *6048.93* 04/18/22 00:00 Static ▼ *6049.67* 04/18/22 00:00

Hole Depth *46.0 ft* Screen: Diameter *2 in* Length *20.0 ft* Type/Size *PVC/0.01 in*

Hole Diameter *8.25 in* Casing: Diameter *2 in* Length *25.2 ft* Type *PVC*

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

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

Start Date *4/18/2022* Completion Date *4/18/2022* Checked By *S. Varsa*

COMMENTS
0-5' hand-augered.

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

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0	0.0				ML	0-5' hand-augered. (Silt and clay, grayish-brown, dry, medium stiff, no hydrocarbon odor).	
	0.0						
	0.0						
	0.0						
5	0.2						
	NR					No recovery.	
	NR	0%					
	0.0				CL	Clay and silt, sandy, brownish-gray, dry, medium stiff, no hydrocarbon odor.	
	0.0	100%					
10	0.0						
	NR					No recovery.	
	NR	0%					
	NR						
	0.1				SM	Sand, silty, grayish-brown, dry. loose, fine to medium-grained.	
15	0.0	100%					
	NR					No recovery.	
	NR	0%					
	0.0				SM	Sand, silty, grayish-brown, dry. loose, fine-grained.	
	0.0	100%					
20	0.0				SC	Sand, clayey, brown, dry, medium dense, few 1-2" cobbles, no hydrocarbon odor.	
	1.1						
	1.4						
	0.4	100%					
	0.1						
25	0.0						
	NR					No recovery.	
	NR	0%					
	0.1				SC	Sand, clayey, brown, dry, medium dense, few 1-2" cobbles, no hydrocarbon odor.	
	1.9*	100%			SM	Sand, silty, clayey, olive-green, dry, loose to dense, hydrocarbon odor in lower portion.	
30							

Continued Next Page

Drilling Log 2016 FIELDS A#7A LOGS.GPJ MWH IA.GDT 5/31/22

Drilling Log

Stantec

Monitoring Well **MW-12**

Page: 2 of 2

Project *Fields A#7A* Owner *El Paso CGP Company, LLC*

Location *San Juan County, New Mexico* Project Number *193708848*

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
						Continued	
30	457*					Weathered sandstone, olive-green, dry, hard, moderately cemented, bedded, fine to medium-grained, hydrocarbon odor. *Sample collected: MW-12 29-30'.	
	NR	0%				No recovery.	
	NR						
	35					Weathered sandstone, silty, olive to brown, weakly to moderately cemented, thinly bedded, fine to medium-grained.	
	239	100%			SC	Sand, clayey, yellowish-brown, damp, fine to medium grained becoming more coarse with depth, slight hydrocarbon odor.	
35	76					No recovery.	
	NR	0%					
	NR					Weathered sandstone, clayey, yellowish-brown, damp, moderately cemented, fine to medium-grained.	
	6.6						
	6.2	100%			SC	Sand, clayey, silty, yellowish-brown to gray with depth, damp, medium-dense, fine-grained	
40	7.5					No recovery.	
	NR	0%					
	1.1					Weathered sandstone, gray, damp to moist, moderately cemented, thinly bedded, fine to medium-grained.	
	0.6						
	0.4	100%				Weathered sandstone, clayey seams with depth, brown, damp to moist, weakly to moderately cemented, poorly sorted, no hydrocarbon odor.	
45	0.1					Weathered sandstone, silty, gray, damp, weakly cemented, massive, fine-grained.	
	0.2	100%				Weathered sandstone, silty, gray, moist to wet, moderately to strongly cemented, massive, fine-grained, no hydrocarbon odor.	
						End of boring = 46'. Well set at 45'.	
50							
55							
60							
65							
70							

Drilling Log 2016 FIELDS A#7A LOGS.GPJ MWH IA.GDT 5/31/22

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 10	MW-12	SJ-4204

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

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

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	36	56	39.12	N
	LONGITUDE	-107	58	55.92	W

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

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

SW,NW, Section 34, Township 32N, Range 11W, San Juan County, NM

2. DRILLING & CASING INFORMATION

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

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/18/2022	4/18/2022	45	45.5	34

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): 32

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	45.5	8	Sch 40 PVC Blank 0-25'	Flush Thread	2.375	.154	
			Sch 40 PVC Screen 25'-45'	Flush Thread	2.375	.154	.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	1.5	8	Concrete	2.5	Pour
1.5	20	8	Cement/Bentonite Grout	9.5	Tremie Pumped
20	23	8	3/8" Chips	1.5	Pour
23	45.5	8	20/40 Sand	15	Pour

FOR OSE INTERNAL USE

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

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

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	23	23	Silty Sands	Y ✔ N	
23	32	9	Clays with weathered sand stone	Y ✔ N	
32	45.5	13.5	Sand stone	✔ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

Brendon Remillard

6. SIGNATURE

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

Shawn Cain — 5/20/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

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

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

Drilling Log

Stantec

Monitoring Well **MW-13**

Page: 1 of 2

Project *Fields A#7A* Owner *El Paso CGP Company, LLC*

Location *San Juan County, New Mexico* Project Number *193708848*

Surface Elev. *6082.63 ft* North *NA* East *NA*

Top of Casing *6082.39 ft* Water Level Initial ▽ *6054.39* 04/15/22 00:00 Static ▼ *6051.88* 04/18/22 00:00

Hole Depth *40.0 ft* Screen: Diameter *2 in* Length *20.0 ft* Type/Size *PVC/0.01 in*

Hole Diameter *8.25 in* Casing: Diameter *2 in* Length *20.0 ft* Type *PVC*

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

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

Start Date *4/15/2022* Completion Date *4/16/2022* Checked By *S. Varsa*

COMMENTS
0-5' hand-augered.

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

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) — Geologic Descriptions are Based on the USCS.
0	0.0				SM	0-5' hand-augered. (Silt and sand, olive-brown, dry, no hydrocarbon odor).
	0.0					
	0.0	100%			CL	Clay, silty, sandy, olive-brown, dry.
	0.2					
5	0.0					No recovery.
	NR	0%				
	NR				SC	Sand, clayey and increasing with depth, olive-brown, dry, loose to medium dense, hydrocarbon odor.
	0.8				CL	Clay, slightly sandy, grayish-brown/olive, dry, medium dense, hydrocarbon odor.
	1.3	100%				
10	0.6					No recovery.
	NR	0%				
	NR				CL	Clay, sandy, gray, dry, medium stiff, hydrocarbon odor. *Sample collected: MW-13 13-14'.
	36*					
	367*	100%			SC	Sand w/silt and clay, gray, dry, fine to medium-grained, hydrocarbon odor. Driller reported hard drilling.
15	32				SM	Sand, silty, gray, dry, very dense, fine to medium-grained, hydrocarbon odor.
	332	100%				Weathered sandstone, silty, tan, dry, weakly to moderately cemented, hydrocarbon odor.
	342					No recovery.
	NR	0%				
	10					Weathered sandstone, silty, yellowish- and orangish-brown, dry, thinly-bedded.
20	32	100%			SM	Sand, silty, clayey, gray, dry, dense, medium-grained, hydrocarbon odor.
	NR					No recovery.
	NR				SM	Sand, silty, clayey, yellowish-brown to olive gray, dry, very dense, fine to medium-grained, slight hydrocarbon odor. Hard drilling.
	9.0					
	1.4				SM	Sand, silty, clayey, dark gray, dry, hydrocarbon-stained, slight hydrocarbon odor.
25	14					Weathered sandstone, silty, yellowish- to olive brown, dry, very hard, massive, fine to medium-grained, slight hydrocarbon odor.
	NR					No recovery.
	NR					
▽	NR	40%				Weathered sandstone, some clay, olive-brown and gray, damp, dense, fine to medium-grained, thinly bedded.
	92*					
30						Weathered sandstone, gray, dry, weakly cemented, fine to

Continued Next Page

Well Completion

Drilling Log 2016 FIELDS A#7A LOGS.GPJ MWH IA.GDT 5/31/22

Drilling Log

Stantec

Monitoring Well **MW-13**

Page: 2 of 2

Project *Fields A#7A* Owner *El Paso CGP Company, LLC*

Location *San Juan County, New Mexico* Project Number *193708848*

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
						Continued	
30	606*	0%				medium-grained, hydrocarbon odor. *Sample collected: MW-13 29-30'.	
	NR					No recovery.	
	NR						
	39	100%				Weathered sandstone, clayey, gray, weakly to moderately cemented, fine to medium-grained, hydrocarbon odor.	
	136					Weathered sandstone, yellowish-brown, damp, weakly cemented, massive, fine to medium-grained, trace coarse grains, hydrocarbon odor.	
35	33					Weathered sandstone, yellowish-brown, damp, medium to coarse-grained, bedded.	
	254	100%				Weathered sandstone, yellowish-brown becoming gray with depth, hard, medium to coarse grained to 37.8' then fine to medium-grained, massive.	
	15						
	6.6					Weathered sandstone, gray, fine to medium-grained, bedded.	
	56	100%				Weathered sandstone, silty, gray, damp, weakly cemented, thinly bedded, fine to medium-grained.	
40	52						
	33					End of boring = 41'. Well set at 40'.	
45							
50							
55							
60							
65							
70							

Drilling Log 2016 FIELDS A#7A LOGS.GPJ MWH IA.GDT 5/31/22

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 11	MW-13	SJ-4204

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

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

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	36	56	39.4794	N
	LONGITUDE	-107	58	55.56	W

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

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

SW,NW, Section 34, Township 32N, Range 11W, San Juan County, NM

2. DRILLING & CASING INFORMATION

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

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/15/2022	4/16/2022	40	41	32

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): 31

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

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

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	41	8	Sch 40 PVC Blank 0-20'	Flush Thread	2.375	.154	
			Sch 40 PVC Screen 20'-40'	Flush Thread	2.375	.154	.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	1.5	8	Concrete	2.5	Pour
1.5	15	8	Cement/Bentonite Grout	7	Tremie Pumped
15	18	8	3/8" Chips	1.5	Pour
18	41	8	20/40 Sand	15.5	Pour

FOR OSE INTERNAL USE

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

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

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	20	20	Silty Sands	Y ✔ N	
20	25	5	Weathered Sand Stone	Y ✔ N	
25	30	5	Clays	Y ✔ N	
30	41	11	Weathered Sand Stone	✔ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

Brendon Remillard

6. SIGNATURE

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

Shawn Cain — 5/20/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

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

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

APPENDIX C

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. 824149

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

DATE 3/22/22

DEL. TKT#.

GENERATOR: El Paso CGP Com. LLC

BILL TO: El Paso CGP Comm LLC

HAULING CO. Oil Conservation Division

DRIVER: Sean Clary
(Print Full Name)

ORDERED BY: Joe W

CODES:

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

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		James F. Bell #1E / Fields A #7A	1	70			.70	
2		STATE GAS COM N #1 / K 27 L 007					'22 MAR 22 6:15PM	
3		Fogelson 4-1 / Knight #1						
4		GCU 124E / Miles Fed #1A						
5		Corrales Mesa #2						

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

☒ Approved ☐ Denied ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 2020 1973-1

envirotech

Bill of Lading

MANIFEST # 72634
GENERATOR El Paso (Kinder Morgan)
POINT OF ORIGIN Fields A #7A
TRANSPORTER Envirotech
DATE 04.27.22 JOB # 14073-0060

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF2-5	Cont Soil	M34		4/8			964	1325	
									SCANNED	

RESULTS		
4281	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
PASS	PAINT FILTER TEST	1

LANDFARM EMPLOYEE Corey Robinson

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

NOTES

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

Generator Onsite Contact _____ Phone _____

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

SAN JUAN PRINTING 2021 407-3

envirotech

Bill of Lading

MANIFEST # 73058
GENERATOR El Paso
POINT OF ORIGIN Rio Vista Comp Station
TRANSPORTER Envirotech
DATE 05-24-22 JOB # See Below

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

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

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

LANDFARM EMPLOYEE Cory Robinson BLM

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

NOTES

SCANNED

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

Generator Onsite Contact _____ Phone _____

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

SAN JUAN PRINTING 2021 407-3

envirotech

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

GENERATOR

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

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

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

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

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

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

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

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

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Special Waste

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

Transporter 2 Acknowledgement of Receipt of Special Waste

Printed/Typed Name:	Signature:	Date:

FACILITY

Discrepancy Indication Space:

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

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

envirotech

Bill of Lading

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

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

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

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

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

Generator Onsite Contact _____ Phone _____

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

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 76385

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11-7-22 TIME 8:45 Am

CUSTOMER Kinder Morgan

SITE Pit Sites

DRIVER A. Musso

SAMPLE Soil Straight ✓ With Dirt _____

CHLORIDE TEST -291 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 8:47 Time completed _____

PASS YES _____ NO _____

SAMPLER/ANALYST CR

Attach test strip here

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

envirotech

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

GENERATOR

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

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

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

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

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

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

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

TRANSPORTER

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

FACILITY

Discrepancy Indication Space:

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

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-138
Revised August 1, 2011

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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

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

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

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

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

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

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

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

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

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

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

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

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

OCD Permitted Surface Waste Management Facility

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

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

Method of Treatment and/or Disposal:

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

Waste Acceptance Status:

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

PRINT NAME: _____ TITLE: _____ DATE: _____

SIGNATURE: _____ TELEPHONE NO.: _____

APPENDIX D

envirotech

Bill of Lading

MANIFEST # 72634
GENERATOR El Paso (Kinder Morgan)
POINT OF ORIGIN Fields A #7A
TRANSPORTER Envirotech
DATE 04.27.22 JOB # 14073-0060

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF2-5	Cont Soil	M34		8			964	1325	
									SCANNED	

RESULTS		
4281	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
PASS	PAINT FILTER TEST	1

LANDFARM EMPLOYEE Corey Robinson

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

NOTES

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

Generator Onsite Contact _____ Phone _____

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

SAN JUAN PRINTING 2021 407-3

APPENDIX E

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-220392-1
Client Project/Site: Fields A 7A

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

Attn: Steve Varsa

Authorized for release by:
6/8/2022 8:48:04 AM
Isabel Enfinger, Project Manager I
(850)471-6237
isabel.enfinger@et.eurofinsus.com

Designee for

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

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Laboratory Job ID: 400-220392-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Job ID: 400-220392-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-220392-1

Comments
No additional comments.

Receipt
The samples were received on 5/24/2022 9:02 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

Receipt Exceptions
The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): MW-4R (400-220392-9)

GC/MS VOA
No analytical or quality issues were noted, other than those described 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: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-1 — Lab Sample ID: 400-220392-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	130		1.0		ug/L	1		8260C	Total/NA
Toluene	6.5		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	13		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 400-220392-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	9.0		1.0		ug/L	1		8260C	Total/NA
Toluene	5.0		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 400-220392-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	14		1.0		ug/L	1		8260C	Total/NA
Toluene	4.3		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 400-220392-4

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 400-220392-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.1		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.4		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 400-220392-6

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-220392-7

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-220392-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	150		1.0		ug/L	1		8260C	Total/NA
Toluene	6.8		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.1		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	14		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-4R — Lab Sample ID: 400-220392-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.1		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-220392-1	MW-1	Water	05/21/22 12:25	05/24/22 09:02
400-220392-2	MW-5	Water	05/21/22 12:10	05/24/22 09:02
400-220392-3	MW-7	Water	05/21/22 12:20	05/24/22 09:02
400-220392-4	MW-10	Water	05/21/22 12:30	05/24/22 09:02
400-220392-5	MW-12	Water	05/21/22 12:45	05/24/22 09:02
400-220392-6	MW-13	Water	05/21/22 12:50	05/24/22 09:02
400-220392-7	TRIP BLANK	Water	05/21/22 11:10	05/24/22 09:02
400-220392-8	DUP-01	Water	05/21/22 13:25	05/24/22 09:02
400-220392-9	MW-4R	Water	05/21/22 12:00	05/24/22 09:02

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-1
Date Collected: 05/21/22 12:25
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**130**		1.0		ug/L			06/04/22 10:44	1
Toluene	**6.5**		1.0		ug/L			06/04/22 10:44	1
Ethylbenzene	<1.0		1.0		ug/L			06/04/22 10:44	1
Xylenes, Total	**13**		10		ug/L			06/04/22 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 119*		*06/04/22 10:44*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/04/22 10:44*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/04/22 10:44*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-5

Date Collected: 05/21/22 12:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9.0**		1.0		ug/L			06/03/22 18:55	1
Toluene	**5.0**		1.0		ug/L			06/03/22 18:55	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 18:55	1
Xylenes, Total	<10		10		ug/L			06/03/22 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 119*		*06/03/22 18:55*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*06/03/22 18:55*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/03/22 18:55*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-7

Date Collected: 05/21/22 12:20
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**14**		1.0		ug/L			06/03/22 19:21	1
Toluene	**4.3**		1.0		ug/L			06/03/22 19:21	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 19:21	1
Xylenes, Total	<10		10		ug/L			06/03/22 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*06/03/22 19:21*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/03/22 19:21*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/03/22 19:21*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-10

Date Collected: 05/21/22 12:30
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 19:48	1
Toluene	<1.0		1.0		ug/L			06/03/22 19:48	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 19:48	1
Xylenes, Total	<10		10		ug/L			06/03/22 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 119*		*06/03/22 19:48*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/03/22 19:48*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*06/03/22 19:48*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-12

Date Collected: 05/21/22 12:45
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.1**		1.0		ug/L			06/03/22 20:14	1
Toluene	<1.0		1.0		ug/L			06/03/22 20:14	1
Ethylbenzene	**1.4**		1.0		ug/L			06/03/22 20:14	1
Xylenes, Total	<10		10		ug/L			06/03/22 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 119*		*06/03/22 20:14*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*06/03/22 20:14*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*06/03/22 20:14*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-13

Date Collected: 05/21/22 12:50
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 20:40	1
Toluene	<1.0		1.0		ug/L			06/03/22 20:40	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 20:40	1
Xylenes, Total	<10		10		ug/L			06/03/22 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*06/03/22 20:40*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/03/22 20:40*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*06/03/22 20:40*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: TRIP BLANK

Date Collected: 05/21/22 11:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 16:44	1
Toluene	<1.0		1.0		ug/L			06/03/22 16:44	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 16:44	1
Xylenes, Total	<10		10		ug/L			06/03/22 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 119*		*06/03/22 16:44*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/03/22 16:44*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/03/22 16:44*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: DUP-01

Date Collected: 05/21/22 13:25
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**150**		1.0		ug/L			06/04/22 11:08	1
Toluene	**6.8**		1.0		ug/L			06/04/22 11:08	1
Ethylbenzene	**1.1**		1.0		ug/L			06/04/22 11:08	1
Xylenes, Total	**14**		10		ug/L			06/04/22 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*06/04/22 11:08*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/04/22 11:08*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/04/22 11:08*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-4R

Date Collected: 05/21/22 12:00
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.1**		1.0		ug/L			06/03/22 21:06	1
Toluene	<1.0		1.0		ug/L			06/03/22 21:06	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 21:06	1
Xylenes, Total	<10		10		ug/L			06/03/22 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*06/03/22 21:06*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/03/22 21:06*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/03/22 21:06*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: MW-1
Date Collected: 05/21/22 12:25
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-1
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	580100	06/04/22 10:44	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-5
Date Collected: 05/21/22 12:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-2
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	579982	06/03/22 18:55	SAB	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-7
Date Collected: 05/21/22 12:20
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-3
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	579982	06/03/22 19:21	SAB	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-10
Date Collected: 05/21/22 12:30
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-4
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	579982	06/03/22 19:48	SAB	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-12
Date Collected: 05/21/22 12:45
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-5
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	579982	06/03/22 20:14	SAB	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-13
Date Collected: 05/21/22 12:50
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579982	06/03/22 20:40	SAB	TAL PEN
	Instrument ID: CH_CONAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

Client Sample ID: TRIP BLANK
Date Collected: 05/21/22 11:10
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579982	06/03/22 16:44	SAB	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: DUP-01
Date Collected: 05/21/22 13:25
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	580100	06/04/22 11:08	WPD	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-4R
Date Collected: 05/21/22 12:00
Date Received: 05/24/22 09:02

Lab Sample ID: 400-220392-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579982	06/03/22 21:06	SAB	TAL PEN
	Instrument ID: CH_CONAN									

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

GC/MS VOA

Analysis Batch: 579982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220392-2	MW-5	Total/NA	Water	8260C	
400-220392-3	MW-7	Total/NA	Water	8260C	
400-220392-4	MW-10	Total/NA	Water	8260C	
400-220392-5	MW-12	Total/NA	Water	8260C	
400-220392-6	MW-13	Total/NA	Water	8260C	
400-220392-7	TRIP BLANK	Total/NA	Water	8260C	
400-220392-9	MW-4R	Total/NA	Water	8260C	
MB 400-579982/5	Method Blank	Total/NA	Water	8260C	
LCS 400-579982/1002	Lab Control Sample	Total/NA	Water	8260C	
400-220550-A-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-220550-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 580100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220392-1	MW-1	Total/NA	Water	8260C	
400-220392-8	DUP-01	Total/NA	Water	8260C	
MB 400-580100/4	Method Blank	Total/NA	Water	8260C	
LCS 400-580100/1002	Lab Control Sample	Total/NA	Water	8260C	
400-220568-A-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-220568-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

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

Lab Sample ID: MB 400-579982/5
Matrix: Water
Analysis Batch: 579982

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/22 12:49	1
Toluene	<1.0		1.0		ug/L			06/03/22 12:49	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/22 12:49	1
Xylenes, Total	<10		10		ug/L			06/03/22 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*06/03/22 12:49*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/03/22 12:49*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/03/22 12:49*	*1*

Lab Sample ID: LCS 400-579982/1002
Matrix: Water
Analysis Batch: 579982

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	44.1		ug/L		88	70 - 130		
Toluene			50.0	44.0		ug/L		88	70 - 130		
Ethylbenzene			50.0	44.4		ug/L		89	70 - 130		
Xylenes, Total			100	88.6		ug/L		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 119*
Dibromofluoromethane	*108*		*75 - 126*
Toluene-d8 (Surr)	*90*		*64 - 132*

Lab Sample ID: 400-220550-A-2 MS
Matrix: Water
Analysis Batch: 579982

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	44.4		ug/L		89	56 - 142		
Toluene	<1.0		50.0	43.7		ug/L		87	65 - 130		
Ethylbenzene	<1.0		50.0	43.3		ug/L		87	58 - 131		
Xylenes, Total	<10		100	87.6		ug/L		88	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*72 - 119*
Dibromofluoromethane	*107*		*75 - 126*
Toluene-d8 (Surr)	*91*		*64 - 132*

Lab Sample ID: 400-220550-A-2 MSD
Matrix: Water
Analysis Batch: 579982

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	42.1		ug/L		84	56 - 142	5	30
Toluene	<1.0		50.0	41.8		ug/L		84	65 - 130	5	30
Ethylbenzene	<1.0		50.0	41.2		ug/L		82	58 - 131	5	30

Eurofins Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

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

Lab Sample ID: 400-220550-A-2 MSD
Matrix: Water
Analysis Batch: 579982

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	83.0		ug/L		83	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*72 - 119*
Dibromofluoromethane	*101*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: MB 400-580100/4
Matrix: Water
Analysis Batch: 580100

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			06/04/22 07:52	1
Toluene	<1.0		1.0		ug/L			06/04/22 07:52	1
Ethylbenzene	<1.0		1.0		ug/L			06/04/22 07:52	1
Xylenes, Total	<10		10		ug/L			06/04/22 07:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*06/04/22 07:52*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/04/22 07:52*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/04/22 07:52*	*1*

Lab Sample ID: LCS 400-580100/1002
Matrix: Water
Analysis Batch: 580100

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	44.4		ug/L		89	70 - 130		
Toluene			50.0	45.1		ug/L		90	70 - 130		
Ethylbenzene			50.0	44.8		ug/L		90	70 - 130		
Xylenes, Total			100	90.5		ug/L		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*72 - 119*
Dibromofluoromethane	*103*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-220568-A-2 MS
Matrix: Water
Analysis Batch: 580100

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	1.8		50.0	48.4		ug/L		93	56 - 142		
Toluene	25		50.0	69.7		ug/L		90	65 - 130		
Ethylbenzene	4.0		50.0	49.9		ug/L		92	58 - 131		
Xylenes, Total	42		100	136		ug/L		94	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A 7A

Job ID: 400-220392-1

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

Lab Sample ID: 400-220568-A-2 MS
Matrix: Water
Analysis Batch: 580100

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	92		72 - 119
Dibromofluoromethane	104		75 - 126
Toluene-d8 (Surr)	91		64 - 132

Lab Sample ID: 400-220568-A-2 MSD
Matrix: Water
Analysis Batch: 580100

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	1.8		50.0	46.2		ug/L		89	56 - 142	5	30
Toluene	25		50.0	69.7		ug/L		90	65 - 130	0	30
Ethylbenzene	4.0		50.0	49.7		ug/L		91	58 - 131	0	30
Xylenes, Total	42		100	136		ug/L		93	59 - 130	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	97		72 - 119
Dibromofluoromethane	104		75 - 126
Toluene-d8 (Surr)	93		64 - 132

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

Chain of Custody Record

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Client Information
Client Contact: Steve Varsa
Company: Stantec Consulting Services Inc
Address: 11311 Aurora Avenue
City: Des Moines
State, Zip: IA, 50322-7904
Phone:
Email: steve.varsa@stantec.com
Project Name: ~~State Gas Com N #1.00~~ Fields A 7A
Site: Fields

Sampler: Sarah Gardner / Sean Clary
Phone: (303) 291-2239
PWSID:
Due Date Requested:
TAT Requested (days): See ARF
Compliance Project: Δ Yes Δ No
PO #: WD1040021
WO #: ERG-STN-05-06-22-SAH-15
Project #: 40005479
SSOW#:

Lab PM: Whitmire, Cheyenne R
E-Mail: Cheyenne.Whitmire@et.eurofinsus.com
Carrier Tracking No(s):
State of Origin:

COC No: 400-111407-37667.3
Page: Page ~~3 of 3~~ 1 of 1
Job #:

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:

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:
Preservation Code:							A	N		
MW-1	5/21/2022	1225	G	Water			2			
MW-5	5/21/2022	1210	G	W			3			
MW-7	5/21/2022	1220	G	W			3			
MW-10	5/21/2022	1230	G	W			3			
MW-12	5/21/2022	1245	G	W			3			
MW-13	5/21/2022	1250	G	W			3			
Trip Blank	5/21/2022	1110	G	W			1			
DUP-01	5/21/2022	1325	G	W			2			

400-220392 COC

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sarah Gardner	5/23/2022 1215	Stantec	MP	5/24/22 0902	EETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.1°C IR9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-220392-1

Login Number: 220392 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Recieved sample 9, not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-220392-1
Project/Site: Fields A 7A

Laboratory: Eurofins Pensacola

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

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/16/2022 10:07:39 AM

JOB DESCRIPTION

Fields A#7A

JOB NUMBER

400-228227-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

my EOL

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Laboratory Job ID: 400-228227-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Job ID: 400-228227-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-228227-1

Comments
No additional comments.

Receipt
The samples were received on 11/2/2022 8:59 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.1° C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-228227-2) and MW-1 (400-228227-3). Elevated reporting limits (RLs) are provided.

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

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: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: TB-01 Lab Sample ID: 400-228227-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-228227-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	350		2.0		ug/L	2		8260C	Total/NA
Toluene	3.5		2.0		ug/L	2		8260C	Total/NA
Ethylbenzene	5.4		2.0		ug/L	2		8260C	Total/NA
Xylenes, Total	100		20		ug/L	2		8260C	Total/NA

Client Sample ID: MW-1 Lab Sample ID: 400-228227-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	290		2.0		ug/L	2		8260C	Total/NA
Toluene	2.5		2.0		ug/L	2		8260C	Total/NA
Ethylbenzene	4.1		2.0		ug/L	2		8260C	Total/NA
Xylenes, Total	74		20		ug/L	2		8260C	Total/NA

Client Sample ID: MW-4R Lab Sample ID: 400-228227-4

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

Client Sample ID: MW-5 Lab Sample ID: 400-228227-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	3.6		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-7 Lab Sample ID: 400-228227-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	42		1.0		ug/L	1		8260C	Total/NA
Toluene	26		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	30		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-10 Lab Sample ID: 400-228227-7

No Detections.

Client Sample ID: MW-12 Lab Sample ID: 400-228227-8

No Detections.

Client Sample ID: MW-13 Lab Sample ID: 400-228227-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.4		1.0		ug/L	1		8260C	Total/NA
Toluene	2.2		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.0		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	58		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-8 Lab Sample ID: 400-228227-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-228227-1	TB-01	Water	10/31/22 17:00	11/02/22 08:59
400-228227-2	DUP-01	Water	10/31/22 18:30	11/02/22 08:59
400-228227-3	MW-1	Water	10/31/22 17:30	11/02/22 08:59
400-228227-4	MW-4R	Water	10/31/22 17:40	11/02/22 08:59
400-228227-5	MW-5	Water	10/31/22 17:50	11/02/22 08:59
400-228227-6	MW-7	Water	10/31/22 17:58	11/02/22 08:59
400-228227-7	MW-10	Water	10/31/22 18:10	11/02/22 08:59
400-228227-8	MW-12	Water	10/31/22 18:17	11/02/22 08:59
400-228227-9	MW-13	Water	10/31/22 16:25	11/02/22 08:59
400-228227-10	MW-8	Water	10/31/22 12:00	11/02/22 08:59

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: TB-01

Date Collected: 10/31/22 17:00
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/11/22 09:21	1
Toluene	<1.0		1.0		ug/L			11/11/22 09:21	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 09:21	1
Xylenes, Total	<10		10		ug/L			11/11/22 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*11/11/22 09:21*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*11/11/22 09:21*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/11/22 09:21*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: DUP-01
Date Collected: 10/31/22 18:30
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350**		2.0		ug/L			11/11/22 13:06	2
Toluene	**3.5**		2.0		ug/L			11/11/22 13:06	2
Ethylbenzene	**5.4**		2.0		ug/L			11/11/22 13:06	2
Xylenes, Total	**100**		20		ug/L			11/11/22 13:06	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*11/11/22 13:06*	*2*
Dibromofluoromethane	*104*		*75 - 126*		*11/11/22 13:06*	*2*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/11/22 13:06*	*2*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-1
Date Collected: 10/31/22 17:30
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-3
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**290**		2.0		ug/L			11/11/22 13:30	2
Toluene	**2.5**		2.0		ug/L			11/11/22 13:30	2
Ethylbenzene	**4.1**		2.0		ug/L			11/11/22 13:30	2
Xylenes, Total	**74**		20		ug/L			11/11/22 13:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*11/11/22 13:30*	*2*
Dibromofluoromethane	*103*		*75 - 126*		*11/11/22 13:30*	*2*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/11/22 13:30*	*2*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-4R
Date Collected: 10/31/22 17:40
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.0**		1.0		ug/L			11/11/22 11:00	1
Toluene	<1.0		1.0		ug/L			11/11/22 11:00	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 11:00	1
Xylenes, Total	<10		10		ug/L			11/11/22 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*11/11/22 11:00*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*11/11/22 11:00*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/11/22 11:00*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-5

Date Collected: 10/31/22 17:50
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.6**		1.0		ug/L			11/11/22 11:26	1
Toluene	<1.0		1.0		ug/L			11/11/22 11:26	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 11:26	1
Xylenes, Total	<10		10		ug/L			11/11/22 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*11/11/22 11:26*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*11/11/22 11:26*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/11/22 11:26*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-7
Date Collected: 10/31/22 17:58
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-6
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**42**		1.0		ug/L			11/11/22 11:51	1
Toluene	**26**		1.0		ug/L			11/11/22 11:51	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 11:51	1
Xylenes, Total	**30**		10		ug/L			11/11/22 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 119*		*11/11/22 11:51*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*11/11/22 11:51*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/11/22 11:51*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-10

Date Collected: 10/31/22 18:10
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/11/22 12:15	1
Toluene	<1.0		1.0		ug/L			11/11/22 12:15	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 12:15	1
Xylenes, Total	<10		10		ug/L			11/11/22 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 119*		*11/11/22 12:15*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*11/11/22 12:15*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/11/22 12:15*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-12

Date Collected: 10/31/22 18:17
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/11/22 12:39	1
Toluene	<1.0		1.0		ug/L			11/11/22 12:39	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 12:39	1
Xylenes, Total	<10		10		ug/L			11/11/22 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 119*		*11/11/22 12:39*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*11/11/22 12:39*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/11/22 12:39*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-13
Date Collected: 10/31/22 16:25
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-9
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.4**		1.0		ug/L			11/11/22 21:16	1
Toluene	**2.2**		1.0		ug/L			11/11/22 21:16	1
Ethylbenzene	**1.0**		1.0		ug/L			11/11/22 21:16	1
Xylenes, Total	**58**		10		ug/L			11/11/22 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*11/11/22 21:16*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*11/11/22 21:16*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/11/22 21:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-8

Date Collected: 10/31/22 12:00
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/11/22 21:42	1
Toluene	<1.0		1.0		ug/L			11/11/22 21:42	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 21:42	1
Xylenes, Total	<10		10		ug/L			11/11/22 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 119*		*11/11/22 21:42*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*11/11/22 21:42*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/11/22 21:42*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: TB-01
Date Collected: 10/31/22 17:00
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-1
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	600201	11/11/22 09:21	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: DUP-01
Date Collected: 10/31/22 18:30
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-2
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		2	5 mL	5 mL	600201	11/11/22 13:06	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-1
Date Collected: 10/31/22 17:30
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-3
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		2	5 mL	5 mL	600201	11/11/22 13:30	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-4R
Date Collected: 10/31/22 17:40
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-4
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	600201	11/11/22 11:00	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-5
Date Collected: 10/31/22 17:50
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-5
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	600201	11/11/22 11:26	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-7
Date Collected: 10/31/22 17:58
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	600201	11/11/22 11:51	WPD	EET PEN
	Instrument ID: CH_CONAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

Client Sample ID: MW-10
Date Collected: 10/31/22 18:10
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	600201	11/11/22 12:15	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-12
Date Collected: 10/31/22 18:17
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	600201	11/11/22 12:39	WPD	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-13
Date Collected: 10/31/22 16:25
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	600321	11/11/22 21:16	BEP	EET PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-8
Date Collected: 10/31/22 12:00
Date Received: 11/02/22 08:59

Lab Sample ID: 400-228227-10
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	600321	11/11/22 21:42	BEP	EET PEN
	Instrument ID: CH_CONAN									

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

GC/MS VOA

Analysis Batch: 600201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228227-1	TB-01	Total/NA	Water	8260C	
400-228227-2	DUP-01	Total/NA	Water	8260C	
400-228227-3	MW-1	Total/NA	Water	8260C	
400-228227-4	MW-4R	Total/NA	Water	8260C	
400-228227-5	MW-5	Total/NA	Water	8260C	
400-228227-6	MW-7	Total/NA	Water	8260C	
400-228227-7	MW-10	Total/NA	Water	8260C	
400-228227-8	MW-12	Total/NA	Water	8260C	
MB 400-600201/4	Method Blank	Total/NA	Water	8260C	
LCS 400-600201/1002	Lab Control Sample	Total/NA	Water	8260C	
400-228566-A-9 MS	Matrix Spike	Total/NA	Water	8260C	
400-228566-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 600321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228227-9	MW-13	Total/NA	Water	8260C	
400-228227-10	MW-8	Total/NA	Water	8260C	
MB 400-600321/4	Method Blank	Total/NA	Water	8260C	
LCS 400-600321/1002	Lab Control Sample	Total/NA	Water	8260C	
400-228202-G-3 MS	Matrix Spike	Total/NA	Water	8260C	
400-228202-G-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

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

Lab Sample ID: MB 400-600201/4
Matrix: Water
Analysis Batch: 600201

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			11/11/22 08:08	1
Toluene	<1.0		1.0		ug/L			11/11/22 08:08	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 08:08	1
Xylenes, Total	<10		10		ug/L			11/11/22 08:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 119*		*11/11/22 08:08*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*11/11/22 08:08*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/11/22 08:08*	*1*

Lab Sample ID: LCS 400-600201/1002
Matrix: Water
Analysis Batch: 600201

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	57.4		ug/L		115	70 - 130		
Toluene			50.0	56.5		ug/L		113	70 - 130		
Ethylbenzene			50.0	58.5		ug/L		117	70 - 130		
Xylenes, Total			100	117		ug/L		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*72 - 119*
Dibromofluoromethane	*94*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-228566-A-9 MS
Matrix: Water
Analysis Batch: 600201

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	46.1		ug/L		92	56 - 142		
Toluene	<1.0		50.0	42.6		ug/L		85	65 - 130		
Ethylbenzene	<1.0		50.0	42.4		ug/L		85	58 - 131		
Xylenes, Total	<10		100	85.4		ug/L		85	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*72 - 119*
Dibromofluoromethane	*94*		*75 - 126*
Toluene-d8 (Surr)	*94*		*64 - 132*

Lab Sample ID: 400-228566-A-9 MSD
Matrix: Water
Analysis Batch: 600201

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	52.0		ug/L		104	56 - 142	12	30
Toluene	<1.0		50.0	50.3		ug/L		101	65 - 130	16	30
Ethylbenzene	<1.0		50.0	49.3		ug/L		99	58 - 131	15	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

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

Lab Sample ID: 400-228566-A-9 MSD
Matrix: Water
Analysis Batch: 600201

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	97.8		ug/L		98	59 - 130	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*72 - 119*
Dibromofluoromethane	*94*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: MB 400-600321/4
Matrix: Water
Analysis Batch: 600321

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			11/11/22 17:47	1
Toluene	<1.0		1.0		ug/L			11/11/22 17:47	1
Ethylbenzene	<1.0		1.0		ug/L			11/11/22 17:47	1
Xylenes, Total	<10		10		ug/L			11/11/22 17:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 119*		*11/11/22 17:47*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*11/11/22 17:47*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/11/22 17:47*	*1*

Lab Sample ID: LCS 400-600321/1002
Matrix: Water
Analysis Batch: 600321

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	51.4		ug/L		103	70 - 130		
Toluene			50.0	53.3		ug/L		107	70 - 130		
Ethylbenzene			50.0	54.6		ug/L		109	70 - 130		
Xylenes, Total			100	109		ug/L		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*72 - 119*
Dibromofluoromethane	*91*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: 400-228202-G-3 MS
Matrix: Water
Analysis Batch: 600321

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	52.2		ug/L		104	56 - 142		
Toluene	<1.0		50.0	52.5		ug/L		105	65 - 130		
Ethylbenzene	<1.0		50.0	51.4		ug/L		103	58 - 131		
Xylenes, Total	<10		100	102		ug/L		102	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-228227-1

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

Lab Sample ID: 400-228202-G-3 MS
Matrix: Water
Analysis Batch: 600321

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	103		72 - 119
Dibromofluoromethane	91		75 - 126
Toluene-d8 (Surr)	100		64 - 132

Lab Sample ID: 400-228202-G-3 MSD
Matrix: Water
Analysis Batch: 600321

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	51.8		ug/L		104	56 - 142	1	30
Toluene	<1.0		50.0	53.4		ug/L		107	65 - 130	2	30
Ethylbenzene	<1.0		50.0	55.2		ug/L		110	58 - 131	7	30
Xylenes, Total	<10		100	110		ug/L		110	59 - 130	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	108		72 - 119
Dibromofluoromethane	92		75 - 126
Toluene-d8 (Surr)	100		64 - 132

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

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: SRC	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-114531-37670.1
Client Contact: Steve Varsa	Phone: 913 980 0251	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	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): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040035			
Email: steve.varsa@stantec.com	WO #: ERG-STN-10-07-22-SAH-02			
Project Name: Fields A#7A.00 SemiAnnual	Project #: 40005479			
Site: Fields A#7A	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, Y - Trizma, Z - other (specify)
Other:

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 - BTEX 8260	8260C - BTEX 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	A	X	
TB-01	10/31/2022	1700	G	Water			1		1	Trip Blank
DUP-01	10/31/2022	1830	G	Water			3		3	
MW-1	10/31/2022	1730	G	Water			3		3	
MW-4R	10/31/2022	1740	G	Water			3		3	
MW-5	10/31/2022	1750	G	Water			3		3	
MW-7	10/31/2022	1756	G	Water			3		3	
MW-10	10/31/2022	1810	G	Water			3		3	
MW-12	10/31/2022	1617	G	Water			3		3	
MW-13	10/31/2022	1625	G	Water			3		3	
MW-9	10/31/2022		G	Water			3		3	
				Water						

400-228227 COC

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11/1/2022 1020	STN		11-2-22 859	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 0.1°C IR10

Ver: 06 08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-228227-1

Login Number: 228227 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-228227-1
Project/Site: Fields A#7A

Laboratory: Eurofins Pensacola

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

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

Eurofins Pensacola

Job Notes

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

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

Authorization

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11/16/2022 10:07:39 AM

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APPENDIX F

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-218623-1
Client Project/Site: Fields A#7A

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

Attn: Steve Varsa

Cheyenne Whitmire

Authorized for release by:
5/3/2022 4:37:50 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@et.eurofinsus.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: Fields A#7A

Laboratory Job ID: 400-218623-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Job ID: 400-218623-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-218623-1

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

GC/MS VOA
Method 8260B: The following sample was diluted due to the abundance of non-target analytes: MW13 (13-14') (400-218623-1). Elevated reporting limits (RLs) are provided.

GC VOA
Method 8015B: The following sample was diluted because the base dilution for methanol preserved samples is 1:50: MW13 (13-14') (400-218623-1).

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Client Sample ID: MW13 (13-14') Lab Sample ID: 400-218623-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C6-C10	98		5.9		mg/Kg	50	☼	8015B	Total/NA
C10-C28	280		5.4		mg/Kg	1	☼	8015B	Total/NA
C28-C35	22		5.4		mg/Kg	1	☼	8015B	Total/NA
Chloride	29		22		mg/Kg	1	☼	300.0	Soluble

Client Sample ID: MW13 (29-30') Lab Sample ID: 400-218623-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C6-C10	0.12		0.10		mg/Kg	1	☼	8015B	Total/NA
C10-C28	13		5.4		mg/Kg	1	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218623-1	MW13 (13-14')	Solid	04/15/22 15:55	04/19/22 09:11
400-218623-2	MW13 (29-30')	Solid	04/16/22 09:10	04/19/22 09:11

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Client Sample ID: MW13 (13-14')

Date Collected: 04/15/22 15:55
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218623-1

Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.30		0.30		mg/Kg	☼	04/21/22 12:55	04/21/22 18:57	50
Toluene	<0.30		0.30		mg/Kg	☼	04/21/22 12:55	04/21/22 18:57	50
Ethylbenzene	<0.30		0.30		mg/Kg	☼	04/21/22 12:55	04/21/22 18:57	50
Xylenes, Total	<0.60		0.60		mg/Kg	☼	04/21/22 12:55	04/21/22 18:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*	*04/21/22 12:55*	*04/21/22 18:57*	*50*
Dibromofluoromethane	*100*		*77 - 127*	*04/21/22 12:55*	*04/21/22 18:57*	*50*
Toluene-d8 (Surr)	*101*		*76 - 127*	*04/21/22 12:55*	*04/21/22 18:57*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	98		5.9		mg/Kg	☼	04/20/22 09:26	04/20/22 14:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*96*		*65 - 125*	*04/20/22 09:26*	*04/20/22 14:04*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	280		5.4		mg/Kg	☼	04/21/22 12:03	04/22/22 19:40	1
C28-C35	22		5.4		mg/Kg	☼	04/21/22 12:03	04/22/22 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*27 - 150*	*04/21/22 12:03*	*04/22/22 19:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		22		mg/Kg	☼		04/28/22 13:10	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Client Sample ID: MW13 (29-30')

Date Collected: 04/16/22 09:10
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218623-2

Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0053		0.0053		mg/Kg	☼	04/21/22 12:55	04/21/22 18:33	1
Toluene	<0.0053		0.0053		mg/Kg	☼	04/21/22 12:55	04/21/22 18:33	1
Ethylbenzene	<0.0053		0.0053		mg/Kg	☼	04/21/22 12:55	04/21/22 18:33	1
Xylenes, Total	<0.011		0.011		mg/Kg	☼	04/21/22 12:55	04/21/22 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*	*04/21/22 12:55*	*04/21/22 18:33*	*1*
Dibromofluoromethane	*102*		*77 - 127*	*04/21/22 12:55*	*04/21/22 18:33*	*1*
Toluene-d8 (Surr)	*93*		*76 - 127*	*04/21/22 12:55*	*04/21/22 18:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**0.12**		0.10		mg/Kg	☼	04/20/22 09:26	04/20/22 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*96*		*65 - 125*	*04/20/22 09:26*	*04/20/22 13:11*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	**13**		5.4		mg/Kg	☼	04/21/22 12:03	04/22/22 16:30	1
C28-C35	<5.4		5.4		mg/Kg	☼	04/21/22 12:03	04/22/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*27 - 150*	*04/21/22 12:03*	*04/22/22 16:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<21		21		mg/Kg	☼		04/28/22 13:33	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Client Sample ID: MW13 (13-14')
Date Collected: 04/15/22 15:55
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218623-1
Matrix: Solid

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

Client Sample ID: MW13 (13-14')
Date Collected: 04/15/22 15:55
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218623-1
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5.00 g	574773	04/21/22 12:55	SAB	TAL PEN
Total/NA	Analysis	8260B		50	5 mL	5 mL	574731	04/21/22 18:57	SAB	TAL PEN
	Instrument ID: Brutus									
Total/NA	Prep	5035			5.13 g	5.00 g	574538	04/20/22 09:26	NTH	TAL PEN
Total/NA	Analysis	8015B		50	5 mL	5 mL	574537	04/20/22 14:04	GRK	TAL PEN
	Instrument ID: CH_RITA									
Total/NA	Prep	3546			15.30 g	1 mL	574737	04/21/22 12:03	NGB	TAL PEN
Total/NA	Analysis	8015B		1			574936	04/22/22 19:40	LHB	TAL PEN
	Instrument ID: WALLE									
Soluble	Leach	DI Leach			2.508 g	50 mL	575302	04/26/22 09:43	JAS	TAL PEN
Soluble	Analysis	300.0		1			575647	04/28/22 13:10	JAS	TAL PEN
	Instrument ID: Stitch									

Client Sample ID: MW13 (29-30')
Date Collected: 04/16/22 09:10
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218623-2
Matrix: Solid

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

Client Sample ID: MW13 (29-30')
Date Collected: 04/16/22 09:10
Date Received: 04/19/22 09:11

Lab Sample ID: 400-218623-2
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.14 g	5.00 g	574773	04/21/22 12:55	SAB	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	574731	04/21/22 18:33	SAB	TAL PEN
	Instrument ID: Brutus									
Total/NA	Prep	5035			5.16 g	5.00 g	574538	04/20/22 09:26	NTH	TAL PEN
Total/NA	Analysis	8015B		1	5 mL	5 mL	574537	04/20/22 13:11	GRK	TAL PEN
	Instrument ID: CH_RITA									
Total/NA	Prep	3546			15.12 g	1 mL	574737	04/21/22 12:03	NGB	TAL PEN
Total/NA	Analysis	8015B		1			574936	04/22/22 16:30	LHB	TAL PEN
	Instrument ID: WALLE									
Soluble	Leach	DI Leach			2.514 g	50 mL	575302	04/26/22 09:43	JAS	TAL PEN
Soluble	Analysis	300.0		1			575647	04/28/22 13:33	JAS	TAL PEN
	Instrument ID: Stitch									

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Laboratory References:

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

GC/MS VOA

Analysis Batch: 574731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	8260B	574773
400-218623-2	MW13 (29-30')	Total/NA	Solid	8260B	574773
MB 400-574773/2-A	Method Blank	Total/NA	Solid	8260B	574773
LCS 400-574773/1-A	Lab Control Sample	Total/NA	Solid	8260B	574773
400-218622-A-2-D MS	Matrix Spike	Total/NA	Solid	8260B	574773
400-218622-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	574773

Prep Batch: 574773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	5035	
400-218623-2	MW13 (29-30')	Total/NA	Solid	5035	
MB 400-574773/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-574773/1-A	Lab Control Sample	Total/NA	Solid	5035	
400-218622-A-2-D MS	Matrix Spike	Total/NA	Solid	5035	
400-218622-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC VOA

Analysis Batch: 574537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	8015B	574538
400-218623-2	MW13 (29-30')	Total/NA	Solid	8015B	574538
MB 400-574538/2-A	Method Blank	Total/NA	Solid	8015B	574538
LCS 400-574538/1-A	Lab Control Sample	Total/NA	Solid	8015B	574538
400-218623-1 MS	MW13 (13-14')	Total/NA	Solid	8015B	574538
400-218623-1 MSD	MW13 (13-14')	Total/NA	Solid	8015B	574538

Prep Batch: 574538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	5035	
400-218623-2	MW13 (29-30')	Total/NA	Solid	5035	
MB 400-574538/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-574538/1-A	Lab Control Sample	Total/NA	Solid	5035	
400-218623-1 MS	MW13 (13-14')	Total/NA	Solid	5035	
400-218623-1 MSD	MW13 (13-14')	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 574737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	3546	
400-218623-2	MW13 (29-30')	Total/NA	Solid	3546	
MB 400-574737/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-574737/2-A	Lab Control Sample	Total/NA	Solid	3546	
400-218622-B-1-A MS	Matrix Spike	Total/NA	Solid	3546	
400-218622-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 574936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	8015B	574737
400-218623-2	MW13 (29-30')	Total/NA	Solid	8015B	574737
MB 400-574737/1-A	Method Blank	Total/NA	Solid	8015B	574737

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

GC Semi VOA (Continued)

Analysis Batch: 574936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-574737/2-A	Lab Control Sample	Total/NA	Solid	8015B	574737
400-218622-B-1-A MS	Matrix Spike	Total/NA	Solid	8015B	574737
400-218622-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	574737

HPLC/IC

Leach Batch: 575302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Soluble	Solid	DI Leach	
400-218623-2	MW13 (29-30')	Soluble	Solid	DI Leach	
MB 400-575302/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-575302/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-575302/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
400-218622-B-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
400-218622-B-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 575647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Soluble	Solid	300.0	575302
400-218623-2	MW13 (29-30')	Soluble	Solid	300.0	575302
MB 400-575302/1-A	Method Blank	Soluble	Solid	300.0	575302
LCS 400-575302/2-A	Lab Control Sample	Soluble	Solid	300.0	575302
LCSD 400-575302/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	575302
400-218622-B-1-E MS	Matrix Spike	Soluble	Solid	300.0	575302
400-218622-B-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	575302

General Chemistry

Analysis Batch: 574874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218623-1	MW13 (13-14')	Total/NA	Solid	Moisture	
400-218623-2	MW13 (29-30')	Total/NA	Solid	Moisture	
400-218622-B-1 DU	Duplicate	Total/NA	Solid	Moisture	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

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

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

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

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

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

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

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

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

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

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

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574773

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

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

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

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574773

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

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

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

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574773

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

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

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

Lab Sample ID: MB 400-574538/2-A
Matrix: Solid
Analysis Batch: 574537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574538

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

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

Lab Sample ID: LCS 400-574538/1-A
Matrix: Solid
Analysis Batch: 574537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574538

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10			1.00	0.977		mg/Kg		98	62 - 141		

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

Lab Sample ID: 400-218623-1 MS
Matrix: Solid
Analysis Batch: 574537

Client Sample ID: MW13 (13-14')
Prep Type: Total/NA
Prep Batch: 574538

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

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

Lab Sample ID: 400-218623-1 MSD
Matrix: Solid
Analysis Batch: 574537

Client Sample ID: MW13 (13-14')
Prep Type: Total/NA
Prep Batch: 574538

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

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

Lab Sample ID: 400-218623-1 MSD
Matrix: Solid
Analysis Batch: 574537

Client Sample ID: MW13 (13-14')
Prep Type: Total/NA
Prep Batch: 574538

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

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

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

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	<5.0		5.0		mg/Kg		04/21/22 12:03	04/22/22 14:40	1
C28-C35	<5.0		5.0		mg/Kg		04/21/22 12:03	04/22/22 14:40	1

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

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

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			274	221		mg/Kg		81	38 - 116		

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

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

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 574737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<6.1		338	306		mg/Kg	☼	91	62 - 150		

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

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

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 574737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<6.1		339	299		mg/Kg	☼	88	62 - 150	2	30

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

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218623-1

Method: 300.0 - Anions, Ion Chromatography

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

Client Sample ID: Method Blank
Prep Type: Soluble

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

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

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

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

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

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

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

Client Sample ID: Matrix Spike
Prep Type: Soluble

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

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

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

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

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

Chain of Custody Record

eurofins Environment Testing America

Client Information			
Client Contact: Steve Varsa	Sampler:	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):
Company: Stantec Consulting Services Inc	Phone: 515 251 1019	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:
Address: 11311 Aurora Avenue	PWSID:		COC No: 400-110420-38778.1
City: Des Moines	Due Date Requested:		Page: Page 1 of 1
State, Zip: IA, 50322-7904	TAT Requested (days):		Job #: 19370884 8
Phone:	Compliance Project: Δ Yes Δ No		
Email: steve.varsa@stantec.com	PO #: WD801911		
Project Name: Fields A#7A El Paso CGP	WO #:		
Site:	Project #: 40005479		
	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX	8015B_GRO - GRO	8015B_DRO - DRO, ORO	9056_Total_Halo - Chloride	Moisture - Moisture	8260C - BTEX	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	N	N	N	A	X	
MW-13 (13-14')	4/15/22	1555	G	Solid			X	X	X	X	X			
MW-13 (29-30')	4/16/22	0910	G	Solid			X	X	X	X	X			
Trip Blank	—	—	G	Water								X		
Temp Blank	—	—	—	Water										
				Solid										
				Solid										
				Water										

400-218623 COC

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

Possible Hazard Identification
[X] 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 [X] 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: [signature]	Date/Time: 4/18/22 1700	Company: Stantec		Received by: Fed Ex		Date/Time: 4/18/22 1700	Company: Fed Ex
Relinquished by:	Date/Time:	Company:		Received by:		Date/Time:	Company:
Relinquished by:	Date/Time:	Company:		Received by: [signature]		Date/Time: 4-19-22 / 9:11	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: 2.1°C IR9.			

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-218623-1

Login Number: 218623 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-218623-1
Project/Site: Fields A#7A

Laboratory: Eurofins Pensacola

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

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-218818-1
Client Project/Site: Fields A#7A

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

Attn: Steve Varsa

Authorized for release by:
6/20/2022 11:20:09 AM
Isabel Enfinger, Project Manager I
(850)471-6237
isabel.enfinger@et.eurofinsus.com

Designee for

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

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Laboratory Job ID: 400-218818-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Job ID: 400-218818-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-218818-1

Receipt
The sample was received on 4/21/2022 9:44 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.9º C.

GC Semi VOA
Method 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 400-575370 and analytical batch 400-575692 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Client Sample ID: MW12 (29-30')

Lab Sample ID: 400-218818-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO)-C6-C10	1.5		0.11		mg/Kg	1	☼	8015B	Total/NA
Diesel Range Organics (DRO)	18		5.3		mg/Kg	1	☼	8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-218818-1	MW12 (29-30')	Solid	04/18/22 11:20	04/21/22 09:44

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Client Sample ID: MW12 (29-30')

Date Collected: 04/18/22 11:20
Date Received: 04/21/22 09:44

Lab Sample ID: 400-218818-1

Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0052		0.0052		mg/Kg	☼	04/23/22 08:40	04/23/22 12:08	1
Ethylbenzene	<0.0052		0.0052		mg/Kg	☼	04/23/22 08:40	04/23/22 12:08	1
Toluene	<0.0052		0.0052		mg/Kg	☼	04/23/22 08:40	04/23/22 12:08	1
Xylenes, Total	<0.010		0.010		mg/Kg	☼	04/23/22 08:40	04/23/22 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*	*04/23/22 08:40*	*04/23/22 12:08*	*1*
Dibromofluoromethane	*107*		*77 - 127*	*04/23/22 08:40*	*04/23/22 12:08*	*1*
Toluene-d8 (Surr)	*104*		*76 - 127*	*04/23/22 08:40*	*04/23/22 12:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1.5**		0.11		mg/Kg	☼	04/22/22 10:42	04/22/22 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*107*		*65 - 125*	*04/22/22 10:42*	*04/22/22 13:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	**18**		5.3		mg/Kg	☼	04/26/22 14:47	04/29/22 11:49	1
Oil Range Organics (ORO)	<5.3		5.3		mg/Kg	☼	04/26/22 14:47	04/29/22 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*27 - 150*	*04/26/22 14:47*	*04/29/22 11:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<22		22		mg/Kg	☼		04/28/22 16:59	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Client Sample ID: MW12 (29-30')
Date Collected: 04/18/22 11:20
Date Received: 04/21/22 09:44

Lab Sample ID: 400-218818-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			575116	04/25/22 09:22	WJM	TAL PEN
	Instrument ID: NOEQUIP									

Client Sample ID: MW12 (29-30')
Date Collected: 04/18/22 11:20
Date Received: 04/21/22 09:44

Lab Sample ID: 400-218818-1
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.14 g	5.00 g	575025	04/23/22 08:40	BPO	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	575016	04/23/22 12:08	BPO	TAL PEN
	Instrument ID: Darwin									
Total/NA	Prep	5035			5.13 g	5.00 g	574888	04/22/22 10:42	NTH	TAL PEN
Total/NA	Analysis	8015B		1	5 mL	5 mL	574890	04/22/22 13:34	NTH	TAL PEN
	Instrument ID: CH_RITA									
Total/NA	Prep	3546			15.33 g	1 mL	575370	04/26/22 14:47	NGB	TAL PEN
Total/NA	Analysis	8015B		1			575798	04/29/22 11:49	JAW	TAL PEN
	Instrument ID: Eva									
Soluble	Leach	DI Leach			2.500 g	50 mL	575302	04/26/22 09:43	JAS	TAL PEN
Soluble	Analysis	300.0		1			575647	04/28/22 16:59	JAS	TAL PEN
	Instrument ID: Stitch									

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

GC/MS VOA

Analysis Batch: 575016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	8260B	575025
MB 400-575025/2-A	Method Blank	Total/NA	Solid	8260B	575025
LCS 400-575025/1-A	Lab Control Sample	Total/NA	Solid	8260B	575025
400-218818-1 MS	MW12 (29-30')	Total/NA	Solid	8260B	575025
400-218818-1 MSD	MW12 (29-30')	Total/NA	Solid	8260B	575025

Prep Batch: 575025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	5035	
MB 400-575025/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-575025/1-A	Lab Control Sample	Total/NA	Solid	5035	
400-218818-1 MS	MW12 (29-30')	Total/NA	Solid	5035	
400-218818-1 MSD	MW12 (29-30')	Total/NA	Solid	5035	

GC VOA

Prep Batch: 574888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	5035	
MB 400-574888/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-574888/1-A	Lab Control Sample	Total/NA	Solid	5035	
400-218818-1 MS	MW12 (29-30')	Total/NA	Solid	5035	
400-218818-1 MSD	MW12 (29-30')	Total/NA	Solid	5035	

Analysis Batch: 574890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	8015B	574888
MB 400-574888/2-A	Method Blank	Total/NA	Solid	8015B	574888
LCS 400-574888/1-A	Lab Control Sample	Total/NA	Solid	8015B	574888
400-218818-1 MS	MW12 (29-30')	Total/NA	Solid	8015B	574888
400-218818-1 MSD	MW12 (29-30')	Total/NA	Solid	8015B	574888

GC Semi VOA

Prep Batch: 575370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	3546	
MB 400-575370/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-575370/2-A	Lab Control Sample	Total/NA	Solid	3546	
400-218932-B-8-A MS	Matrix Spike	Total/NA	Solid	3546	
400-218932-B-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 575692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-575370/1-A	Method Blank	Total/NA	Solid	8015B	575370
LCS 400-575370/2-A	Lab Control Sample	Total/NA	Solid	8015B	575370

Analysis Batch: 575798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	8015B	575370
400-218932-B-8-A MS	Matrix Spike	Total/NA	Solid	8015B	575370
400-218932-B-8-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	575370

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

HPLC/IC

Leach Batch: 575302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Soluble	Solid	DI Leach	
MB 400-575302/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-575302/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-575302/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
400-218622-B-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
400-218622-B-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 575647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Soluble	Solid	300.0	575302
MB 400-575302/1-A	Method Blank	Soluble	Solid	300.0	575302
LCS 400-575302/2-A	Lab Control Sample	Soluble	Solid	300.0	575302
LCSD 400-575302/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	575302
400-218622-B-1-E MS	Matrix Spike	Soluble	Solid	300.0	575302
400-218622-B-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	575302

General Chemistry

Analysis Batch: 575116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-218818-1	MW12 (29-30')	Total/NA	Solid	Moisture	
400-218886-D-27 MS	Matrix Spike	Total/NA	Solid	Moisture	
400-218886-D-27 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
400-218786-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

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

Lab Sample ID: MB 400-575025/2-A
Matrix: Solid
Analysis Batch: 575016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575025

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0050		0.0050		mg/Kg		04/23/22 08:40	04/23/22 11:01	1
Ethylbenzene	<0.0050		0.0050		mg/Kg		04/23/22 08:40	04/23/22 11:01	1
Toluene	<0.0050		0.0050		mg/Kg		04/23/22 08:40	04/23/22 11:01	1
Xylenes, Total	<0.010		0.010		mg/Kg		04/23/22 08:40	04/23/22 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*	*04/23/22 08:40*	*04/23/22 11:01*	*1*
Dibromofluoromethane	*108*		*77 - 127*	*04/23/22 08:40*	*04/23/22 11:01*	*1*
Toluene-d8 (Surr)	*105*		*76 - 127*	*04/23/22 08:40*	*04/23/22 11:01*	*1*

Lab Sample ID: LCS 400-575025/1-A
Matrix: Solid
Analysis Batch: 575016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575025

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.0473		mg/Kg		95	65 - 130		
Ethylbenzene			0.0500	0.0530		mg/Kg		106	70 - 130		
Toluene			0.0500	0.0501		mg/Kg		100	70 - 130		
Xylenes, Total			0.100	0.103		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
Dibromofluoromethane	*105*		*77 - 127*
Toluene-d8 (Surr)	*101*		*76 - 127*

Lab Sample ID: 400-218818-1 MS
Matrix: Solid
Analysis Batch: 575016

Client Sample ID: MW12 (29-30')
Prep Type: Total/NA
Prep Batch: 575025

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.0052		0.0527	0.0419		mg/Kg	☼	79	38 - 131		
Ethylbenzene	<0.0052		0.0527	0.0432		mg/Kg	☼	82	35 - 130		
Toluene	<0.0052		0.0527	0.0430		mg/Kg	☼	82	42 - 130		
Xylenes, Total	<0.010		0.105	0.0906		mg/Kg	☼	82	35 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*67 - 130*
Dibromofluoromethane	*102*		*77 - 127*
Toluene-d8 (Surr)	*104*		*76 - 127*

Lab Sample ID: 400-218818-1 MSD
Matrix: Solid
Analysis Batch: 575016

Client Sample ID: MW12 (29-30')
Prep Type: Total/NA
Prep Batch: 575025

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.0052		0.0525	0.0439		mg/Kg	☼	84	38 - 131	5	36
Ethylbenzene	<0.0052		0.0525	0.0441		mg/Kg	☼	84	35 - 130	2	46
Toluene	<0.0052		0.0525	0.0445		mg/Kg	☼	85	42 - 130	3	37

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

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

Lab Sample ID: 400-218818-1 MSD — **Client Sample ID: MW12 (29-30')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 575016 — **Prep Batch: 575025**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<0.010		0.105	0.0901		mg/Kg	☼	82	35 - 130	0	39

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
Dibromofluoromethane	*101*		*77 - 127*
Toluene-d8 (Surr)	*106*		*76 - 127*

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

Lab Sample ID: MB 400-574888/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574890 — **Prep Batch: 574888**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.10		0.10		mg/Kg		04/22/22 10:42	04/22/22 17:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid)	*98*		*65 - 125*	*04/22/22 10:42*	*04/22/22 17:49*	*1*

Lab Sample ID: LCS 400-574888/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574890 — **Prep Batch: 574888**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1.00	0.918		mg/Kg		92	62 - 141		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*97*		*65 - 125*

Lab Sample ID: 400-218818-1 MS — **Client Sample ID: MW12 (29-30')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574890 — **Prep Batch: 574888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1.5		1.04	2.73		mg/Kg	☼	120	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid)	*112*		*65 - 125*

Lab Sample ID: 400-218818-1 MSD — **Client Sample ID: MW12 (29-30')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 574890 — **Prep Batch: 574888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1.5		1.06	2.27		mg/Kg	☼	74	10 - 150	18	32

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid)	*110*		*65 - 125*

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

Lab Sample ID: MB 400-575370/1-A
Matrix: Solid
Analysis Batch: 575692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575370

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<5.0		5.0		mg/Kg		04/26/22 14:32	04/28/22 15:07	1
Oil Range Organics (ORO)	<5.0		5.0		mg/Kg		04/26/22 14:32	04/28/22 15:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*84*		*27 - 150*	*04/26/22 14:32*	*04/28/22 15:07*	*1*

Lab Sample ID: LCS 400-575370/2-A
Matrix: Solid
Analysis Batch: 575692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575370

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO)			274	218		mg/Kg		80	38 - 116		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	*77*		*27 - 150*

Lab Sample ID: 400-218932-B-8-A MS
Matrix: Solid
Analysis Batch: 575798

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 575370

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO)	45000		328	44300	4	mg/Kg	☼	-341	62 - 150		

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

Lab Sample ID: 400-218932-B-8-B MSD
Matrix: Solid
Analysis Batch: 575798

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 575370

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	45000		330	41000	4	mg/Kg	☼	-1340	62 - 150	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	*81*		*27 - 150*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Fields A#7A

Job ID: 400-218818-1

Method: 300.0 - Anions, Ion Chromatography

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

Client Sample ID: Method Blank
Prep Type: Soluble

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

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

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

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

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

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

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

Client Sample ID: Matrix Spike
Prep Type: Soluble

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

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

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

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

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rob Malcomson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-110418-38777.1
Client Contact: Steve Varsa	Phone: 515 251 1019	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #: 19370884 7
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:	PO #: WD801911			
Email: steve.varsa@stantec.com	WO #:			
Project Name: ~~Fogelcon #4~~ Field A#7A	Project #: 40005479			
Site: EP CGP	SSOW#:			

Analysis Requested

400-218818 COC

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX	8015B_GRO - GRO	8015B_DRO - DRO, ORO	9056_Total_Halo - Chloride	Moisture - Moisture	8260C - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW12 (29-30')	4/19/22	1120	G	Solid			X	X	X	X	X			
Temp Blank	—	—	—	Water										
~~Trip Blank~~ RSm 4/20/22	—	—	—	Water							X			Rush
				Water										

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Rob Malcomson	4/20/22 1700	Stantec	Fed Ex	4/20/22	Fed Ex
2		Date/Time:	Company	Received by:	Date/Time: 4/21/22 944	Company EETS
3		Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.9°C IR9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-218818-1
SDG Number:

Login Number: 218818
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-218818-1
Project/Site: Fields A#7A

Laboratory: Eurofins Pensacola

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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 200847

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 200847
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2022 Annual Groundwater Report: Content satisfactory 1. Proceed with Planned Future Activities as stated in this report. 2. Submit next annual groundwater monitoring report no later than April 1, 2024.	5/22/2023