2023 ANNUAL GROUNDWATER REPORT

James F. Bell #1E
Incident Number: nAUTOfAB000291
Meter Code: 94715
T30N, R13W, Sec10, Unit P

REVIEWED
By Mike Buchanan at 3:31 pm, Jun 28, 2024

Review of the 2023 Annual Groundwater Report for James F. Bell #1E:
Content Satisfactory
1. Continue quarterly site visits as planned. Facilitate the removal of LNAPL in MW-1, MW-8 and MW-11.
2. Continue to conduct groundwater monitoring on a semi-annual basis until constituents are demonstrating below the allowable concentrations per the WQCC, then transition to a quarterly schedule.
3. Submit the 2024 Annual report by April 1, 2025 to the OCD.

SITE DETAILS

Site Location: Latitude: 36.822568 N, Longitude: -108.187110 W
Land Type: Federal
Operator: Hilcorp Energy

SITE BACKGROUND

Environmental Remediation activities at James F. Bell #1E (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, LLC's (EPCGP's) program methods. Currently, the Site is operated by Hilcorp Energy (Hilcorp) and is active.

The Site is located on Federal land. An initial site assessment was completed in March 1994. Monitoring wells were installed in 1995 (MW-1 through MW-4 and soil borings), 1997 (temporary monitoring wells PZ-01 through PZ-05), 1999 (soil borings), 2016 (MW-5 through MW-12, and SB-1), and 2017 (MW-13 through MW-18). A detailed Site history is presented as Appendix A.

The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2. Light non-aqueous phase liquid (LNAPL) is present at the Site, and recovery has been performed periodically since 1997 including mobile dual-phase extraction (MDPE) events to enhance LNAPL recovery in 2016, 2017, 2018, 2021, 2022, and 2023. A soil vapor extraction (SVE) test well SVE-1 was installed in June 2018. Quarterly LNAPL recovery began in the second quarter of 2020 and has continued through 2023. Groundwater sampling is conducted on a semi-annual basis.

GROUNDWATER MONITORING ACTIVITIES

Pursuant to the Remediation Plan, Stantec Consulting Services Inc. (Stantec) provided field work notifications via email to the NMOCD on May 12, 2023, and November 2, 2023, prior to initiating groundwater sampling activities at the Site. Copies of the 2023 NMOCD notifications are provided in Appendix B.

On May 18 and November 15, 2023, water levels were gauged at MW-1 through MW-18 and SVE-1. In May 2023, groundwater samples were collected from monitoring wells MW-5, MW-6, MW-7, and MW-12 through MW-18. In November 2023, groundwater samples were collected from monitoring wells MW-2 through MW-6, MW-9, and MW-12 through MW-18. Groundwater samples were not collected from monitoring wells MW-1, MW-8, MW-10, and MW-11 during either sampling event due to the presence of LNAPL.

Groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the screened interval.

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Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC (Eurofins) in Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to United States Environmental Protection Agency (EPA) Method 8260. One laboratory supplied trip blank and one blind field duplicate were also collected for every 15 primary samples during each groundwater sampling event.

The unused sample water was combined in a waste container and transported to Envirotech, Inc. (Envirotech), in Bloomfield, NM for disposal. Waste disposal documentation is provided in Appendix C.

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 2023 is provided in Appendix B. LNAPL was observed in MW-1, MW-8, MW-10, and MW-11 during the March, May, August, and November 2023 events, and additionally LNAPL was observed in MW-7 during the March and November 2023 events.

Where observed, LNAPL was recovered by hand-bailing during site visits in March, May, August, and November 2023. As summarized below, LNAPL was recovered from MW-1, MW-8, MW-10, and MW-11 by MPDE during the August 2023 site visit. During the groundwater sampling site visits in May and November, the recovered LNAPL was containerized with wastewater generated during the monitoring well sampling activities and transported to Envirotech for disposal. Recovered LNAPL from the March and August site visits was transported for disposal at Envirotech (Appendix C).

MDPE events were completed on August 23 through 25, 2023, by AcuVac Remediation, LLC (AcuVac). The NMOCD was notified on August 16, 2023, of the planned schedule for MDPE activities. A copy of the 2023 NMOCD notification for these events is provided in Appendix B. The purpose of the MDPE events was to enhance LNAPL recovery from monitoring wells MW-1, MW-8, and MW-11.

MDPE is a process combining SVE with groundwater depression to enhance the removal of liquid and vapor phase hydrocarbons. A submersible pump is used to simultaneously remove groundwater, inducing a hydraulic gradient toward the extraction well, and creating groundwater depression to expose the hydrocarbon smear zone to SVE. Recovered liquids were transferred to a portable storage tank for off-site disposal. Recovered vapors were used as fuel in the MDPE internal combustion engine (ICE) to generate power for the vacuum pump, resulting in little to no emissions.

In August 2023, one 9-hour MDPE event and two 10-hour MDPE events were completed. The 9-hour event using MW-1 as an extraction well on August 23, 2023, the first 10-hour event using MW-8 as an extraction well on August 24, 2023, and the remaining 10-hour event using MW-11 as an extraction well on August 25, 2023. Based on field data collected by AcuVac, approximately 14.9 gallons of hydrocarbons were recovered from MW-1, approximately 10.7 gallons of hydrocarbons were recovered from MW-8, and approximately 44.6 gallons of hydrocarbons were recovered from MW-11 during the 2023 MDPE events. AcuVac's report summarizing the MDPE events at the Site is presented as Appendix D.

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Recovered fluids from the MDPE events were transported to Envirotech for disposal. Waste disposal documentation is included as Appendix C.

SUMMARY TABLES

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

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2023 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix E.

GROUND WATER RESULTS

- The groundwater flow direction in 2023 was generally to the north-northwest at the Site (see Figures 4 and 6).
- LNAPL was observed in monitoring wells MW-1, MW-8, MW-10, and MW-11 during both 2023 sampling events and MW-7 during the November 2023 sampling events; therefore, no groundwater samples were collected at these locations.
- At least one groundwater sample collected in 2023 from MW-3, MW-5, MW-6, 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 remaining groundwater samples collected from the Site wells in 2023.
- 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 2023.
- 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 2023.
- At least one groundwater sample collected in 2023 from MW-6 and MW-7 exceeded the NMWQCC standard (620 µg/L) for total xylenes in groundwater. Total xylenes were either below the NMWQCC standard or were not detected in the remaining samples collected from Site monitoring wells in 2023.
- A field duplicate was collected from monitoring well MW-14 during the May 2023 sampling event and MW-13 during the November 2023 event. No significant differences were noted between the primary and the duplicate groundwater samples.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2023 groundwater monitoring events.

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PLANNED FUTURE ACTIVITIES

Quarterly site visits will continue at the Site in 2024 to facilitate removal of measurable LNAPL where it is present. An additional MDPE event is planned for 2024, targeting monitoring wells MW-1, MW-8, and MW-11 to enhance LNAPL recovery in those areas. NMOCD will be notified when those events are planned.

Groundwater monitoring events will continue on a semi-annual basis. As Site closure is not being recommended at this time, groundwater samples will be collected from key monitoring wells not containing LNAPL on a semi-annual basis and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event. Sampling of all Site monitoring wells is conducted on a biennial basis, with the next site-wide sampling event to be conducted in the fourth calendar quarter of 2024.

The activities conducted in 2024, and their results, will be summarized in the 2024 Annual Report, to be submitted by April 1, 2025.

TABLES

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

James F. Bell #1E

Location	Date	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
MW-1	4/15/2016	27.09	27.51	0.42	0.50	0.28	Manual
MW-1	5/23/2016	27.12	27.49	0.37	0.13	<0.01	Manual
MW-1	6/16/2016	NM	NM	0.44	0.19	0.03	Manual
MW-1	7/16/2016	NM	NM	0.33	0.30	0.03	Manual
MW-1	8/17/2016	26.9	27.15	0.25	0.03	<0.01	Manual
MW-1	9/24/2016	NM	NM	0.11	0.07	<0.01	Manual
MW-1	10/11/2016	26.82	26.90	0.08	0.05	<0.01	Manual
MW-1	11/14/2016	26.98	27.00	0.02	<0.01	<0.01	Manual
MW-1	12/2/2016	26.79	26.84	0.05	14.9	21	Mobile DPE*
MW-1	12/13/2016	27.00	27.33	0.33	0.48	0.01	Manual
MW-1	6/10/2017	26.46	26.50	0.04	<0.01	<0.01	Manual
MW-1	7/11/2017	ND	23.61	0	82.3	207	Mobile DPE*
MW-1	5/7/2018	26.58	26.67	0.09	10.7	63	Mobile DPE*
MW-1	5/19/2018	26.54	26.61	0.07	<0.01	<0.01	Manual
MW-1	7/11/2018	26.72	26.86	0.14	22.1	76	Mobile DPE*
MW-1	10/29/2018	26.75	26.94	0.19	<0.01	<0.01	Manual
MW-1	5/20/2019	27.5	27.7	0.20	<0.01	0.02	Manual
MW-1	11/11/2019	27.25	27.97	0.72	0.87	0.66	Manual
MW-1	5/16/2020	27.47	28.70	1.23	1.41	0.61	Manual
MW-1	8/18/2020	27.56	28.80	1.24	1.42	0.49	Manual
MW-1	11/15/2020	27.60	28.80	1.20	1.61	0.45	Manual
MW-1	3/17/2021	NM	NM	1.18	1.06	0.08	Manual
MW-1	5/23/2021	27.94	29.39	1.45	2.23	0.38	Manual
MW-1	8/28/2021	28.03	29.39	1.36	14.5	8.5	Mobile DPE*
MW-1	11/13/2021	28.05	29.36	1.31	1.66	0.48	Manual
MW-1	3/22/2022	28.33	29.62	1.29	0.12	0.11	Manual
MW-1	5/18/2022	28.34	29.80	1.46	2.21	0.11	Manual
MW-1	7/29/2022	28.43	29.83	1.40	2.01	0.64	Manual
MW-1	8/29/2022	28.48	30.16	1.68	14.60	4.20	Mobile DPE*
MW-1	8/30/2022	30.63	32.01	1.38	1.32	0.03	Manual
MW-1	11/3/2022	28.35	30.58	2.23	1.12	3.40	Manual
MW-1	3/28/2023	28.48	30.49	2.01	3.48	0.71	Manual
MW-1	5/18/2023	28.49	30.88	2.39	3.88	0.11	Manual
MW-1	8/23/2023	28.45	30.59	2.14	14.9	1.8	Mobile DPE*
MW-1	8/25/2023	29.35	30.92	1.57	1.84	1.05	Manual
MW-1	11/15/2023	27.84	28.87	1.03	1.58	0.30	Manual
				TOTAL:	203.53	391.426	
MW-7	10/29/2018	25.32	25.40	0.08	<0.01	<0.01	Manual
MW-7	5/20/2019	23.93	24.50	0.57	<0.01	<0.01	Manual
MW-7	5/16/2020	24.06	24.88	0.82	0.23	0.32	Manual
MW-7	8/18/2020	24.42	24.51	0.09	0.02	0.22	Manual
MW-7	11/15/2020	24.34	24.46	0.12	<0.01	0.07	Manual
MW-7	3/17/2021	NM	NM	NM	<0.01	0.24	Manual
MW-7	5/23/2021	24.75	24.79	0.04	<0.01	0.03	Manual
MW-7	8/28/2021	25.10	25.12	0.02	<0.01	0.03	Manual
MW-7	3/22/2022	25.14	25.16	0.02	<0.01	0.06	Manual
MW-7	5/18/2022	25.12	25.14	0.02	<0.01	0.05	Manual
MW-7	7/29/2022	25.20	25.22	0.02	<0.01	0.03	Manual
MW-7	11/3/2022	25.12	25.13	0.01	<0.01	0.11	Manual
MW-7	3/28/2023	25.25	25.27	0.02	<0.01	0.06	Manual
MW-7	11/15/2023	24.39	24.58	0.19	0.04	0.34	Manual
				TOTAL:	0.29	1.56	
MW-8	10/11/2016	22.51	22.76	0.25	0.05	<0.01	Manual
MW-8	11/14/2016	22.48	22.60	0.12	<0.01	<0.01	Manual
MW-8	12/2/2016	22.48	22.89	0.41	0	0	No Recovery**
MW-8	12/3/2016	22.44	22.89	0.45	8.1	45	Mobile DPE*
MW-8	6/10/2017	22.05	22.08	0.03	<0.01	<0.01	Manual
MW-8	7/11/2017	21.96	21.99	0.03	40.1	313	Mobile DPE*
MW-8	5/8/2018	22.68	22.77	0.09	9.9	110	Mobile DPE*
MW-8	5/19/2018	22.45	22.48	0.03	<0.01	<0.01	Manual
MW-8	7/11/2018	22.95	22.96	0.01	14.4	129	Mobile DPE*
MW-8	10/29/2018	22.69	22.71	0.02	<0.01	<0.01	Manual
MW-8	5/20/2019	23.15	24.04	0.89	0.21	0.16	Manual
MW-8	11/11/2019	23.02	23.62	0.60	0.16	0.11	Manual
MW-8	5/16/2020	23.30	24.29	0.99	0.37	0.21	Manual
MW-8	8/18/2020	23.38	24.35	0.97	0.29	0.37	Manual
MW-8	11/15/2020	23.46	24.40	0.94	0.36	0.15	Manual
MW-8	3/17/2021	NM	NM	NM	0.79	0.16	Manual

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

James F. Bell #1E

Location	Date	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
MW-8	5/23/2021	24.03	25.23	1.20	0.27	0.15	Manual
MW-8	8/28/2021	24.51	26.64	2.13	19.23	12.60	Mobile DPE*
MW-8	11/13/2021	23.85	25.99	2.14	0.64	0.94	Manual
MW-8	3/22/2022	24.05	26.90	2.85	0.99	0.19	Manual
MW-8	5/18/2022	24.07	28.50	4.43	1.66	0.14	Manual
MW-8	7/29/2022	24.15	28.85	4.70	1.54	0.23	Manual
MW-8	8/30/2022	24.28	25.96	1.68	12.91	3.50	Mobile DPE*
MW-8	8/30/2022	38.75	39.10	0.35	0.20	0.03	Manual
MW-8	11/3/2022	24.07	26.12	2.05	0.59	0.57	Manual
MW-8	3/28/2023	24.79	25.61	0.82	0.17	0.06	Manual
MW-8	5/18/2023	24.78	25.09	0.31	0.05	0.25	Manual
MW-8	8/23/2023	23.81	24.03	0.22	0.02	0.27	Manual
MW-8	8/24/2023	25.12	25.24	0.12	10.70	11.0	Mobile DPE*
MW-8	11/15/2023	23.51	23.79	0.28	0.05	0.12	Manual
				TOTAL:	123.75	628.21	
MW-10	10/11/2016	23.90	23.92	0.02	<0.01	<0.01	Manual
MW-10	5/20/2019	24.35	24.42	0.07	<0.01	<0.01	Manual
MW-10	5/16/2020	24.71	24.82	0.11	0.01	0.08	Manual
MW-10	8/18/2020	24.82	24.87	0.05	<0.01	0.11	Manual
MW-10	11/15/2020	24.88	24.92	0.04	<0.01	0.26	Manual
MW-10	8/28/2021	25.45	25.47	0.02	<0.01	0.01	Manual
MW-10	11/13/2021	25.22	25.23	0.01	<0.01	0.20	Manual
MW-10	3/22/2022	25.43	25.50	0.07	<0.01	0.11	Manual
MW-10	5/18/2022	25.41	25.45	0.04	<0.01	0.08	Manual
MW-10	7/29/2022	25.49	25.57	0.08	<0.01	0.13	Manual
MW-10	11/3/2022	25.38	25.48	0.10	0.02	0.21	Manual
MW-10	3/28/2023	25.55	25.78	0.23	0.03	0.20	Manual
MW-10	5/18/2023	25.60	25.77	0.17	0.03	0.18	Manual
MW-10	8/23/2023	23.81	24.03	0.22	0.02	0.27	Manual
MW-10	11/15/2023	25.07	25.15	0.08	0.02	0.23	Manual
				TOTAL:	0.13	2.07	
MW-11	11/13/2021	28.38	29.00	0.62	0.26	0.74	Manual
MW-11	3/22/2022	28.48	29.77	1.29	0.51	0.20	Manual
MW-11	5/18/2022	28.48	29.74	1.26	0.53	0.15	Manual
MW-11	7/29/2022	28.58	29.79	1.21	0.53	0.38	Manual
MW-11	11/3/2022	28.66	29.56	0.90	0.34	0.41	Manual
MW-11	3/28/2023	28.72	29.84	1.12	0.43	0.10	Manual
MW-11	5/18/2023	28.77	29.94	1.17	0.47	0.18	Manual
MW-11	8/23/2023	28.66	29.66	1.00	0.38	0.30	Manual
MW-11	8/25/2023	25.12	25.24	0.12	44.6	78.0	Mobile DPE*
MW-11	11/15/2023	28.54	29.27	0.73	0.34	0.19	Manual
				TOTAL:	48.39	80.65	

Notes:
gal = Gallons.
NM = Not Measured. Measured thickness was obtained by measuring the thickness with a bailer.
ND = Not Detected.
* = Mobile Dual Phase Extraction (DPE) includes calculated recovered hydrocarbon vapors.
** = Well monitored during MW-1 mobile DPE event.
DPE = Dual phase extraction
LNAPL recovery data for 2015 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/17/95	11200	26400	1540	16500
MW-1	12/11/95	10800	15400	1870	18400
MW-1	12/04/96	10300	33200	1400	15200
MW-1	03/05/97	9850	33400	1370	15200
MW-1	09/29/00	NS	NS	NS	NS
MW-1	02/26/01	NS	NS	NS	NS
MW-1	03/14/01	NS	NS	NS	NS
MW-1	04/06/01	NS	NS	NS	NS
MW-1	06/22/01	NS	NS	NS	NS
MW-1	07/11/01	NS	NS	NS	NS
MW-1	07/26/01	NS	NS	NS	NS
MW-1	08/16/01	NS	NS	NS	NS
MW-1	09/06/01	NS	NS	NS	NS
MW-1	09/17/01	NS	NS	NS	NS
MW-1	12/13/01	NS	NS	NS	NS
MW-1	01/08/02	NS	NS	NS	NS
MW-1	02/28/02	NS	NS	NS	NS
MW-1	03/28/02	NS	NS	NS	NS
MW-1	09/13/02	NS	NS	NS	NS
MW-1	09/19/02	NS	NS	NS	NS
MW-1	12/04/02	NS	NS	NS	NS
MW-1	04/18/03	NS	NS	NS	NS
MW-1	06/19/03	NS	NS	NS	NS
MW-1	09/22/03	NS	NS	NS	NS
MW-1	12/15/03	NS	NS	NS	NS
MW-1	02/27/04	NS	NS	NS	NS
MW-1	03/16/04	NS	NS	NS	NS
MW-1	06/09/04	NS	NS	NS	NS
MW-1	07/26/04	NS	NS	NS	NS
MW-1	09/10/04	NS	NS	NS	NS
MW-1	12/14/04	NS	NS	NS	NS
MW-1	12/18/04	NS	NS	NS	NS
MW-1	03/17/05	NS	NS	NS	NS
MW-1	04/15/05	NS	NS	NS	NS
MW-1	05/17/05	NS	NS	NS	NS
MW-1	06/23/05	NS	NS	NS	NS
MW-1	09/12/05	NS	NS	NS	NS
MW-1	09/13/05	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/28/05	NS	NS	NS	NS
MW-1	11/18/05	NS	NS	NS	NS
MW-1	12/22/05	NS	NS	NS	NS
MW-1	01/18/06	NS	NS	NS	NS
MW-1	02/21/06	NS	NS	NS	NS
MW-1	03/25/06	NS	NS	NS	NS
MW-1	04/28/06	NS	NS	NS	NS
MW-1	05/23/06	NS	NS	NS	NS
MW-1	06/14/06	NS	NS	NS	NS
MW-1	07/21/06	NS	NS	NS	NS
MW-1	08/24/06	NS	NS	NS	NS
MW-1	09/25/06	NS	NS	NS	NS
MW-1	12/27/06	NS	NS	NS	NS
MW-1	03/26/07	NS	NS	NS	NS
MW-1	06/11/07	<1	<1	1360	<2
MW-1	09/18/07	NS	NS	NS	NS
MW-1	03/04/08	NS	NS	NS	NS
MW-1	06/12/08	10000	29700	1550	16800
MW-1	09/08/08	NS	NS	NS	NS
MW-1	12/03/08	NS	NS	NS	NS
MW-1	03/02/09	NS	NS	NS	NS
MW-1	06/03/09	7120	25200	1270	13800
MW-1	08/27/09	NS	NS	NS	NS
MW-1	11/02/09	NS	NS	NS	NS
MW-1	02/11/10	NS	NS	NS	NS
MW-1	05/26/10	8100	26100	1300	14300
MW-1	09/30/10	NS	NS	NS	NS
MW-1	11/01/10	NS	NS	NS	NS
MW-1	02/02/11	NS	NS	NS	NS
MW-1	05/10/11	5630	22600	1630	17600
MW-1	09/26/11	NS	NS	NS	NS
MW-1	11/01/11	NS	NS	NS	NS
MW-1	02/16/12	NS	NS	NS	NS
MW-1	05/08/12	7490	25400	1390	15000
MW-1	06/07/13	8200	31000	1100	15000
MW-1	11/12/17	4400	14000	880	16000
MW-1	05/19/18	NS	NS	NS	NS
MW-1	07/11/18	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/29/18	NS	NS	NS	NS
MW-1	05/20/19	NS	NS	NS	NS
MW-1	11/11/19	NS	NS	NS	NS
MW-1	05/16/20	NS	NS	NS	NS
MW-1	11/15/20	NS	NS	NS	NS
MW-1	05/23/21	NS	NS	NS	NS
MW-1	11/13/21	NS	NS	NS	NS
MW-1	05/18/22	NS	NS	NS	NS
MW-1	11/03/22	NS	NS	NS	NS
MW-1	05/18/23	NS	NS	NS	NS
MW-1	11/15/23	NS	NS	NS	NS
MW-2	12/11/95	94.7	1.4	11.3	31.1
MW-2	12/04/96	2.52	<1	<1	<3
MW-2	03/05/97	1.49	<1	<1	<3
MW-2	10/11/00	200	<0.5	81	28
MW-2	04/06/01	NS	NS	NS	NS
MW-2	06/05/01	NS	NS	NS	NS
MW-2	06/25/01	160	<0.5	77	22
MW-2	12/21/01	NS	NS	NS	NS
MW-2	05/15/02	NS	NS	NS	NS
MW-2	06/05/02	53	<0.5	50	9.7
MW-2	09/06/02	NS	NS	NS	NS
MW-2	09/13/02	NS	NS	NS	NS
MW-2	12/18/02	NS	NS	NS	NS
MW-2	06/19/03	6.5	<1	17.8	1.7
MW-2	09/22/03	NS	NS	NS	NS
MW-2	12/15/03	NS	NS	NS	NS
MW-2	03/16/04	NS	NS	NS	NS
MW-2	06/09/04	<0.5	<0.5	<0.5	<1
MW-2	09/10/04	NS	NS	NS	NS
MW-2	12/14/04	NS	NS	NS	NS
MW-2	03/17/05	NS	NS	NS	NS
MW-2	06/23/05	<1	<1	<1	<2
MW-2	09/13/05	NS	NS	NS	NS
MW-2	10/28/05	NS	NS	NS	NS
MW-2	12/22/05	NS	NS	NS	NS
MW-2	03/25/06	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	06/14/06	<1	<1	<1	<2
MW-2	09/25/06	NS	NS	NS	NS
MW-2	12/27/06	NS	NS	NS	NS
MW-2	03/26/07	NS	NS	NS	NS
MW-2	06/11/07	<1	<1	<1	<2
MW-2	09/18/07	NS	NS	NS	NS
MW-2	03/04/08	NS	NS	NS	NS
MW-2	06/12/08	<1	<1	<1	<2
MW-2	09/08/08	NS	NS	NS	NS
MW-2	12/03/08	NS	NS	NS	NS
MW-2	03/02/09	NS	NS	NS	NS
MW-2	06/03/09	0.3 J	2.1	<1	0.84 J
MW-2	08/27/09	NS	NS	NS	NS
MW-2	11/02/09	NS	NS	NS	NS
MW-2	02/11/10	NS	NS	NS	NS
MW-2	05/26/10	NS	NS	NS	NS
MW-2	09/30/10	NS	NS	NS	NS
MW-2	11/01/10	NS	NS	NS	NS
MW-2	02/02/11	NS	NS	NS	NS
MW-2	05/10/11	NS	NS	NS	NS
MW-2	09/26/11	NS	NS	NS	NS
MW-2	11/01/11	NS	NS	NS	NS
MW-2	02/16/12	NS	NS	NS	NS
MW-2	05/08/12	NS	NS	NS	NS
MW-2	06/07/13	<0.14	<0.30	<0.20	<0.23
MW-2	09/12/13	<0.14	<0.30	<0.20	<0.23
MW-2	12/13/13	<0.20	<0.38	<0.20	<0.65
MW-2	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-2	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-2	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-2	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-2	04/15/16	<1.0	<5.0	<1.0	<5.0
MW-2	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-2	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-2	11/10/17	<1.0	<1.0	<1.0	<10
MW-2	05/19/18	<1.0	<1.0	<1.0	<10
MW-2	10/29/18	NS	NS	NS	NS
MW-2	05/20/19	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	11/11/19	<1.0	<1.0	<1.0	<10
MW-2	05/16/20	NS	NS	NS	NS
MW-2	11/15/20	NS	NS	NS	NS
MW-2	05/23/21	NS	NS	NS	NS
MW-2	11/13/21	<1.0	<1.0	<1.0	<10
MW-2	05/18/22	NS	NS	NS	NS
MW-2	11/03/22	NS	NS	NS	NS
MW-2	05/18/23	NS	NS	NS	NS
MW-2	11/15/23	<1.0	<1.0	<1.0	<10
MW-3	12/11/95	1790	10400	1010	8070
MW-3	12/04/96	4210	19200	1140	11700
MW-3	03/05/97	4000	19200	1280	13600
MW-3	03/12/01	NS	NS	NS	NS
MW-3	04/06/01	NS	NS	NS	NS
MW-3	06/05/01	NS	NS	NS	NS
MW-3	06/14/01	NS	NS	NS	NS
MW-3	06/28/01	NS	NS	NS	NS
MW-3	07/06/01	NS	NS	NS	NS
MW-3	07/11/01	NS	NS	NS	NS
MW-3	07/20/01	NS	NS	NS	NS
MW-3	08/02/01	NS	NS	NS	NS
MW-3	08/08/01	NS	NS	NS	NS
MW-3	08/16/01	NS	NS	NS	NS
MW-3	08/20/01	NS	NS	NS	NS
MW-3	08/31/01	NS	NS	NS	NS
MW-3	09/06/01	NS	NS	NS	NS
MW-3	09/17/01	NS	NS	NS	NS
MW-3	09/25/01	NS	NS	NS	NS
MW-3	10/03/01	NS	NS	NS	NS
MW-3	10/11/01	NS	NS	NS	NS
MW-3	12/04/01	NS	NS	NS	NS
MW-3	12/13/01	NS	NS	NS	NS
MW-3	12/21/01	NS	NS	NS	NS
MW-3	12/28/01	NS	NS	NS	NS
MW-3	01/04/02	NS	NS	NS	NS
MW-3	01/08/02	NS	NS	NS	NS
MW-3	01/17/02	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	01/23/02	NS	NS	NS	NS
MW-3	01/31/02	NS	NS	NS	NS
MW-3	02/07/02	NS	NS	NS	NS
MW-3	02/14/02	NS	NS	NS	NS
MW-3	02/20/02	NS	NS	NS	NS
MW-3	02/28/02	NS	NS	NS	NS
MW-3	03/06/02	NS	NS	NS	NS
MW-3	03/11/02	NS	NS	NS	NS
MW-3	03/21/02	NS	NS	NS	NS
MW-3	03/28/02	NS	NS	NS	NS
MW-3	04/04/02	NS	NS	NS	NS
MW-3	04/12/02	NS	NS	NS	NS
MW-3	04/19/02	NS	NS	NS	NS
MW-3	04/25/02	NS	NS	NS	NS
MW-3	05/03/02	NS	NS	NS	NS
MW-3	05/15/02	NS	NS	NS	NS
MW-3	05/24/02	NS	NS	NS	NS
MW-3	05/31/02	NS	NS	NS	NS
MW-3	06/07/02	NS	NS	NS	NS
MW-3	06/14/02	NS	NS	NS	NS
MW-3	06/21/02	NS	NS	NS	NS
MW-3	06/27/02	NS	NS	NS	NS
MW-3	07/02/02	NS	NS	NS	NS
MW-3	07/11/02	NS	NS	NS	NS
MW-3	07/22/02	NS	NS	NS	NS
MW-3	07/25/02	NS	NS	NS	NS
MW-3	07/31/02	NS	NS	NS	NS
MW-3	08/08/02	NS	NS	NS	NS
MW-3	08/16/02	NS	NS	NS	NS
MW-3	08/22/02	NS	NS	NS	NS
MW-3	08/28/02	NS	NS	NS	NS
MW-3	09/06/02	NS	NS	NS	NS
MW-3	09/13/02	NS	NS	NS	NS
MW-3	09/19/02	NS	NS	NS	NS
MW-3	09/25/02	NS	NS	NS	NS
MW-3	10/04/02	NS	NS	NS	NS
MW-3	10/10/02	NS	NS	NS	NS
MW-3	10/15/02	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	10/23/02	NS	NS	NS	NS
MW-3	10/30/02	NS	NS	NS	NS
MW-3	11/08/02	NS	NS	NS	NS
MW-3	11/21/02	NS	NS	NS	NS
MW-3	12/04/02	NS	NS	NS	NS
MW-3	12/10/02	NS	NS	NS	NS
MW-3	12/18/02	NS	NS	NS	NS
MW-3	12/27/02	NS	NS	NS	NS
MW-3	01/07/03	NS	NS	NS	NS
MW-3	01/22/03	NS	NS	NS	NS
MW-3	01/29/03	NS	NS	NS	NS
MW-3	02/05/03	NS	NS	NS	NS
MW-3	02/12/03	NS	NS	NS	NS
MW-3	02/20/03	NS	NS	NS	NS
MW-3	02/28/03	NS	NS	NS	NS
MW-3	03/02/03	NS	NS	NS	NS
MW-3	03/06/03	NS	NS	NS	NS
MW-3	03/19/03	NS	NS	NS	NS
MW-3	03/26/03	NS	NS	NS	NS
MW-3	04/02/03	NS	NS	NS	NS
MW-3	04/10/03	NS	NS	NS	NS
MW-3	04/18/03	NS	NS	NS	NS
MW-3	04/28/03	NS	NS	NS	NS
MW-3	05/07/03	NS	NS	NS	NS
MW-3	05/13/03	NS	NS	NS	NS
MW-3	05/21/03	NS	NS	NS	NS
MW-3	05/27/03	NS	NS	NS	NS
MW-3	06/03/03	NS	NS	NS	NS
MW-3	06/09/03	NS	NS	NS	NS
MW-3	06/16/03	NS	NS	NS	NS
MW-3	06/19/03	NS	NS	NS	NS
MW-3	06/23/03	NS	NS	NS	NS
MW-3	07/01/03	NS	NS	NS	NS
MW-3	07/10/03	NS	NS	NS	NS
MW-3	07/15/03	NS	NS	NS	NS
MW-3	07/21/03	NS	NS	NS	NS
MW-3	07/29/03	NS	NS	NS	NS
MW-3	08/04/03	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	08/11/03	NS	NS	NS	NS
MW-3	08/18/03	NS	NS	NS	NS
MW-3	08/25/03	NS	NS	NS	NS
MW-3	09/02/03	NS	NS	NS	NS
MW-3	09/08/03	NS	NS	NS	NS
MW-3	09/15/03	NS	NS	NS	NS
MW-3	09/22/03	NS	NS	NS	NS
MW-3	09/29/03	NS	NS	NS	NS
MW-3	10/06/03	NS	NS	NS	NS
MW-3	10/13/03	NS	NS	NS	NS
MW-3	10/20/03	NS	NS	NS	NS
MW-3	10/27/03	NS	NS	NS	NS
MW-3	11/03/03	NS	NS	NS	NS
MW-3	11/10/03	NS	NS	NS	NS
MW-3	11/17/03	NS	NS	NS	NS
MW-3	11/26/03	NS	NS	NS	NS
MW-3	12/04/03	NS	NS	NS	NS
MW-3	12/09/03	NS	NS	NS	NS
MW-3	12/15/03	NS	NS	NS	NS
MW-3	01/02/04	NS	NS	NS	NS
MW-3	01/11/04	NS	NS	NS	NS
MW-3	01/16/04	NS	NS	NS	NS
MW-3	01/23/04	NS	NS	NS	NS
MW-3	01/30/04	NS	NS	NS	NS
MW-3	02/06/04	NS	NS	NS	NS
MW-3	02/12/04	NS	NS	NS	NS
MW-3	02/18/04	NS	NS	NS	NS
MW-3	02/27/04	NS	NS	NS	NS
MW-3	03/16/04	NS	NS	NS	NS
MW-3	04/13/04	NS	NS	NS	NS
MW-3	05/10/04	NS	NS	NS	NS
MW-3	06/02/04	NS	NS	NS	NS
MW-3	06/09/04	1590	4520	966	1830
MW-3	07/26/04	NS	NS	NS	NS
MW-3	08/16/04	NS	NS	NS	NS
MW-3	09/09/04	NS	NS	NS	NS
MW-3	09/10/04	NS	NS	NS	NS
MW-3	10/11/04	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	11/17/04	NS	NS	NS	NS
MW-3	12/13/04	NS	NS	NS	NS
MW-3	12/14/04	NS	NS	NS	NS
MW-3	01/17/05	NS	NS	NS	NS
MW-3	02/15/05	NS	NS	NS	NS
MW-3	03/16/05	NS	NS	NS	NS
MW-3	03/17/05	NS	NS	NS	NS
MW-3	04/15/05	NS	NS	NS	NS
MW-3	05/17/05	NS	NS	NS	NS
MW-3	06/23/05	2260	1090	1920	24800
MW-3	07/19/05	NS	NS	NS	NS
MW-3	08/22/05	NS	NS	NS	NS
MW-3	09/13/05	NS	NS	NS	NS
MW-3	10/28/05	NS	NS	NS	NS
MW-3	11/18/05	NS	NS	NS	NS
MW-3	12/22/05	NS	NS	NS	NS
MW-3	01/18/06	NS	NS	NS	NS
MW-3	02/21/06	NS	NS	NS	NS
MW-3	03/25/06	NS	NS	NS	NS
MW-3	04/28/06	NS	NS	NS	NS
MW-3	05/23/06	NS	NS	NS	NS
MW-3	06/14/06	795	<50	818	10900
MW-3	09/25/06	NS	NS	NS	NS
MW-3	12/27/06	NS	NS	NS	NS
MW-3	03/26/07	NS	NS	NS	NS
MW-3	06/11/07	868	<10	1490	13900
MW-3	09/18/07	NS	NS	NS	NS
MW-3	03/04/08	NS	NS	NS	NS
MW-3	06/12/08	876	<50	1030	10700
MW-3	09/08/08	NS	NS	NS	NS
MW-3	12/03/08	NS	NS	NS	NS
MW-3	03/02/09	NS	NS	NS	NS
MW-3	06/03/09	549	<25	750	7320
MW-3	08/27/09	NS	NS	NS	NS
MW-3	11/02/09	NS	NS	NS	NS
MW-3	02/11/10	NS	NS	NS	NS
MW-3	05/26/10	517	<50	971	9680
MW-3	09/30/10	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	11/01/10	NS	NS	NS	NS
MW-3	02/02/11	NS	NS	NS	NS
MW-3	05/10/11	402	<10	922	11100
MW-3	09/26/11	NS	NS	NS	NS
MW-3	11/01/11	NS	NS	NS	NS
MW-3	02/16/12	NS	NS	NS	NS
MW-3	05/08/12	482	10.2 J	1200	9060
MW-3	06/07/13	99	<6.0	250	3900
MW-3	09/12/13	90	<6.0	380	3400
MW-3	12/13/13	89	<6.0	460	4500
MW-3	04/05/14	79	<3.8	400	2900
MW-3	10/21/14	93	<3.5	650	1400
MW-3	05/27/15	56	<50	400	530
MW-3	11/18/15	290	5.5	570	490
MW-3	04/15/16	36	<25	290	89
MW-3	10/11/16	82	<50	910	1400
MW-3	06/10/17	30	<10	400	91
MW-3	11/10/17	60	<5.0	780	<50
MW-3	05/19/18	34	<2.0	360	<20
MW-3	10/29/18	NS	NS	NS	NS
MW-3	05/20/19	NS	NS	NS	NS
MW-3	11/11/19	45	<5.0	690	<50
MW-3	05/16/20	NS	NS	NS	NS
MW-3	11/15/20	NS	NS	NS	NS
MW-3	05/23/21	NS	NS	NS	NS
MW-3	11/13/21	22	<2.0	370	<20
MW-3	05/18/22	NS	NS	NS	NS
MW-3	11/03/22	NS	NS	NS	NS
MW-3	05/18/23	NS	NS	NS	NS
MW-3	11/15/23	15	7.3	210	370
MW-4	12/11/95	<2.5	<2.5	<2.5	<7.5
MW-4	12/04/96	<1	<1	<1	<3
MW-4	03/05/97	<1	<1	<1	<3
MW-4	10/11/00	<0.5	<0.5	<0.5	<0.5
MW-4	04/06/01	NS	NS	NS	NS
MW-4	06/05/01	NS	NS	NS	NS
MW-4	06/25/01	<0.5	<0.5	<0.5	<0.5

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	12/21/01	NS	NS	NS	NS
MW-4	05/15/02	NS	NS	NS	NS
MW-4	06/05/02	<0.5	<0.5	<0.5	<1
MW-4	09/06/02	NS	NS	NS	NS
MW-4	12/18/02	NS	NS	NS	NS
MW-4	06/19/03	NS	NS	NS	NS
MW-4	09/22/03	NS	NS	NS	NS
MW-4	12/15/03	NS	NS	NS	NS
MW-4	03/16/04	NS	NS	NS	NS
MW-4	06/09/04	NS	NS	NS	NS
MW-4	09/10/04	NS	NS	NS	NS
MW-4	12/14/04	NS	NS	NS	NS
MW-4	03/17/05	NS	NS	NS	NS
MW-4	06/23/05	NS	NS	NS	NS
MW-4	09/13/05	NS	NS	NS	NS
MW-4	12/22/05	NS	NS	NS	NS
MW-4	03/25/06	NS	NS	NS	NS
MW-4	06/14/06	NS	NS	NS	NS
MW-4	09/25/06	NS	NS	NS	NS
MW-4	12/27/06	NS	NS	NS	NS
MW-4	03/26/07	NS	NS	NS	NS
MW-4	06/11/07	NS	NS	NS	NS
MW-4	09/18/07	NS	NS	NS	NS
MW-4	03/04/08	NS	NS	NS	NS
MW-4	06/12/08	NS	NS	NS	NS
MW-4	09/08/08	NS	NS	NS	NS
MW-4	12/03/08	NS	NS	NS	NS
MW-4	03/02/09	NS	NS	NS	NS
MW-4	06/03/09	NS	NS	NS	NS
MW-4	08/27/09	NS	NS	NS	NS
MW-4	11/02/09	NS	NS	NS	NS
MW-4	02/11/10	NS	NS	NS	NS
MW-4	05/26/10	NS	NS	NS	NS
MW-4	09/30/10	NS	NS	NS	NS
MW-4	11/01/10	NS	NS	NS	NS
MW-4	02/02/11	NS	NS	NS	NS
MW-4	05/10/11	NS	NS	NS	NS
MW-4	09/26/11	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	11/01/11	NS	NS	NS	NS
MW-4	02/16/12	NS	NS	NS	NS
MW-4	05/08/12	NS	NS	NS	NS
MW-4	06/07/13	<0.14	<0.30	<0.20	0.24 J
MW-4	09/12/13	<0.14	<0.30	<0.20	<0.23
MW-4	12/13/13	<0.14	<0.30	<0.20	0.36 J
MW-4	04/05/14	<0.20	<0.38	<0.20	1.3 J
MW-4	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-4	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-4	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-4	04/15/16	<1.0	<5.0	<1.0	<5.0
MW-4	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-4	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-4	11/12/17	<1.0	<1.0	<1.0	<10
MW-4	05/19/18	<1.0	<1.0	<1.0	<10
MW-4	10/29/18	NS	NS	NS	NS
MW-4	05/20/19	NS	NS	NS	NS
MW-4	11/11/19	<1.0	<1.0	<1.0	<10
MW-4	05/16/20	NS	NS	NS	NS
MW-4	11/15/20	NS	NS	NS	NS
MW-4	05/23/21	NS	NS	NS	NS
MW-4	11/13/21	<1.0	<1.0	<1.0	<10
MW-4	05/18/22	NS	NS	NS	NS
MW-4	11/03/22	NS	NS	NS	NS
MW-4	05/18/23	NS	NS	NS	NS
MW-4	11/15/23	<1.0	<1.0	<1.0	<10
MW-5	10/11/16	1400	3300	120	2600
MW-5	06/10/17	220	260	22	2300
MW-5	11/10/17	1100	670	60	4400
MW-5	05/19/18	330	99	<10	2200
MW-5	07/11/18	NS	NS	NS	NS
MW-5	10/29/18	100	9.6	9.0	890
DUP-01(MW-5)*	10/29/18	100	11	8.7	750
MW-5	05/20/19	50	<1.0	3.6	130
MW-5	11/11/19	36	6.3	2.5	55
MW-5	05/16/20	39	7.2	1.7	53
MW-5	11/15/20	24	3.1	1.5	39

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-01(MW-5)*	11/15/20	33	1.6	1.8	62
MW-5	05/23/21	32	1.5	1.7	58
DUP-01(MW-5)*	05/23/21	33	1.6	1.8	62
MW-5	11/13/21	21	3.1	1.7	27
DUP-01(MW-5)*	11/13/21	19	3.6	1.1	22
MW-5	05/18/22	26	6.2	1.4	17
DUP-01(MW-5)*	05/18/22	23	3.6	1.1	13
MW-5	11/03/22	23	4.4	1.2	11
DUP-01(MW-5)*	11/03/22	23	4.7	1.2	11
MW-5	05/18/23	19	<1.0	<1.0	<10
MW-5	11/15/23	12	1.9	<1.0	<10
MW-6	10/11/16	1200	4100	750	6200
MW-6	06/10/17	1100	4500	1200	10000
MW-6	11/10/17	980	2900	930	8300
MW-6	05/19/18	1100	1700	840	7000
MW-6	07/11/18	NS	NS	NS	NS
MW-6	10/29/18	800	1000	590	6200
MW-6	05/20/19	180	6.5	68	1900
MW-6	11/11/19	72	<10	<10	1200
MW-6	05/16/20	190	<10	<10	1800
MW-6	11/15/20	200	<1.0	18	1200
MW-6	05/23/21	160	<5.0	9.5	1100
MW-6	11/13/21	81	<5.0	22	590
MW-6	05/18/22	150	<5.0	15	800
MW-6	11/03/22	160	<5.0	27	930
MW-6	05/18/23	180	<1.0	24	890
MW-6	11/15/23	160	<5.0	46	710
MW-7	10/11/16	1200	2000	1300	8000
MW-7	06/10/17	920	1300	1600	10000
MW-7	11/10/17	1300	770	1000	8200
MW-7	05/19/18	470	530	1100	7300
MW-7	07/11/18	NS	NS	NS	NS
MW-7	10/29/18	NS	NS	NS	NS
MW-7	05/20/19	NS	NS	NS	NS
MW-7	11/11/19	200	<50	1600	5400
MW-7	05/16/20	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-7	11/15/20	NS	NS	NS	NS
MW-7	05/23/21	NS	NS	NS	NS
MW-7	11/13/21	210	<50	290	2300
MW-7	05/18/22	NS	NS	NS	NS
MW-7	11/03/22	NS	NS	NS	NS
MW-7	05/18/23	210	<1.0	300	2300
MW-7	11/15/23	NS	NS	NS	NS
MW-8	10/11/16	NS	NS	NS	NS
MW-8	06/10/17	NS	NS	NS	NS
MW-8	07/11/17	NS	NS	NS	NS
MW-8	11/12/17	2100	7900	1200	14000
MW-8	03/25/18	NS	NS	NS	NS
MW-8	05/08/18	NS	NS	NS	NS
MW-8	05/19/18	NS	NS	NS	NS
MW-8	07/11/18	NS	NS	NS	NS
MW-8	10/29/18	NS	NS	NS	NS
MW-8	05/20/19	NS	NS	NS	NS
MW-8	11/11/19	NS	NS	NS	NS
MW-8	05/16/20	NS	NS	NS	NS
MW-8	11/15/20	NS	NS	NS	NS
MW-8	05/23/21	NS	NS	NS	NS
MW-8	11/13/21	NS	NS	NS	NS
MW-8	05/18/22	NS	NS	NS	NS
MW-8	11/03/22	NS	NS	NS	NS
MW-8	05/18/23	NS	NS	NS	NS
MW-8	11/15/23	NS	NS	NS	NS
MW-9	10/11/16	84	82	140	750
MW-9	06/10/17	150	<5.0	130	66
MW-9	11/10/17	130	1.4	85	11
MW-9	05/19/18	69	<1.0	150	<10
DUP-02(MW-9)*	05/19/18	67	<1.0	120	<10
MW-9	10/29/18	NS	NS	NS	NS
MW-9	05/20/19	NS	NS	NS	NS
MW-9	11/11/19	3.6	<1.0	3	<10
MW-9	05/16/20	NS	NS	NS	NS
MW-9	11/15/20	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	05/23/21	NS	NS	NS	NS
MW-9	08/28/21	NS	NS	NS	NS
MW-9	11/13/21	1.4	<1.0	<1.0	<10
MW-9	05/18/22	NS	NS	NS	NS
MW-9	11/03/22	NS	NS	NS	NS
MW-9	05/18/23	NS	NS	NS	NS
MW-9	11/15/23	<1.0	<1.0	<1.0	<10
MW-10	10/11/16	NS	NS	NS	NS
MW-10	06/10/17	1600	4900	1800	17000
MW-10	11/10/17	1200	3000	860	9900
MW-10	05/19/18	690	1600	700	8600
MW-10	10/29/18	610	38	600	8300
MW-10	05/20/19	NS	NS	NS	NS
MW-10	11/11/19	860	<100	590	11000
MW-10	05/16/20	NS	NS	NS	NS
MW-10	08/18/20	NS	NS	NS	NS
MW-10	11/15/20	NS	NS	NS	NS
MW-10	03/17/21	NS	NS	NS	NS
MW-10	05/23/21	590	<50	<50	6100
MW-10	08/28/21	NS	NS	NS	NS
MW-10	11/13/21	NS	NS	NS	NS
MW-10	03/22/22	NS	NS	NS	NS
MW-10	05/18/22	NS	NS	NS	NS
MW-10	07/29/22	NS	NS	NS	NS
MW-10	11/03/22	NS	NS	NS	NS
MW-10	03/28/23	NS	NS	NS	NS
MW-10	05/18/23	NS	NS	NS	NS
MW-10	08/23/23	NS	NS	NS	NS
MW-10	11/15/23	NS	NS	NS	NS
MW-11	10/11/16	3200	8200	950	10000
MW-11	06/10/17	4000	12000	1400	13000
MW-11	11/10/17	3100	2400	940	8900
MW-11	05/19/18	3200	6500	950	9300
MW-11	10/29/18	2800	30	870	8100
MW-11	05/20/19	3300	1900	740	7600
MW-11	11/11/19	3100	<50	590	5600

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-01(MW-11)*	11/11/19	3800	<50	670	6900
MW-11	05/16/20	3200	300	170	8000
MW-11	11/15/20	2400	<20	380	3500
MW-11	05/23/21	2300	50	360	6900
MW-11	08/28/21	NS	NS	NS	NS
MW-11	11/13/21	NS	NS	NS	NS
MW-11	03/22/22	NS	NS	NS	NS
MW-11	05/18/22	NS	NS	NS	NS
MW-11	07/29/22	NS	NS	NS	NS
MW-11	11/03/22	NS	NS	NS	NS
MW-11	03/28/23	NS	NS	NS	NS
MW-11	05/18/23	NS	NS	NS	NS
MW-11	08/23/23	NS	NS	NS	NS
MW-11	08/25/23	NS	NS	NS	NS
MW-11	11/15/23	NS	NS	NS	NS
MW-12	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-12	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-12	11/10/17	<1.0	<1.0	<1.0	<10
MW-12	05/19/18	<1.0	<1.0	<1.0	<10
MW-12	10/29/18	<1.0	<1.0	<1.0	<10
MW-12	05/20/19	<1.0	<1.0	<1.0	<10
MW-12	11/11/19	<1.0	<1.0	<1.0	<10
MW-12	05/16/20	<1.0	<1.0	<1.0	<10
MW-12	11/15/20	<1.0	<1.0	<1.0	<10
MW-12	05/23/21	<1.0	<1.0	<1.0	<10
MW-12	08/28/21	NS	NS	NS	NS
MW-12	11/13/21	<1.0	<1.0	<1.0	<10
MW-12	05/18/22	<1.0	<1.0	<1.0	<10
MW-12	11/03/22	<1.0	<1.0	<1.0	<10
MW-12	05/18/23	<1.0	<1.0	<1.0	<10
MW-12	11/15/23	<1.0	<1.0	<1.0	<10
MW-13	11/10/17	160	<2.0	110	430
MW-13	05/19/18	26	<1.0	37	<10
MW-13	10/29/18	<1.0	<1.0	<1.0	<10
MW-13	05/20/19	14	<1.0	46	<10
MW-13	11/11/19	<1.0	<1.0	2	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-13	05/16/20	6.5	<1.0	46	<10
DUP-01(MW-13)*	05/16/20	6.7	<1.0	51	<10
MW-13	11/15/20	16	<1.0	36	27
MW-13	05/23/21	<1.0	<1.0	14	<10
MW-13	08/28/21	NS	NS	NS	NS
MW-13	11/13/21	1.0	<1.0	8.1	<10
MW-13	05/18/22	1.0	<1.0	6.6	<10
MW-13	11/03/22	1.0	<1.0	3.9	<10
MW-13	05/18/23	<1.0	<1.0	1.7	<10
MW-13	11/15/23	<1.0	<1.0	7.6	<10
DUP-01(MW-13)*	11/15/23	<1.0	<1.0	6.7	<10
MW-14	11/10/17	<1.0	<1.0	<1.0	<10
MW-14	05/19/18	<1.0	<1.0	<1.0	<10
MW-14	10/29/18	<1.0	<1.0	<1.0	<10
MW-14	05/20/19	<1.0	<1.0	<1.0	<10
MW-14	11/11/19	<1.0	<1.0	14	<10
MW-14	05/16/20	750	830	<5.0	<50
MW-14	11/15/20	28	<1.0	<1.0	<10
MW-14	05/23/21	<1.0	<1.0	<1.0	<10
MW-14	08/28/21	NS	NS	NS	NS
MW-14	11/13/21	<1.0	<1.0	<1.0	<10
MW-14	05/18/22	<1.0	<1.0	<1.0	<10
MW-14	11/03/22	56	<1.0	<1.0	<10
MW-14	05/18/23	<1.0	<1.0	<1.0	<10
DUP-01(MW-14)*	05/18/23	<1.0	<1.0	<1.0	<10
MW-14	11/15/23	2.7	<1.0	<1.0	<10
MW-15	11/10/17	69	44	610	2300
MW-15	05/19/18	21	15	570	1500
DUP-01(MW-15)*	05/19/18	20	14	550	1400
MW-15	10/29/18	9.0	4.8	250	530
MW-15	05/20/19	2.3	<1.0	97	<10
DUP-01(MW-15)*	05/20/19	2.4	<1.0	97	<10
MW-15	11/11/19	25.0	29	320	820
MW-15	05/16/20	72.0	8.0	250	760
MW-15	11/15/20	11	<1.0	63	31
MW-15	05/23/21	1.9	<1.0	30	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-15	08/28/21	ND	ND	ND	ND
MW-15	11/13/21	2.8	<1.0	22	<10
MW-15	05/18/22	9.2	<1.0	31	28
MW-15	11/03/22	3.7	<1.0	7.3	<10
MW-15	05/18/23	3.8	<1.0	5.2	<10
MW-15	11/15/23	3.2	<1.0	15	<10
MW-16	11/10/17	<1.0	<1.0	3.1	<10
MW-16	05/19/18	<5.0	<5.0	620	<50
MW-16	07/11/18	NS	NS	NS	NS
MW-16	10/29/18	<2.0	<2.0	440	<20
MW-16	05/20/19	1.3	<1.0	45	<10
MW-16	11/11/19	1.4	<1.0	6.1	<10
DUP-02(MW-16)*	11/11/19	1.3	<1.0	5.9	<10
MW-16	05/16/20	27	1.0	6.7	59
MW-16	11/15/20	2.9	<1.0	<1.0	<10
MW-16	05/23/21	9.7	<1.0	<1.0	<10
MW-16	08/28/21	NS	NS	NS	NS
MW-16	11/13/21	<1.0	<1.0	<1.0	<10
MW-16	05/18/22	1.1	<1.0	<1.0	<10
MW-16	11/03/22	<1.0	<1.0	<1.0	<10
MW-16	05/18/23	3.6	<1.0	<1.0	<10
MW-16	11/15/23	<1.0	<1.0	<1.0	<10
MW-17	11/10/17	290	2.2	22	150
MW-17	05/19/18	59	<1.0	13	18
MW-17	10/29/18	4.8	<1.0	<1.0	<10
MW-17	05/20/19	<1.0	<1.0	<1.0	<10
MW-17	11/11/19	1.4	<1.0	<1.0	<10
MW-17	05/16/20	17	<1.0	<1.0	16
MW-17	11/15/20	<1.0	<1.0	<1.0	<10
MW-17	05/23/21	<1.0	<1.0	<1.0	<10
MW-17	08/28/21	NS	NS	NS	NS
MW-17	11/13/21	<1.0	<1.0	<1.0	<10
MW-17	05/18/22	<1.0	<1.0	<1.0	<10
MW-17	11/03/22	<1.0	<1.0	<1.0	<10
MW-17	05/18/23	<1.0	<1.0	<1.0	<10
MW-17	11/15/23	1.3	<1.0	2	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

James F. Bell #1E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-18	11/10/17	NS	NS	NS	NS
MW-18	05/19/18	<1.0	<1.0	<1.0	<10
MW-18	10/29/18	<1.0	<1.0	<1.0	<10
MW-18	05/20/19	<1.0	<1.0	<1.0	<10
MW-18	11/11/19	<1.0	<1.0	<1.0	<10
MW-18	05/16/20	<1.0	<1.0	<1.0	<10
MW-18	11/15/20	<1.0	<1.0	<1.0	<10
MW-18	05/23/21	<1.0	<1.0	<1.0	<10
MW-18	08/28/21	NS	NS	NS	NS
MW-18	11/13/21	<1.0	<1.0	<1.0	<10
MW-18	05/18/22	<1.0	<1.0	<1.0	<10
MW-18	11/03/22	<1.0	<1.0	<1.0	<10
MW-18	05/18/23	<1.0	<1.0	<1.0	<10
MW-18	11/15/23	<1.0	<1.0	<1.0	<10

Notes:
"NS" = Not sampled
"µg/L" = micrograms per liter
Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.
"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result in an approximate value.
"<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).
*Field Duplicate results presented immediately below primary sample result

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/17/95	5810.88	NR	26.67		5784.21
MW-1	12/11/95	5810.88	NR	26.23		5784.65
MW-1	12/04/96	5810.88	26.16	28.00	1.84	5784.33
MW-1	03/05/97	5810.88	26.47	28.47	2.00	5783.99
MW-1	09/29/00	5810.88	27.29	29.09	1.80	5783.21
MW-1	02/26/01	5810.88	27.61	29.06	1.45	5782.96
MW-1	03/14/01	5810.88	27.49	29.60	2.11	5782.94
MW-1	04/06/01	5810.88	27.67	29.08	1.41	5782.91
MW-1	06/22/01	5810.88	28.10	29.57	1.47	5782.47
MW-1	07/11/01	5810.88	27.95	28.95	1.00	5782.72
MW-1	07/26/01	5810.88	28.21	29.51	1.30	5782.39
MW-1	08/16/01	5810.88	28.40	28.49	0.09	5782.46
MW-1	09/06/01	5810.88	28.41	28.46	0.05	5782.45
MW-1	09/17/01	5810.88	28.19	28.46	0.27	5782.63
MW-1	12/13/01	5810.88	28.20	28.50	0.30	5782.61
MW-1	01/08/02	5810.88	28.25	28.54	0.29	5782.56
MW-1	02/28/02	5810.88	28.31	28.62	0.31	5782.50
MW-1	03/28/02	5810.88	28.51	28.64	0.13	5782.34
MW-1	09/13/02	5810.88	29.20	31.17	1.97	5781.26
MW-1	09/19/02	5810.88	28.45	30.82	2.37	5781.93
MW-1	12/04/02	5810.88	28.37	29.07	0.70	5782.36
MW-1	04/18/03	5810.88	28.44	29.29	0.85	5782.26
MW-1	06/19/03	5810.88	29.19	29.41	0.22	5781.64
MW-1	09/22/03	5810.88	28.31	28.64	0.33	5782.50
MW-1	12/15/03	5810.88	28.04	28.24	0.20	5782.79
MW-1	02/27/04	5810.88	28.19	28.21	0.02	5782.68
MW-1	03/16/04	5810.88	28.08	28.13	0.05	5782.78
MW-1	06/09/04	5810.88	28.03	28.27	0.24	5782.79
MW-1	07/26/04	5810.88	27.95	28.48	0.53	5782.81
MW-1	09/10/04	5810.88	27.82	27.89	0.07	5783.04
MW-1	12/14/04	5810.88	27.68	27.68	<0.01	5783.20
MW-1	12/18/04	5810.88	27.67	27.71	0.04	5783.20
MW-1	03/17/05	5810.88	27.65	27.83	0.18	5783.19
MW-1	04/15/05	5810.88	27.72	28.03	0.31	5783.09
MW-1	05/17/05	5810.88	27.35	27.78	0.43	5783.43
MW-1	06/23/05	5810.88	27.21	27.23	0.02	5783.66
MW-1	09/12/05	5810.88	26.52	26.56	0.04	5784.35
MW-1	09/13/05	5810.88	ND	26.56		5784.32
MW-1	10/28/05	5810.88	ND	26.27		5784.61
MW-1	11/18/05	5810.88	ND	26.26		5784.62

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	12/22/05	5810.88	ND	26.09		5784.79
MW-1	01/18/06	5810.88	ND	26.02		5784.86
MW-1	02/21/06	5810.88	ND	26.14		5784.74
MW-1	03/25/06	5810.88	ND	26.20		5784.68
MW-1	04/28/06	5810.88	ND	26.34		5784.54
MW-1	05/23/06	5810.88	ND	26.39		5784.49
MW-1	06/14/06	5810.88	ND	26.33		5784.55
MW-1	07/21/06	5810.88	ND	26.38		5784.50
MW-1	08/24/06	5810.88	ND	26.29		5784.59
MW-1	09/25/06	5810.88	ND	26.30		5784.58
MW-1	12/27/06	5810.88	ND	26.08		5784.80
MW-1	03/26/07	5810.88	ND	27.28		5783.60
MW-1	06/11/07	5810.88	ND	26.47		5784.41
MW-1	09/18/07	5810.88	ND	26.38		5784.50
MW-1	03/04/08	5810.88	ND	26.66		5784.22
MW-1	06/12/08	5810.88	ND	26.60		5784.28
MW-1	09/08/08	5810.88	ND	26.29		5784.59
MW-1	12/03/08	5810.88	ND	26.31		5784.57
MW-1	03/02/09	5810.88	ND	26.58		5784.30
MW-1	06/03/09	5810.88	ND	26.86		5784.02
MW-1	08/27/09	5810.88	ND	27.03		5783.85
MW-1	11/02/09	5810.88	ND	26.92		5783.96
MW-1	02/11/10	5810.88	ND	27.15		5783.73
MW-1	05/26/10	5810.88	26.95	27.07	0.12	5783.90
MW-1	09/30/10	5810.88	ND	26.40		5784.48
MW-1	11/01/10	5810.88	ND	26.14		5784.74
MW-1	02/02/11	5810.88	ND	26.18		5784.70
MW-1	05/10/11	5810.88	ND	26.22		5784.66
MW-1	09/26/11	5810.88	ND	25.39		5785.49
MW-1	11/01/11	5810.88	ND	26.26		5784.62
MW-1	02/16/12	5810.88	ND	26.70		5784.18
MW-1	05/08/12	5810.88	ND	26.80		5784.08
MW-1	06/07/13	5810.88	27.36	28.77	1.41	5783.22
MW-1	09/12/13	5810.88	27.41	28.95	1.54	5783.14
MW-1	12/13/13	5810.88	27.29	28.62	1.33	5783.31
MW-1	04/05/14	5810.88	27.42	28.98	1.56	5783.13
MW-1	10/21/14	5810.88	27.40	28.50	1.10	5783.24
MW-1	05/27/15	5810.88	27.58	29.29	1.71	5782.94
MW-1	11/18/15	5810.88	26.92	27.22	0.30	5783.89
MW-1	04/15/16	5810.88	27.09	27.51	0.42	5783.70

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/11/16	5810.88	26.82	26.90	0.08	5784.04
MW-1	06/10/17	5810.88	26.46	26.50	0.04	5784.41
MW-1	07/11/17	5810.88	ND	23.61		5787.27
MW-1	11/12/17	5810.88	ND	25.89		5784.99
MW-1	03/25/18	5810.88	26.33	26.40	0.07	5784.53
MW-1	05/07/18	5810.88	26.58	26.67	0.09	5784.28
MW-1	05/19/18	5810.88	26.54	26.61	0.07	5784.32
MW-1	07/11/18	5810.88	26.72	26.86	0.14	5784.13
MW-1	10/29/18	5810.88	26.75	26.94	0.19	5784.09
MW-1	05/20/19	5810.88	27.50	27.70	0.20	5783.33
MW-1	05/16/20	5810.88	27.47	28.70	1.23	5783.15
MW-1	08/18/20	5810.88	27.56	28.80	1.24	5783.05
MW-1	11/15/20	5810.88	27.60	28.80	1.20	5783.02
MW-1	03/17/21	5810.88	NM	NM	1.18	NM
MW-1	05/23/21	5810.88	27.94	29.39	1.45	5782.63
MW-1	08/28/21	5810.88	28.03	29.39	1.36	5782.56
MW-1	11/13/21	5810.88	28.05	29.36	1.31	5782.55
MW-1	03/22/22	5810.88	28.33	29.62	1.29	5782.27
MW-1	05/18/22	5810.88	28.34	29.80	1.46	5782.23
MW-1	07/29/22	5810.88	28.43	29.83	1.40	5782.15
MW-1	11/03/22	5810.88	28.35	30.58	2.23	5782.06
MW-1	03/28/23	5810.88	28.48	30.49	2.01	5781.97
MW-1	05/18/23	5810.88	28.49	30.88	2.39	5781.88
MW-1	08/23/23	5810.88	28.45	30.59	2.14	5781.98
MW-1	08/25/23	5810.88	29.35	30.92	1.57	5781.20
MW-1	11/15/23	5810.88	27.84	28.87	1.03	5782.82
MW-2	12/11/95	5809.46	NR	25.32		5784.14
MW-2	12/04/96	5809.46	NR	26.09		5783.37
MW-2	03/05/97	5809.46	NR	26.30		5783.16
MW-2	10/11/00	5809.46	NR	26.41		5783.05
MW-2	04/06/01	5809.46	NR	26.64		5782.82
MW-2	06/05/01	5809.46	NR	26.81		5782.65
MW-2	06/25/01	5809.46	NR	26.79		5782.67
MW-2	12/21/01	5809.46	NR	26.79		5782.67
MW-2	05/15/02	5809.46	NR	27.02		5782.44
MW-2	06/05/02	5809.46	NR	27.06		5782.40
MW-2	09/06/02	5809.46	NR	27.09		5782.37
MW-2	09/13/02	5809.46	NR	27.07		5782.39
MW-2	12/18/02	5809.46	NR	27.09		5782.37
MW-2	06/19/03	5809.46	ND	27.04		5782.42

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	09/22/03	5809.46	ND	26.82		5782.64
MW-2	12/15/03	5809.46	ND	26.42		5783.04
MW-2	03/16/04	5809.46	ND	26.33		5783.13
MW-2	06/09/04	5809.46	ND	26.34		5783.12
MW-2	09/10/04	5809.46	ND	26.17		5783.29
MW-2	12/14/04	5809.46	ND	26.13		5783.33
MW-2	03/17/05	5809.46	ND	26.14		5783.32
MW-2	06/23/05	5809.46	ND	25.81		5783.65
MW-2	09/13/05	5809.46	ND	25.54		5783.92
MW-2	10/28/05	5809.46	ND	26.43		5783.03
MW-2	12/22/05	5809.46	ND	25.35		5784.11
MW-2	03/25/06	5809.46	ND	25.53		5783.93
MW-2	06/14/06	5809.46	ND	25.66		5783.80
MW-2	09/25/06	5809.46	ND	25.59		5783.87
MW-2	12/27/06	5809.46	ND	25.17		5784.29
MW-2	03/26/07	5809.46	ND	25.40		5784.06
MW-2	06/11/07	5809.46	ND	25.48		5783.98
MW-2	09/18/07	5809.46	ND	25.47		5783.99
MW-2	03/04/08	5809.46	ND	26.72		5782.74
MW-2	06/12/08	5809.46	ND	25.62		5783.84
MW-2	09/08/08	5809.46	ND	26.35		5783.11
MW-2	12/03/08	5809.46	ND	25.45		5784.01
MW-2	03/02/09	5809.46	ND	25.70		5783.76
MW-2	06/03/09	5809.46	ND	25.95		5783.51
MW-2	08/27/09	5809.46	ND	25.97		5783.49
MW-2	11/02/09	5809.46	ND	25.99		5783.47
MW-2	02/11/10	5809.46	ND	26.17		5783.29
MW-2	05/26/10	5809.46	ND	26.07		5783.39
MW-2	09/30/10	5809.46	ND	25.42		5784.04
MW-2	11/01/10	5809.46	ND	25.28		5784.18
MW-2	02/02/11	5809.46	ND	24.32		5785.14
MW-2	05/10/11	5809.46	ND	25.43		5784.03
MW-2	09/26/11	5809.46	ND	25.52		5783.94
MW-2	11/01/11	5809.46	ND	25.56		5783.90
MW-2	02/16/12	5809.46	ND	25.82		5783.64
MW-2	05/08/12	5809.46	ND	26.02		5783.44
MW-2	06/07/13	5809.46	ND	26.53		5782.93
MW-2	09/12/13	5809.46	ND	26.68		5782.78
MW-2	12/13/13	5809.46	ND	26.38		5783.08
MW-2	04/05/14	5809.46	ND	26.37		5783.09

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	10/21/14	5809.46	ND	26.45		5783.01
MW-2	05/27/15	5809.46	ND	26.57		5782.89
MW-2	11/18/15	5809.46	ND	25.90		5783.56
MW-2	04/15/16	5809.46	ND	26.23		5783.23
MW-2	10/11/16	5809.46	ND	26.06		5783.40
MW-2	06/10/17	5809.46	ND	25.75		5783.71
MW-2	11/10/17	5809.46	ND	25.48		5783.98
MW-2	05/19/18	5809.46	ND	25.97		5783.49
MW-2	10/29/18	5809.46	ND	26.15		5783.31
MW-2	05/20/19	5809.46	ND	26.58		5782.88
MW-2	11/11/19	5809.46	ND	26.53		5782.93
MW-2	05/16/20	5809.46	ND	26.77		5782.69
MW-2	11/15/20	5809.46	ND	26.77		5782.69
MW-2	05/23/21	5809.46	ND	27.05		5782.41
MW-2	08/28/21	5809.46	ND	27.14		5782.32
MW-2	11/13/21	5809.46	ND	27.12		5782.34
MW-2	05/18/22	5809.46	ND	27.33		5782.13
MW-2	11/03/22	5809.46	ND	27.36		5782.10
MW-2	05/18/23	5809.46	ND	27.45		5782.01
MW-2	11/15/23	5809.46	ND	26.98		5782.48
MW-3	12/11/95	5810.13	NR	26.52		5783.61
MW-3	12/04/96	5810.13	27.16	27.72	0.56	5782.85
MW-3	03/05/97	5810.13	27.09	28.87	1.78	5782.66
MW-3	03/12/01	5810.13	27.84	29.18	1.34	5782.00
MW-3	04/06/01	5810.13	27.86	29.27	1.41	5781.97
MW-3	06/05/01	5810.13	28.06	29.48	1.42	5781.77
MW-3	06/14/01	5810.13	27.98	29.41	1.43	5781.84
MW-3	06/28/01	5810.13	28.15	29.57	1.42	5781.68
MW-3	07/06/01	5810.13	28.06	29.41	1.35	5781.78
MW-3	07/11/01	5810.13	28.26	29.61	1.35	5781.58
MW-3	07/20/01	5810.13	28.13	29.43	1.30	5781.72
MW-3	08/02/01	5810.13	28.22	29.50	1.28	5781.64
MW-3	08/08/01	5810.13	28.16	29.40	1.24	5781.70
MW-3	08/16/01	5810.13	28.21	29.46	1.25	5781.65
MW-3	08/20/01	5810.13	28.31	29.61	1.30	5781.54
MW-3	08/31/01	5810.13	28.17	29.47	1.30	5781.68
MW-3	09/06/01	5810.13	28.31	29.62	1.31	5781.54
MW-3	09/17/01	5810.13	28.34	29.62	1.28	5781.52
MW-3	09/25/01	5810.13	28.22	29.48	1.26	5781.64
MW-3	10/03/01	5810.13	28.25	29.47	1.22	5781.62

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	10/11/01	5810.13	28.23	29.50	1.27	5781.63
MW-3	12/04/01	5810.13	28.55	29.89	1.34	5781.29
MW-3	12/13/01	5810.13	28.54	29.89	1.35	5781.30
MW-3	12/21/01	5810.13	28.36	29.63	1.27	5781.50
MW-3	12/28/01	5810.13	28.43	29.68	1.25	5781.43
MW-3	01/04/02	5810.13	28.39	29.63	1.24	5781.47
MW-3	01/08/02	5810.13	28.41	29.59	1.18	5781.47
MW-3	01/17/02	5810.13	28.70	30.00	1.30	5781.15
MW-3	01/23/02	5810.13	28.70	28.71	0.01	5781.42
MW-3	01/31/02	5810.13	28.68	28.70	0.02	5781.44
MW-3	02/07/02	5810.13	28.70	30.00	1.30	5781.15
MW-3	02/14/02	5810.13	27.80	28.80	1.00	5782.12
MW-3	02/20/02	5810.13	28.74	28.76	0.02	5781.38
MW-3	02/28/02	5810.13	28.64	29.82	1.18	5781.24
MW-3	03/06/02	5810.13	28.55	29.72	1.17	5781.33
MW-3	03/11/02	5810.13	28.72	29.90	1.18	5781.16
MW-3	03/21/02	5810.13	28.61	29.82	1.21	5781.26
MW-3	03/28/02	5810.13	28.57	29.74	1.17	5781.31
MW-3	04/04/02	5810.13	28.66	29.84	1.18	5781.22
MW-3	04/12/02	5810.13	28.93	30.28	1.35	5780.91
MW-3	04/19/02	5810.13	28.93	30.25	1.32	5780.92
MW-3	04/25/02	5810.13	28.93	30.24	1.31	5780.92
MW-3	05/03/02	5810.13	NR	28.96	0.00	5781.17
MW-3	05/15/02	5810.13	28.69	29.86	1.17	5781.19
MW-3	05/24/02	5810.13	28.53	29.53	1.00	5781.39
MW-3	05/31/02	5810.13	28.72	29.96	1.24	5781.14
MW-3	06/07/02	5810.13	28.72	29.91	1.19	5781.16
MW-3	06/14/02	5810.13	28.97	30.31	1.34	5780.87
MW-3	06/21/02	5810.13	29.32	30.54	1.22	5780.55
MW-3	06/27/02	5810.13	29.30	30.65	1.35	5780.54
MW-3	07/02/02	5810.13	29.25	30.56	1.31	5780.60
MW-3	07/11/02	5810.13	29.31	30.66	1.35	5780.53
MW-3	07/22/02	5810.13	29.17	30.54	1.37	5780.67
MW-3	07/25/02	5810.13	29.25	30.40	1.15	5780.64
MW-3	07/31/02	5810.13	29.04	30.38	1.34	5780.80
MW-3	08/08/02	5810.13	29.13	30.15	1.03	5780.78
MW-3	08/16/02	5810.13	29.30	35.25	5.95	5779.58
MW-3	08/22/02	5810.13	28.74	30.07	1.33	5781.11
MW-3	08/28/02	5810.13	28.78	29.75	0.97	5781.14
MW-3	09/06/02	5810.13	28.98	30.03	1.06	5780.93

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	09/13/02	5810.13	28.63	29.29	0.66	5781.36
MW-3	09/19/02	5810.13	29.42	30.43	1.02	5780.50
MW-3	09/25/02	5810.13	29.40	30.28	0.88	5780.54
MW-3	10/04/02	5810.13	29.35	30.19	0.85	5780.60
MW-3	10/10/02	5810.13	29.46	30.32	0.86	5780.49
MW-3	10/15/02	5810.13	29.50	30.29	0.79	5780.46
MW-3	10/23/02	5810.13	29.66	30.32	0.66	5780.33
MW-3	10/30/02	5810.13	29.32	30.58	1.26	5780.54
MW-3	11/08/02	5810.13	29.36	30.58	1.22	5780.51
MW-3	11/21/02	5810.13	29.45	30.45	1.00	5780.47
MW-3	12/04/02	5810.13	29.48	30.47	0.99	5780.44
MW-3	12/10/02	5810.13	29.48	30.23	0.75	5780.49
MW-3	12/18/02	5810.13	29.38	30.28	0.90	5780.56
MW-3	12/27/02	5810.13	29.45	30.21	0.76	5780.52
MW-3	01/07/03	5810.13	29.45	30.26	0.81	5780.50
MW-3	01/22/03	5810.13	28.75	29.46	0.71	5781.23
MW-3	01/29/03	5810.13	28.76	29.34	0.58	5781.24
MW-3	02/05/03	5810.13	28.29	28.77	0.48	5781.73
MW-3	02/12/03	5810.13	28.78	29.33	0.55	5781.23
MW-3	02/20/03	5810.13	28.77	29.33	0.56	5781.24
MW-3	02/28/03	5810.13	28.80	29.31	0.51	5781.22
MW-3	03/02/03	5810.13	28.81	29.27	0.46	5781.22
MW-3	03/06/03	5810.13	28.79	29.31	0.52	5781.23
MW-3	03/19/03	5810.13	28.82	29.30	0.48	5781.20
MW-3	03/26/03	5810.13	28.82	29.33	0.51	5781.20
MW-3	04/02/03	5810.13	28.80	29.33	0.53	5781.21
MW-3	04/10/03	5810.13	28.84	29.32	0.48	5781.18
MW-3	04/18/03	5810.13	28.85	29.29	0.44	5781.18
MW-3	04/28/03	5810.13	28.86	29.19	0.33	5781.20
MW-3	05/07/03	5810.13	28.83	29.25	0.42	5781.21
MW-3	05/13/03	5810.13	28.85	29.27	0.42	5781.19
MW-3	05/21/03	5810.13	28.86	29.29	0.43	5781.17
MW-3	05/27/03	5810.13	28.85	29.21	0.36	5781.20
MW-3	06/03/03	5810.13	28.84	29.23	0.39	5781.20
MW-3	06/09/03	5810.13	28.84	29.20	0.36	5781.21
MW-3	06/16/03	5810.13	28.82	29.20	0.38	5781.23
MW-3	06/19/03	5810.13	28.86	29.16	0.30	5781.20
MW-3	06/23/03	5810.13	28.83	29.23	0.40	5781.21
MW-3	07/01/03	5810.13	29.78	29.85	0.07	5780.33
MW-3	07/10/03	5810.13	29.96	30.39	0.43	5780.07

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	07/15/03	5810.13	30.12	30.29	0.17	5779.97
MW-3	07/21/03	5810.13	30.11	30.24	0.13	5779.99
MW-3	07/29/03	5810.13	29.89	30.14	0.25	5780.18
MW-3	08/04/03	5810.13	29.62	29.94	0.32	5780.44
MW-3	08/11/03	5810.13	30.02	30.09	0.07	5780.09
MW-3	08/18/03	5810.13	30.01	30.09	0.08	5780.10
MW-3	08/25/03	5810.13	30.00	30.09	0.09	5780.11
MW-3	09/02/03	5810.13	30.03	30.12	0.09	5780.08
MW-3	09/08/03	5810.13	30.05	30.15	0.10	5780.05
MW-3	09/15/03	5810.13	29.97	30.05	0.08	5780.14
MW-3	09/22/03	5810.13	28.70	29.14	0.44	5781.33
MW-3	09/29/03	5810.13	29.95	29.98	0.03	5780.17
MW-3	10/06/03	5810.13	29.94	30.00	0.06	5780.17
MW-3	10/13/03	5810.13	29.89	29.95	0.06	5780.22
MW-3	10/20/03	5810.13	29.80	29.86	0.06	5780.31
MW-3	10/27/03	5810.13	29.80	29.85	0.05	5780.31
MW-3	11/03/03	5810.13	29.80	29.83	0.03	5780.32
MW-3	11/10/03	5810.13	29.65	29.66	0.01	5780.47
MW-3	11/17/03	5810.13	29.31	29.32	0.01	5780.81
MW-3	11/26/03	5810.13	29.31	29.32	0.01	5780.81
MW-3	12/04/03	5810.13	ND	29.23		5780.90
MW-3	12/09/03	5810.13	ND	29.24		5780.89
MW-3	12/15/03	5810.13	ND	28.40		5781.73
MW-3	01/02/04	5810.13	ND	28.42		5781.71
MW-3	01/11/04	5810.13	28.36	28.37	0.01	5781.76
MW-3	01/16/04	5810.13	28.25	28.25	<0.01	5781.88
MW-3	01/23/04	5810.13	ND	28.22		5781.91
MW-3	01/30/04	5810.13	28.22	28.22	<0.01	5781.90
MW-3	02/06/04	5810.13	ND	28.23		5781.90
MW-3	02/12/04	5810.13	ND	28.20		5781.93
MW-3	02/18/04	5810.13	ND	28.17		5781.96
MW-3	02/27/04	5810.13	ND	28.20		5781.93
MW-3	03/16/04	5810.13	ND	28.21		5781.92
MW-3	04/13/04	5810.13	ND	28.19		5781.94
MW-3	05/10/04	5810.13	ND	28.22		5781.91
MW-3	06/02/04	5810.13	ND	28.19		5781.94
MW-3	06/09/04	5810.13	ND	28.21		5781.92
MW-3	07/26/04	5810.13	ND	28.08		5782.05
MW-3	08/16/04	5810.13	ND	28.08		5782.05
MW-3	09/09/04	5810.13	ND	28.02		5782.11

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	09/10/04	5810.13	ND	28.03		5782.10
MW-3	10/11/04	5810.13	ND	27.96		5782.17
MW-3	11/17/04	5810.13	ND	27.87		5782.26
MW-3	12/13/04	5810.13	ND	27.87		5782.26
MW-3	12/14/04	5810.13	ND	27.83		5782.30
MW-3	01/17/05	5810.13	ND	27.78		5782.35
MW-3	02/15/05	5810.13	ND	27.74		5782.39
MW-3	03/16/05	5810.13	ND	27.72		5782.41
MW-3	03/17/05	5810.13	ND	27.69		5782.44
MW-3	04/15/05	5810.13	ND	27.69		5782.44
MW-3	05/17/05	5810.13	ND	27.38		5782.75
MW-3	06/23/05	5810.13	ND	27.19		5782.94
MW-3	07/19/05	5810.13	ND	27.07		5783.06
MW-3	08/22/05	5810.13	ND	26.87		5783.26
MW-3	09/13/05	5810.13	ND	26.78		5783.35
MW-3	10/28/05	5810.13	ND	26.43		5783.70
MW-3	11/18/05	5810.13	ND	26.44		5783.69
MW-3	12/22/05	5810.13	ND	26.36		5783.77
MW-3	01/18/06	5810.13	ND	23.36		5786.77
MW-3	02/21/06	5810.13	ND	26.52		5783.61
MW-3	03/25/06	5810.13	ND	26.60		5783.53
MW-3	04/28/06	5810.13	ND	26.73		5783.40
MW-3	05/23/06	5810.13	ND	26.78		5783.35
MW-3	06/14/06	5810.13	ND	26.71		5783.42
MW-3	09/25/06	5810.13	ND	26.34		5783.79
MW-3	12/27/06	5810.13	ND	26.96		5783.17
MW-3	03/26/07	5810.13	ND	26.40		5783.73
MW-3	06/11/07	5810.13	ND	26.42		5783.71
MW-3	09/18/07	5810.13	ND	26.50		5783.63
MW-3	03/04/08	5810.13	ND	26.65		5783.48
MW-3	06/12/08	5810.13	ND	26.42		5783.71
MW-3	09/08/08	5810.13	ND	26.32		5783.81
MW-3	12/03/08	5810.13	ND	26.53		5783.60
MW-3	03/02/09	5810.13	ND	26.75		5783.38
MW-3	06/03/09	5810.13	ND	26.97		5783.16
MW-3	08/27/09	5810.13	ND	26.99		5783.14
MW-3	11/02/09	5810.13	ND	27.04		5783.09
MW-3	02/11/10	5810.13	ND	26.23		5783.90
MW-3	05/26/10	5810.13	ND	26.87		5783.26
MW-3	09/30/10	5810.13	ND	26.25		5783.88

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	11/01/10	5810.13	ND	26.15		5783.98
MW-3	02/02/11	5810.13	ND	26.38		5783.75
MW-3	05/10/11	5810.13	ND	26.45		5783.68
MW-3	09/26/11	5810.13	ND	26.55		5783.58
MW-3	11/01/11	5810.13	ND	26.57		5783.56
MW-3	02/16/12	5810.13	ND	26.88		5783.25
MW-3	05/08/12	5810.13	ND	27.97		5782.16
MW-3	06/07/13	5810.13	ND	27.61		5782.52
MW-3	09/12/13	5810.13	ND	27.69		5782.44
MW-3	12/13/13	5810.13	ND	27.26		5782.87
MW-3	04/05/14	5810.13	ND	27.39		5782.74
MW-3	10/21/14	5810.13	ND	27.51		5782.62
MW-3	05/27/15	5810.13	ND	27.50		5782.63
MW-3	11/18/15	5810.13	ND	26.92		5783.21
MW-3	04/15/16	5810.13	ND	27.28		5782.85
MW-3	10/11/16	5810.13	ND	27.08		5783.05
MW-3	06/10/17	5810.13	ND	26.77		5783.36
MW-3	11/10/17	5810.13	ND	26.57		5783.56
MW-3	05/19/18	5810.13	ND	27.10		5783.03
MW-3	10/29/18	5810.13	ND	27.31		5782.82
MW-3	05/20/19	5810.13	ND	27.71		5782.42
MW-3	11/11/19	5810.13	ND	27.76		5782.37
MW-3	05/16/20	5810.13	ND	27.47		5782.66
MW-3	11/15/20	5810.13	ND	28.11		5782.02
MW-3	05/23/21	5810.13	ND	28.41		5781.72
MW-3	08/28/21	5810.13	ND	28.45		5781.68
MW-3	11/13/21	5810.13	ND	28.48		5781.65
MW-3	05/18/22	5810.13	ND	28.70		5781.43
MW-3	11/03/22	5810.13	ND	28.80		5781.33
MW-3	05/18/23	5810.13	ND	28.94		5781.19
MW-3	11/15/23	5810.13	ND	28.64		5781.49
MW-4	12/11/95	5809.54	NR	25.55		5783.99
MW-4	12/04/96	5809.54	NR	26.27		5783.27
MW-4	03/05/97	5809.54	NR	26.44		5783.10
MW-4	10/11/00	5809.54	NR	26.56		5782.98
MW-4	04/06/01	5809.54	NR	26.82		5782.72
MW-4	06/05/01	5809.54	NR	26.94		5782.60
MW-4	06/25/01	5809.54	NR	26.93		5782.61
MW-4	12/21/01	5809.54	NR	26.92		5782.62
MW-4	05/15/02	5809.54	NR	27.14		5782.40

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	06/05/02	5809.54	NR	27.16		5782.38
MW-4	09/06/02	5809.54	NR	27.19		5782.35
MW-4	12/18/02	5809.54	NR	27.02		5782.52
MW-4	06/19/03	5809.54	ND	26.92		5782.62
MW-4	09/22/03	5809.54	ND	26.83		5782.71
MW-4	12/15/03	5809.54	ND	26.37		5783.17
MW-4	03/16/04	5809.54	ND	26.40		5783.14
MW-4	06/09/04	5809.54	ND	26.41		5783.13
MW-4	09/10/04	5809.54	ND	26.29		5783.25
MW-4	12/14/04	5809.54	ND	26.19		5783.35
MW-4	03/17/05	5809.54	ND	26.23		5783.31
MW-4	06/23/05	5809.54	ND	25.90		5783.64
MW-4	09/13/05	5809.54	ND	25.69		5783.85
MW-4	12/22/05	5809.54	ND	25.49		5784.05
MW-4	03/25/06	5809.54	ND	25.68		5783.86
MW-4	06/14/06	5809.54	ND	25.83		5783.71
MW-4	09/25/06	5809.54	ND	25.67		5783.87
MW-4	12/27/06	5809.54	ND	25.22		5784.32
MW-4	03/26/07	5809.54	ND	25.53		5784.01
MW-4	06/11/07	5809.54	ND	25.60		5783.94
MW-4	09/18/07	5809.54	ND	25.62		5783.92
MW-4	03/04/08	5809.54	ND	25.88		5783.66
MW-4	06/12/08	5809.54	ND	25.64		5783.90
MW-4	09/08/08	5809.54	ND	25.46		5784.08
MW-4	12/03/08	5809.54	ND	25.60		5783.94
MW-4	03/02/09	5809.54	ND	25.85		5783.69
MW-4	06/03/09	5809.54	ND	26.13		5783.41
MW-4	08/27/09	5809.54	ND	26.09		5783.45
MW-4	11/02/09	5809.54	ND	26.13		5783.41
MW-4	02/11/10	5809.54	ND	26.28		5783.26
MW-4	05/26/10	5809.54	ND	26.10		5783.44
MW-4	09/30/10	5809.54	ND	25.47		5784.07
MW-4	11/01/10	5809.54	ND	25.35		5784.19
MW-4	02/02/11	5809.54	ND	24.50		5785.04
MW-4	05/10/11	5809.54	ND	25.57		5783.97
MW-4	09/26/11	5809.54	ND	25.66		5783.88
MW-4	11/01/11	5809.54	ND	25.72		5783.82
MW-4	02/16/12	5809.54	ND	25.95		5783.59
MW-4	05/08/12	5809.54	ND	26.16		5783.38
MW-4	06/07/13	5809.54	ND	26.68		5782.86

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	09/12/13	5809.54	ND	26.78		5782.76
MW-4	12/13/13	5809.54	ND	26.35		5783.19
MW-4	04/05/14	5809.54	ND	26.44		5783.10
MW-4	10/21/14	5809.54	ND	26.56		5782.98
MW-4	05/27/15	5809.54	ND	26.80		5782.74
MW-4	11/18/15	5809.54	ND	26.02		5783.52
MW-4	04/15/16	5809.54	ND	26.36		5783.18
MW-4	10/11/16	5809.54	ND	26.05		5783.49
MW-4	06/10/17	5809.54	ND	25.86		5783.68
MW-4	11/12/17	5809.54	ND	25.69		5783.85
MW-4	05/19/18	5809.54	ND	26.14		5783.40
MW-4	10/29/18	5809.54	ND	26.31		5783.23
MW-4	05/20/19	5809.54	ND	26.72		5782.82
MW-4	11/11/19	5809.54	ND	26.66		5782.88
MW-4	05/16/20	5809.54	ND	26.89		5782.65
MW-4	11/15/20	5809.54	ND	26.91		5782.63
MW-4	05/23/21	5809.54	ND	27.15		5782.39
MW-4	08/28/21	5809.54	ND	27.23		5782.31
MW-4	11/13/21	5809.54	ND	27.22		5782.32
MW-4	05/18/22	5809.54	ND	27.41		5782.13
MW-4	11/03/22	5809.54	ND	27.43		5782.11
MW-4	05/18/23	5809.54	ND	27.31		5782.23
MW-4	11/15/23	5809.54	ND	26.97		5782.57
MW-5	10/11/16	5811.49	ND	31.51		5779.98
MW-5	06/10/17	5811.49	ND	32.09		5779.40
MW-5	11/10/17	5811.49	ND	26.82		5784.67
MW-5	05/19/18	5811.49	ND	30.83		5780.66
MW-5	07/11/18	5811.49	ND	31.32		5780.17
MW-5	10/29/18	5811.49	ND	28.43		5783.06
MW-5	05/20/19	5811.49	ND	32.76		5778.73
MW-5	11/11/19	5811.49	ND	29.04		5782.45
MW-5	05/16/20	5811.49	ND	33.06		5778.43
MW-5	11/15/20	5811.49	ND	29.05		5782.44
MW-5	05/23/21	5811.49	ND	33.36		5778.13
MW-5	08/28/21	5811.49	ND	33.14		5778.35
MW-5	11/13/21	5811.49	ND	29.60		5781.89
MW-5	05/18/22	5811.49	ND	33.71		5777.78
MW-5	11/03/22	5811.49	ND	30.44		5781.05
MW-5	05/18/23	5811.49	ND	34.07		5777.42
MW-5	11/15/23	5811.49	ND	30.11		5781.38

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	10/11/16	5807.41	ND	22.28		5785.13
MW-6	06/10/17	5807.41	ND	21.82		5785.59
MW-6	11/10/17	5807.41	ND	21.68		5785.73
MW-6	05/19/18	5807.41	ND	22.35		5785.06
MW-6	07/11/18	5807.41	ND	22.41		5785.00
MW-6	10/29/18	5807.41	ND	22.47		5784.94
MW-6	05/20/19	5807.41	ND	22.84		5784.57
MW-6	11/11/19	5807.41	ND	23.37		5784.04
MW-6	05/16/20	5807.41	ND	22.74		5784.67
MW-6	11/15/20	5807.41	ND	22.62		5784.79
MW-6	05/23/21	5807.41	ND	22.90		5784.51
MW-6	08/28/21	5807.41	ND	22.88		5784.53
MW-6	11/13/21	5807.41	ND	22.78		5784.63
MW-6	05/18/22	5807.41	ND	22.92		5784.49
MW-6	11/03/22	5807.41	ND	22.77		5784.64
MW-6	05/18/23	5807.41	ND	22.43		5784.98
MW-6	11/15/23	5807.41	ND	22.30		5785.11
MW-7	10/11/16	5807.17	ND	23.38		5783.79
MW-7	06/10/17	5807.17	ND	22.83		5784.34
MW-7	11/10/17	5807.17	ND	22.38		5784.79
MW-7	05/19/18	5807.17	ND	23.15		5784.02
MW-7	07/11/18	5807.17	23.19	23.21	0.02	5783.98
MW-7	10/29/18	5807.17	25.32	25.40	0.08	5781.83
MW-7	05/20/19	5807.17	23.93	24.50	0.57	5783.12
MW-7	11/11/19	5807.17	ND	23.83		5783.34
MW-7	05/16/20	5807.17	24.06	24.88	0.82	5782.94
MW-7	08/18/20	5807.17	24.42	24.51	0.09	5782.73
MW-7	11/15/20	5807.17	24.34	24.46	0.12	5782.80
MW-7	03/17/21	5807.17	NM	NM	<0.01	NM
MW-7	05/23/21	5807.17	24.75	24.79	0.04	5782.41
MW-7	08/28/21	5807.17	24.97	25.00	0.03	5782.19
MW-7	11/13/21	5807.17	ND	24.84	0.00	5782.33
MW-7	03/22/22	5807.17	25.14	25.16	0.02	5782.03
MW-7	05/18/22	5807.17	25.12	25.14	0.02	5782.05
MW-7	07/29/22	5807.17	25.20	25.22	0.02	5781.97
MW-7	11/03/22	5807.17	25.12	25.13	0.01	5782.05
MW-7	03/28/23	5807.17	25.25	25.27	0.02	5781.92
MW-7	05/18/23	5807.17	ND	25.28		5781.89
MW-7	11/15/23	5807.17	24.39	24.58	0.19	5782.74

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-8	10/11/16	5806.62	22.51	22.76	0.25	5784.06
MW-8	06/10/17	5806.62	22.05	22.08	0.03	5784.56
MW-8	11/12/17	5806.62	ND	21.62		5785.00
MW-8	03/25/18	5806.62	22.20	22.35	0.15	5784.39
MW-8	05/08/18	5806.62	22.68	22.77	0.09	5783.92
MW-8	05/19/18	5806.62	22.45	22.48	0.03	5784.16
MW-8	07/11/18	5806.62	22.51	22.58	0.07	5784.10
MW-8	10/29/18	5806.62	22.69	22.71	0.02	5783.93
MW-8	05/20/19	5806.62	23.15	24.04	0.89	5783.28
MW-8	11/11/19	5806.62	23.02	23.62	0.60	5783.47
MW-8	05/16/20	5806.62	23.30	24.29	0.99	5783.11
MW-8	08/18/20	5806.62	23.38	24.35	0.97	5783.04
MW-8	11/15/20	5806.62	23.46	24.40	0.94	5782.96
MW-8	03/17/21	5806.62	NM	NM	0.79	NM
MW-8	05/23/21	5806.62	24.03	25.23	1.20	5782.34
MW-8	08/28/21	5806.62	23.89	25.09	1.20	5782.48
MW-8	11/13/21	5806.62	23.85	25.99	2.14	5782.32
MW-8	03/22/22	5806.62	24.05	26.90	2.85	5781.97
MW-8	05/18/22	5806.62	24.07	28.50	4.43	5781.62
MW-8	07/29/22	5806.62	24.15	28.85	4.70	5781.48
MW-8	11/03/22	5806.62	24.07	26.12	2.05	5782.12
MW-8	03/28/23	5806.62	24.79	25.61	0.82	5781.66
MW-8	05/18/23	5806.62	24.78	25.09	0.31	5781.77
MW-8	08/23/23	5806.62	23.81	24.03	0.22	5782.76
MW-8	08/24/23	5806.62	25.12	25.24	0.12	5781.47
MW-8	11/15/23	5806.62	23.51	23.79	0.28	5783.05
MW-9	10/11/16	5810.31	ND	26.97		5783.34
MW-9	06/10/17	5810.31	ND	26.87		5783.44
MW-9	11/10/17	5810.31	ND	26.31		5784.00
MW-9	05/19/18	5810.31	ND	27.13		5783.18
MW-9	10/29/18	5810.31	ND	27.07		5783.24
MW-9	05/20/19	5810.31	ND	31.81		5778.50
MW-9	11/11/19	5810.31	ND	28.28		5782.03
MW-9	05/16/20	5810.31	ND	33.44		5776.87
MW-9	11/15/20	5810.31	ND	30.15		5780.16
MW-9	05/23/21	5810.31	ND	34.08		5776.23
MW-9	08/28/21	5810.31	ND	34.82		5775.49
MW-9	11/13/21	5810.31	ND	31.22		5779.09
MW-9	05/18/22	5810.31	ND	34.57		5775.74
MW-9	11/03/22	5810.31	ND	32.23		5778.08

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-9	05/18/23	5810.31	ND	34.97		5775.34
MW-9	11/15/23	5810.31	ND	32.06		5778.25
MW-10	10/11/16	5807.54	23.90	23.92	0.02	5783.64
MW-10	06/10/17	5807.54	ND	23.56		5783.98
MW-10	11/10/17	5807.54	ND	23.06		5784.48
MW-10	05/19/18	5807.54	ND	23.67		5783.87
MW-10	10/29/18	5807.54	ND	23.82		5783.72
MW-10	05/20/19	5807.54	24.35	24.42	0.07	5783.18
MW-10	11/11/19	5807.54	ND	24.39		5783.15
MW-10	05/16/20	5807.54	24.71	24.82	0.11	5782.81
MW-10	08/18/20	5807.54	24.82	24.87	0.05	5782.71
MW-10	11/15/20	5807.54	24.88	24.92	0.04	5782.65
MW-10	03/17/21	5807.54	NM	NM	ND	NM
MW-10	05/23/21	5807.54	ND	25.22		5782.32
MW-10	08/28/21	5807.54	25.23	25.24	0.01	5782.31
MW-10	11/13/21	5807.54	25.22	25.23	0.01	5782.32
MW-10	03/22/22	5807.54	25.43	25.50	0.07	5782.10
MW-10	05/18/22	5807.54	25.41	25.45	0.04	5782.12
MW-10	07/29/22	5807.54	25.49	25.57	0.08	5782.03
MW-10	11/03/22	5807.54	25.38	25.48	0.10	5782.14
MW-10	03/28/23	5807.54	25.55	25.78	0.23	5781.94
MW-10	05/18/23	5807.54	25.60	25.77	0.17	5781.90
MW-10	08/23/23	5807.54	25.40	25.63	0.23	5782.09
MW-10	11/15/23	5807.54	25.07	25.15	0.08	5782.45
MW-11	10/11/16	5810.13	ND	27.13		5783.00
MW-11	06/10/17	5810.13	ND	26.85		5783.28
MW-11	11/10/17	5810.13	ND	26.68		5783.45
MW-11	05/19/18	5810.13	ND	27.21		5782.92
MW-11	10/29/18	5810.13	ND	27.40		5782.73
MW-11	05/20/19	5810.13	ND	27.75		5782.38
MW-11	11/11/19	5810.13	ND	27.82		5782.31
MW-11	05/16/20	5810.13	NA	28.04		5782.09
MW-11	11/15/20	5810.13	NA	28.16		5781.97
MW-11	05/23/21	5810.13	NA	28.43		5781.70
MW-11	08/28/21	5810.13	NA	28.51		5781.62
MW-11	11/13/21	5810.13	28.38	29.00	0.62	5781.62
MW-11	03/22/22	5810.13	28.48	29.77	1.29	5781.38
MW-11	05/18/22	5810.13	28.48	29.74	1.26	5781.39
MW-11	07/29/22	5810.13	28.58	29.79	1.21	5781.30

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-11	11/03/22	5810.13	28.66	29.56	0.90	5781.28
MW-11	03/28/23	5810.13	28.72	29.84	1.12	5781.17
MW-11	05/18/23	5810.13	28.77	29.94	1.17	5781.11
MW-11	08/23/23	5810.13	28.66	29.66	1.00	5781.26
MW-11	08/25/23	5810.13	28.72	29.40	0.68	5781.27
MW-11	11/15/23	5810.13	28.54	29.27	0.73	5781.44
MW-12	10/11/16	5809.61	ND	26.75		5782.86
MW-12	06/10/17	5809.61	ND	26.50		5783.11
MW-12	11/10/17	5809.61	ND	26.35		5783.26
MW-12	05/19/18	5809.61	ND	26.85		5782.76
MW-12	10/29/18	5809.61	ND	27.03		5782.58
MW-12	05/20/19	5809.61	ND	28.13		5781.48
MW-12	11/11/19	5809.61	ND	27.70		5781.91
MW-12	05/16/20	5809.61	ND	28.48		5781.13
MW-12	11/15/20	5809.61	ND	27.43		5782.18
MW-12	05/23/21	5809.61	ND	29.12		5780.49
MW-12	08/28/21	5809.61	ND	27.84		5781.77
MW-12	11/13/21	5809.61	ND	27.70		5781.91
MW-12	05/18/22	5809.61	ND	30.14		5779.47
MW-12	11/03/22	5809.61	ND	27.71		5781.90
MW-12	05/18/23	5809.61	ND	30.72		5778.89
MW-12	11/15/23	5809.61	ND	27.61		5782.00
MW-13	11/10/17	5799.15	ND	15.93		5783.22
MW-13	05/19/18	5799.15	ND	16.41		5782.74
MW-13	10/29/18	5799.15	ND	16.60		5782.55
MW-13	05/20/19	5799.15	ND	16.86		5782.29
MW-13	11/11/19	5799.15	ND	16.99		5782.16
MW-13	05/16/20	5799.15	ND	17.11		5782.04
MW-13	11/15/20	5799.15	ND	17.33		5781.82
MW-13	05/23/21	5799.15	ND	17.55		5781.60
MW-13	08/28/21	5799.15	ND	17.64		5781.51
MW-13	11/13/21	5799.15	ND	17.69		5781.46
MW-13	05/18/22	5799.15	ND	17.91		5781.24
MW-13	11/03/22	5799.15	ND	18.00		5781.15
MW-13	05/18/23	5799.15	ND	18.12		5781.03
MW-13	11/15/23	5799.15	ND	17.85		5781.30
MW-14	11/10/17	5800.15	ND	16.05		5784.10
MW-14	05/19/18	5800.15	ND	16.69		5783.46

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-14	10/29/18	5800.15	ND	16.98		5783.17
MW-14	05/20/19	5800.15	ND	17.37		5782.78
MW-14	11/11/19	5800.15	ND	17.44		5782.71
MW-14	05/16/20	5800.15	ND	17.76		5782.39
MW-14	11/15/20	5800.15	ND	17.97		5782.18
MW-14	05/23/21	5800.15	ND	18.44		5781.71
MW-14	08/28/21	5800.15	ND	18.19		5781.96
MW-14	11/13/21	5800.15	ND	18.37		5781.78
MW-14	05/18/22	5800.15	ND	20.58		5779.57
MW-14	11/03/22	5800.15	ND	18.23		5781.92
MW-14	05/18/23	5800.15	ND	21.10		5779.05
MW-14	11/15/23	5800.15	ND	18.12		5782.03
MW-15	11/10/17	5809.76	ND	25.22		5784.54
MW-15	05/19/18	5809.76	ND	25.97		5783.79
MW-15	10/29/18	5809.76	ND	26.22		5783.54
MW-15	05/20/19	5809.76	ND	26.72		5783.04
MW-15	11/11/19	5809.76	ND	26.69		5783.07
MW-15	05/16/20	5809.76	ND	27.05		5782.71
MW-15	11/15/20	5809.76	ND	27.20		5782.56
MW-15	05/23/21	5809.76	ND	27.53		5782.23
MW-15	08/28/21	5809.76	ND	27.66		5782.10
MW-15	11/13/21	5809.76	ND	27.61		5782.15
MW-15	05/18/22	5809.76	ND	27.82		5781.94
MW-15	11/03/22	5809.76	ND	27.84		5781.92
MW-15	05/18/23	5809.76	ND	27.94		5781.82
MW-15	11/15/23	5809.76	ND	27.21		5782.55
MW-16	11/10/17	5807.47	ND	22.10		5785.37
MW-16	05/19/18	5807.47	ND	22.95		5784.52
MW-16	07/11/18	5807.47	ND	22.99		5784.48
MW-16	10/29/18	5807.47	ND	23.17		5784.30
MW-16	05/20/19	5807.47	ND	23.77		5783.70
MW-16	11/11/19	5807.47	ND	23.22		5784.25
MW-16	05/16/20	5807.47	NA	23.81		5783.66
MW-16	11/15/20	5807.47	NA	23.74		5783.73
MW-16	05/23/21	5807.47	NA	24.19		5783.28
MW-16	08/28/21	5807.47	ND	24.28		5783.19
MW-16	11/13/21	5807.47	ND	24.18		5783.29
MW-16	05/18/22	5807.47	ND	24.51		5782.96
MW-16	11/03/22	5807.47	ND	24.25		5783.22

TABLE 3 - GROUNDWATER ELEVATION RESULTS

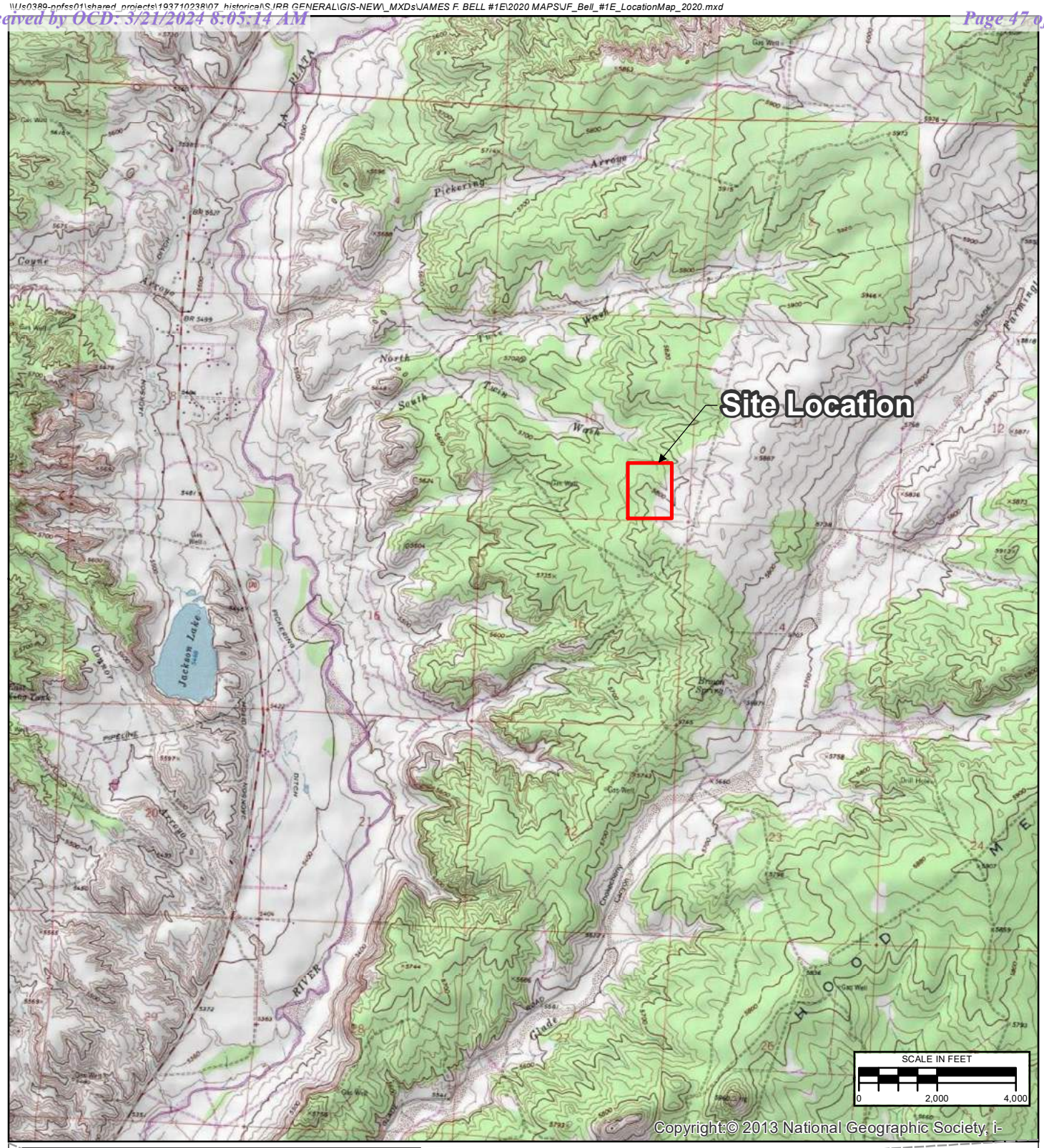
James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-16	05/18/23	5807.47	ND	25.15		5782.32
MW-16	11/15/23	5807.47	ND	23.22		5784.25
MW-17	11/10/17	5811.60	ND	25.34		5786.26
MW-17	05/19/18	5811.60	ND	25.96		5785.64
MW-17	10/29/18	5811.60	ND	26.07		5785.53
MW-17	05/20/19	5811.60	ND	26.40		5785.20
MW-17	11/11/19	5811.60	ND	25.95		5785.65
MW-17	05/16/20	5811.60	ND	26.33		5785.27
MW-17	11/15/20	5811.60	ND	26.23		5785.37
MW-17	05/23/21	5811.60	ND	26.54		5785.06
MW-17	08/28/21	5811.60	ND	26.67		5784.93
MW-17	11/13/21	5811.60	ND	26.50		5785.10
MW-17	05/18/22	5811.60	ND	26.65		5784.95
MW-17	11/03/22	5811.60	ND	26.57		5785.03
MW-17	05/18/23	5811.60	ND	26.37		5785.23
MW-17	11/15/23	5811.60	ND	25.99		5785.61
MW-18	11/10/17	5813.23	ND	DRY		DRY
MW-18	05/19/18	5813.23	ND	35.30		5777.93
MW-18	10/29/18	5813.23	ND	34.82		5778.41
MW-18	05/20/19	5813.23	ND	34.91		5778.32
MW-18	11/11/19	5813.23	ND	35.75		5777.48
MW-18	05/16/20	5813.23	ND	35.39		5777.84
MW-18	11/15/20	5813.23	ND	35.78		5777.45
MW-18	05/23/21	5813.23	ND	35.46		5777.77
MW-18	08/28/21	5813.23	ND	37.24		5775.99
MW-18	11/13/21	5813.23	ND	36.23		5777.00
MW-18	05/18/22	5813.23	ND	35.70		5777.53
MW-18	11/03/22	5813.23	ND	37.01		5776.22
MW-18	05/18/23	5813.23	ND	36.15		5777.08
MW-18	11/15/23	5813.23	ND	37.42		5775.81
SVE-1	10/29/18	5807.05	ND	22.55		5784.50
SVE-1	05/20/19	5807.05	ND	22.95		5784.10
SVE-1	11/11/19	5807.05	ND	22.90		5784.15
SVE-1	05/16/20	5807.05	ND	22.94		5784.11
SVE-1	11/15/20	5807.05	ND	22.95		5784.10
SVE-1	05/23/21	5807.05	ND	22.98		5784.07
SVE-1	08/28/21	5807.05	ND	22.98		5784.07
SVE-1	11/13/21	5807.05	ND	22.95		5784.10

TABLE 3 - GROUNDWATER ELEVATION RESULTS

James F. Bell #1E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
SVE-1	05/18/22	5807.05	ND	22.93		5784.12
SVE-1	11/03/22	5807.05	ND	22.93		5784.12
SVE-1	05/18/23	5807.05	ND	22.93		5784.12
SVE-1	11/15/23	5807.05	ND	22.93		5784.12

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

FIGURES



N

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/17/2021	SAH	SAH	SRV

TITLE

SITE LOCATION

Stantec

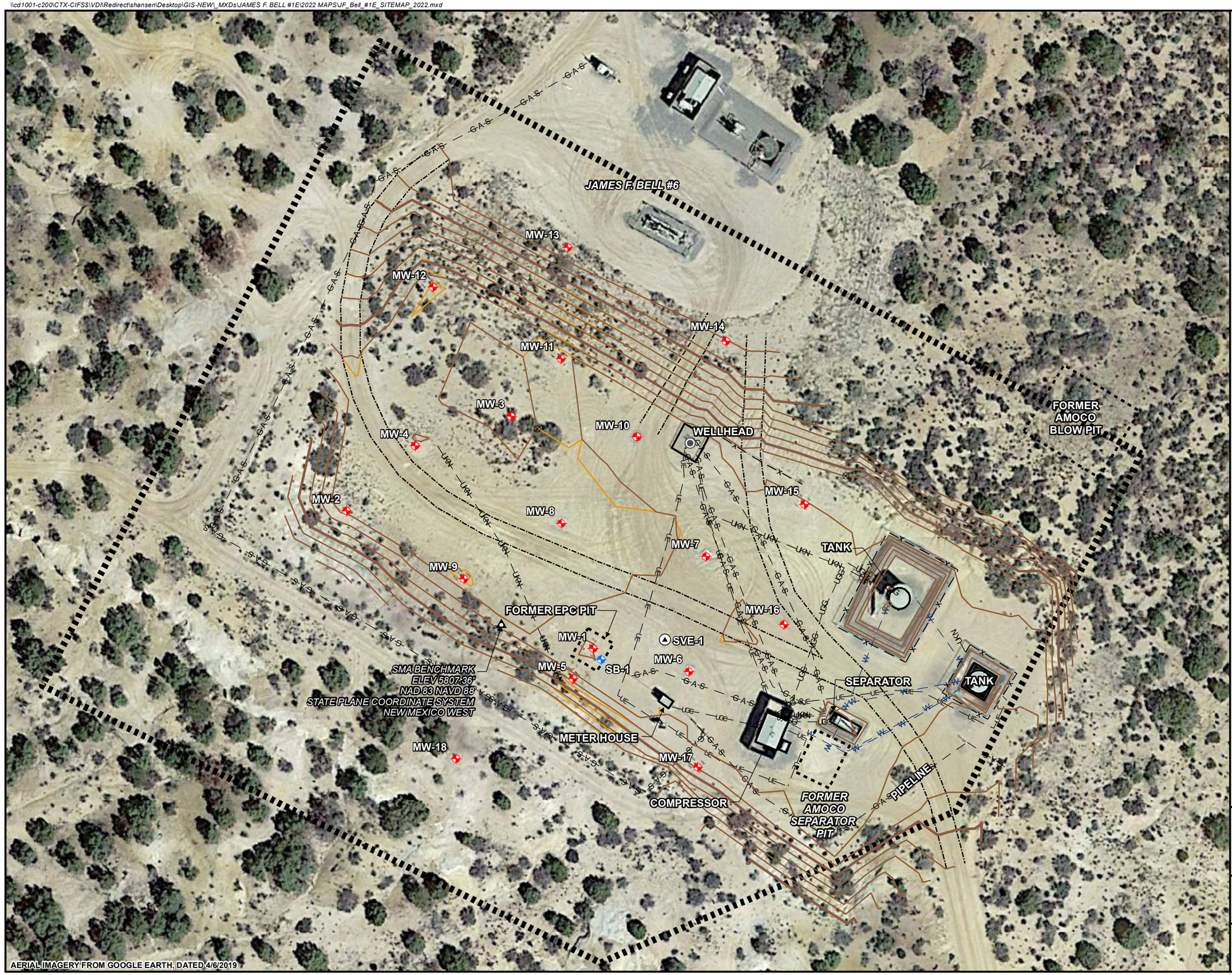
PROJECT

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE

1

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JAMES F. BELL #1E\2022 MAPS\JF_Bell_#1E_SITEMAP_2022.mxd



LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED JULY 2013.
- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED NOVEMBER 2017.
- ACCESS ROAD
- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UGC UNDERGROUND CABLE
- UKN UNKNOWN BURIED LINE
- MONITORING WELL
- SOIL BORING
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK
- RIGHT OF WAY BOUNDARY

N

SCALE IN FEET

0 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-02-07	SLG	SLG	SRV

TITLE:

SITE PLAN

PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JAMES F. BELL #1E\2023 MAPS\JF_Bell_#1E_GARM_1SA_2023.mxd

JAMES F. BELL #6

MW-13
MW-13
B: <1.0
T: <1.0
E: 1.7
X: <10

MW-12
MW-12
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-14
MW-14
B: <1.0
T: <1.0
E: <1.0
X: <10

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

MW-11
MW-11
NS

MW-3
MW-3
NS

MW-4
MW-4
NS

MW-10
MW-10
NS

WELLHEAD

MW-15
MW-15
B: 3.8
T: <1.0
E: 5.2
X: <10

FORMER AMOCO BLOW PIT

MW-2
MW-2
NS

MW-8
MW-8
NS

MW-7
MW-7
B: 210
T: <20
E: 300
X: 2300

TANK

MW-9
MW-9
NS

MW-16
MW-16
B: 3.6
T: <1.0
E: <1.0
X: <10

FORMER EPC PIT

SVE-1
SVE-1
NS

MW-1
MW-1
NS

MW-6
MW-6
B: 180
T: <5.0
E: 24
X: 890

MW-5
MW-5
B: 19
T: <1.0
E: <1.0
X: <10

SMA BENCHMARK
ELEV 5807.36'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

SEPARATOR

TANK

METER HOUSE

MW-17
MW-17
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-18
MW-18
B: <1.0
T: <1.0
E: <1.0
X: <10

COMPRESSOR

FORMER AMOCO SEPARATOR PIT

PIPELINE

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED JULY 2013.
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- ACCESS ROAD
- FENCE
- GAS — NATURAL GAS LINE
- PW — PRODUCED WATER LINE
- UGC — UNDERGROUND CABLE
- UKN — UNKNOWN BURIED LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-29	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 18, 2023

PROJECT:
JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

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Figure No.: 3

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JAMES F. BELL #1E\2023 MAPS\JF_Bell_#1E_GECM_1SA_2023.mxd

JAMES F. BELL #6

MW-12
5778.89
MW-12

MW-13
MW-13
5781.03

MW-14
5779.05
MW-14

MW-11
MW-11
5781.11

MW-3
5781.19
MW-3

MW-4
5782.23
MW-4

MW-10
MW-10
5781.90

WELLHEAD

MW-15
5781.82
MW-15

MW-2
MW-2
5782.01

MW-8
MW-8
5781.77

MW-7
MW-7
5781.89

TANK

MW-9
MW-9
5775.34*

FORMER EPC PIT

MW-1
5781.88
MW-1

SVE-1

MW-16
MW-16
5782.32

SMA BENCHMARK
ELEV 5807.36'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

MW-5
MW-5
5777.42*

MW-6
MW-6
5784.98

SEPARATOR

TANK

FORMER AMOCO BLOW PIT

METER HOUSE

MW-18
MW-18
5777.08*

MW-17
5785.23
MW-17

FORMER AMOCO SEPARATOR PIT

PIPELINE

COMPRESSOR

5782
5783
5784
5785

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED JULY 2013.
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- UKN — UNKNOWN BURIED LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK

NOTES:

5785.23 GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

5788 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 1 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

GROUNDWATER ELEVATION APPEARS ANOMALOUS AND WAS NOT USED TO PREPARE GROUNDWATER ELEVATION CONTOURS

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-12-18	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 18, 2023

PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **4**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JAMES F. BELL #1E\2023 MAPS\JF_Bell_#1E_GARM_2SA_2023.mxd

JAMES F. BELL #6

MW-13
MW-13 B: <1.0 T: <1.0 E: 7.6 X: <10
DUP-01 B: <1.0 T: <1.0 E: 6.7 X: <10
MW-12
MW-12 B: <1.0 T: <1.0 E: <1.0 X: <10
MW-14
MW-14 B: 2.7 T: <1.0 E: <1.0 X: <10
MW-11
MW-11 NS
MW-4
MW-4 B: <1.0 T: <1.0 E: <1.0 X: <10
MW-3
MW-3 B: 15 T: 7.3 E: 370 X: 210
MW-10
MW-10 NS
WELLHEAD
MW-15
MW-15 B: 3.2 T: <1.0 E: 15 X: <10
FORMER AMOCO BLOW PIT
MW-2
MW-2 B: <1.0 T: <1.0 E: <1.0 X: <10
MW-8
MW-8 NS
MW-9
MW-9 B: <1.0 T: <1.0 E: <1.0 X: <10
MW-7
MW-7 NS
TANK
MW-16
MW-16 B: <1.0 T: <1.0 E: <1.0 X: <10
FORMER EPC PIT
SVE-1
SVE-1 NS
MW-1
MW-1 NS
MW-6
MW-6 B: 160 T: <5.0 E: 46 X: 710
MW-5
MW-5 B: 12 T: 1.9 E: <1.0 X: <10
SEPARATOR
TANK
SMA BENCHMARK
ELEV 5807.36'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST
MW-17
MW-17 B: 1.3 T: <1.0 E: 2.0 X: <10
METER HOUSE
MW-18
MW-18 B: <1.0 T: <1.0 E: <1.0 X: <10
COMPRESSOR
FORMER AMOCO SEPARATOR PIT
PIPELINE

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED JULY 2013.
- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED NOVEMBER 2017.
- ACCESS ROAD
- FENCE
- GAS — NATURAL GAS LINE
- PW — PRODUCED WATER LINE
- UGC — UNDERGROUND CABLE
- UKN — UNKNOWN BURIED LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-29	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS NOVEMBER 15, 2023

PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 5

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JAMES F. BELL #1E\2023 MAPS\JF_Bell_#1E_GECM_2SA_2023.mxd

JAMES F. BELL #6

MW-12 5782.00
MW-12
MW-13 5781.30
MW-13
MW-14 5782.03
MW-14
MW-11 5781.44
MW-11
MW-3 5781.49
MW-3
MW-4 5782.57
MW-4
MW-10 5782.09
MW-10
WELLHEAD
MW-15 5782.55
MW-15
MW-2 5782.48
MW-2
MW-8 5783.05
MW-8
MW-7 5782.74
MW-7
TANK
MW-9 5778.25*
MW-9
MW-1 5782.82
MW-1
FORMER EPC PIT
MW-16 5784.25
MW-16
SVE-1
SMA BENCHMARK
ELEV 5807.36'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST
MW-5 5781.38*
MW-5
MW-6 5785.11
MW-6
SEPARATOR
TANK
FORMER AMOCO BLOW PIT
MW-18 5775.81*
MW-18
METER HOUSE
MW-17 5785.61
MW-17
FORMER AMOCO SEPARATOR PIT
PIPELINE
COMPRESSOR
5782
5783
5784
5785

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND:

- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED JULY 2013.
- 5805 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET SURVEY COMPLETED NOVEMBER 2017.
- ACCESS ROAD
- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UNDERGROUND CABLE
- UNKNOWN BURIED LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK

NOTES:

5785.11 GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

5788 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 1 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

GROUNDWATER ELEVATION APPEARS ANOMALOUS AND WAS NOT USED TO PREPARE GROUNDWATER ELEVATION CONTOURS

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-12-19	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 15, 2023

PROJECT:

JAMES F. BELL #1E
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A

Site History

JF Bell #1E
Site History
San Juan River Basin, New Mexico

Date	Source (Regulatory File #)	Event/Action	Description/Comments
1/19/1983	API # 30-045-25613	Application for Permit to Drill	Operator shown as Amoco Production Company. NMOCD approved 3/4/1983.
4/8/1983	API # 30-045-25613	Sundry Notice	Gas well. Notice regarding spudding (3/13/1983) and settng casing.
1/11/1995	API # 30-045-25613	Amoco Pit Remediation and Closure Report (Blow Pit)	Remediation of blow down pit started/completed on 5/19/1994. Contamination was "remediated by dilution and aeration".
1/11/1995	API # 30-045-25613	Amoco Pit Remediation and Closure Report (Separator Pit)	Remediation of separator pit started/completed on 5/19/1994. Contamination was "remediated by dilution and aeration". Note on document indicates additional remediation is needed.
9/16/1995	Unknown	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	Unknown	EPFS Addendum to the Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Amends work plan for include installation of additional wells for delienation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	Unknown	NMOCD approval of the Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
6/2/1997	nAUTOfAB000291 (Case # 3RP-196)	Semi-annual EPFS Pit Projects Groundwater Report	Lists pits where groundwater was encountered.
8/6/1997	nAUTOfAB000291 (Case # 3RP-196)	NMOCD review letter	Approves modifying reporting schedule from semi-annual to annual basis
11/18/1997	API # 30-045-25613	Blagg Field Report - Landfarm/Compost Pile Closure Verification (for EPFS)	Blagg Engineering Inc. report of pit excavation material composite sampling results.

JF Bell #1E
Site History
San Juan River Basin, New Mexico

12/1/1997	API # 30-045-22294	Request for authorization to transport	Cross Timbers Production Company listed as operator
2/27/1998	nAUTOfAB000291 (Case # 3RP-196)	Philip Services Corp 1997 Annual Report (for EPFS)	Summarizes pit closure, installaiton of MW-1 through MW-4, LNAPL recovery and groundwater sampling.
7/8/1998	nAUTOfAB000291 (Case # 3RP-196)	NMOCD review letter for 1997 Annual Groundwater Report (EPFS)	NMOCD requires EPFS install additional monitoring wells to determine the extent of ground water contamination.
3/31/1999	nAUTOfAB000291 (Case # 3RP-196)	Philip Services Corp 1998 Annual Report (for EPFS)	Quarterly groundwater monitoring. LNAPL recovery at MW-1.
7/28/1999	nAUTOfAB000291 (Case # 3RP-196)	NMOCD review letter for 1998 Annual Groundwater Report (EPFS)	NMOCD requires EPFS install additional monitoring wells to determine the extent of ground water contamination.
3/24/2000	nAUTOfAB000291 (Case # 3RP-196)	Philip Services Corp 1999 Annual Report (for EPFS)	LNAPL recovery at MW-1.
2/26/2001	nAUTOfAB000291 (Case # 3RP-196)	Philip Services Corp 2000 Annual Report (for EPFS)	LNAPL recovery at MW-1. Annual groundwater monitoring.
5/23/2001	API # 30-045-25613	Change of Operator Name	Operator name changed from Cross Timbers Operating Company to XTO Energy Inc Effective 6/1/2001.
7/18/2001	nAUTOfAB000291 (Case # 3RP-196)	NMOCD review letter for 2000 Annual Groundwater Report (EPFS)	NMOCD requires EPFS install additional monitoring wells to determine the extent of ground water contamination.
2/28/2002	nAUTOfAB000291 (Case # 3RP-196)	MWH 2001 Annual Report (for EPFS)	Annual groundwater monitoring.
2/28/2003	nAUTOfAB000291 (Case # 3RP-196)	MWH 2002 Annual Report (for EPFS)	LNAPL recovery and annual groundwater sampling.
4/3/2003	nAUTOfAB000291 (Case # 3RP-196)	NMOCD review letter for 2002 Annual Report	NMOCD requires EPFS install additional monitoring wells to determine the extent of ground water contamination.
2/26/2004	nAUTOfAB000291 (Case # 3RP-196)	MWH 2003 Annual Report (for EPFS)	LNAPL recovery and annual groundwater sampling.

JF Bell #1E
Site History
San Juan River Basin, New Mexico

2/21/2005	nAUTOfAB000291 (Case # 3RP-196)	MWH 2004 Annual Report (for EPFS)	Monthly LNAPL recovery and annual groundwater sampling.
3/2/2006	nAUTOfAB000291 (Case # 3RP-196)	MWH 2005 Annual Report (for EPFS)	Monthly LNAPL recovery and annual groundwater sampling.
2/16/2007	nAUTOfAB000291 (Case # 3RP-196)	MWH 2006 Annual Report (for EPFS)	Annual groundwater monitoring.
4/2/2008	nAUTOfAB000291 (Case # 3RP-196)	MWH 2007 Annual Report (for EPTPC)	Annual groundwater monitoring.
2/28/2009	nAUTOfAB000291 (Case # 3RP-196)	MWH 2008 Annual Groundwater Report (for EPTPC)	Annual groundwater monitoring.
4/16/2010	nAUTOfAB000291 (Case # 3RP-196)	MWH 2009 Annual Report (for EPTPC)	Annual groundwater monitoring.
3/2/2011	nAUTOfAB000291 (Case # 3RP-196)	MWH 2010 Annual Report (for EPTPC)	Quarterly LNAPL recovery and annual groundwater sampling.
8/16/2012	nAUTOfAB000291 (Case # 3RP-196)	MWH 2011 Annual Report (for EPCGP)	Quarterly LNAPL recovery and annual groundwater sampling.
2/28/2014	nAUTOfAB000291 (Case # 3RP-196)	MWH 2013 Annual Report (for EPCGP)	Semi-annual groundwater monitoring and LNAPL recovery.
2/3/2015	nAUTOfAB000291 (Case # 3RP-196)	MWH 2014 Annual Report (for EPCGP)	Semi-annual groundwater monitoring. LNAPL recovery from MW-1. ROW being sought from BLM.
2/16/2016	nAUTOfAB000291 (Case # 3RP-196)	Stantec 2015 Annual Report (for EPCGP)	Semi-annual groundwater monitoring and LNAPL recovery.
6/23/2016	Not in NMOCD files	Stantec work plan for monitoring well installations	Propose 8 additional monitoring wells and advance one soil boring.
3/20/2017	nAUTOfAB000291 (Case # 3RP-196)	Stantec 2016 Annual Report (for EPCGP)	Monitoring wells MW-5 through MW-12 advanced, and SB-1 advanced in former pit. LNAPL recovery and MDPE event and semi-annual groundwater monitoring.
6/2/2017	nAUTOfAB000291 (Case # 3RP-196)	NMOCD review letter for 2016 Annual Report	Remediation plan requested.
6/29/2017	nAUTOfAB000291 (Case # 3RP-196)	Stantec Work Plan for LNAPL Recovery	MDPE activities proposed.
7/5/2017	nAUTOfAB000291 (Case # 3RP-196)	NMOCD approval letter for 6/29/2017 LNAPL Recovery Work Plan	Approval of Work Plan for MDPE.
7/19/2017	nAUTOfAB000291 (Case # 3RP-196)	Stantec Response letter from EPCGP to NMOCD	Additional monitoring wells planned to better delineate groundwater plume.
10/5/2017	nAUTOfAB000291 (Case # 3RP-196)	Stantec 2017 Monitoring Well Installation Work Plan (for EPCGP)	Six additional monitoring wells (MW-13 through MW-18) proposed.

JF Bell #1E
Site History
San Juan River Basin, New Mexico

11/15/2017	nAUTOfAB000291 (Case # 3RP-196)	NMOCD approval letter for 10/15/2017 Work Plan	Monitoring well installation work plan approved.
3/29/2018	nAUTOfAB000291 (Case # 3RP-196)	Stantec 2017 Annual Report (for EPCGP)	Six monitoring wells (MW-13, MW-14, MW-15, MW-16, MW-17, and MW-18) installed, MDPE events, LNAPL recovery, semi-annual groundwater sampling.
6/12/2018	Not in NMOCD files	Stantec Work Plan (for EPCGP)	One SVE well is proposed for for feasibility testing.
6/21/2018	API # 30-045-25613	Change of Operator	Operator changed from XTO Energy Inc. to Hilcorp Energy Company.
3/29/2019	Not in NMOCD files	Stantec 2018 Annual Report (for EPCGP)	SVE-1 installed and tested; MDPE events; injection feasibility tests; LNAPL recovery and semi-annual groundwater sampling.
4/1/2020	Not in NMOCD files	Stantec 2019 Annual Report (for EPCGP)	Semi-annual groundwater monitoring activities. LNAPL manual recovery.
8/23/2021	nAUTOfAB000291	Stantec Work Plan LNAPL Recovery (for EPCGP)	Work Plan for MDPE events and manual LNAPL recovery.
4/8/2021	nAUTOfAB000291	Stantec 2020 Annual Report (for EPCGP)	Semi-annual groundwater monitoring activities. Quarterly LNAPL recovery.
3/30/2022	nAUTOfAB000291	Stantec 2021 Annual Report (for EPCGP)	Semi-annual groundwater sampling, MDPE event and quarterly LNAPL recovery.
3/28/2023	nAUTOfAB000291	Stantec 2022 Annual Report (for EPCGP)	Semi-annual groundwater sampling. Quarterly LNAPL recovery.

APPENDIX B

NMOCD Notification of Site Activities

From: Mitch Killough
To: Varsa, Steve; Clara Cardoza
Subject: RE: [EXTERNAL] Notice of upcoming El Paso CGP work
Date: Thursday, August 17, 2023 3:12:37 PM

Hi Steve. I let the Area foremen know. Thanks for the heads up.

Mitch Killough
Hilcorp Energy Company
713-757-5247 (Office)
281-851-2338 (Mobile)

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Wednesday, August 16, 2023 7:17 PM
To: Mitch Killough <mkillough@hilcorp.com>; Clara Cardoza <ccardoza@hilcorp.com>
Subject: [EXTERNAL] Notice of upcoming El Paso CGP work

Hi Mitch and Carla – just a heads-up that we will be doing activities at the following sites:

Fogelson #4-1 – routine free product recovery: 8/31/2023
James F. Bell #1E – mobile dual-phase extraction: 8/23, 24, and 25/2023
Johnston Federal #4 – routine free product recovery: 8/30/2023
Johnston Federal #6A – routine groundwater sampling: 8/30/2023
State Gas Com N#1 – routine free product recovery: 8/29/2023

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Wednesday, August 16, 2023 1:56:00 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	8/27/2023
Fields A#7A	nAUTOfAB000176	8/30/2023
Fogelson 4-1	nAUTOfAB000192	8/31/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	8/31/2023
James F. Bell #1E	nAUTOfAB000291	8/25/2023
Johnston Fed #4	nAUTOfAB000305	8/30/2023
K27 LDO72	nAUTOfAB000316	8/31/2023
State Gas Com N #1	nAUTOfAB000668	8/29/2023

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: James F. Bell #1E site (nAUTOfAB000291) - notice of upcoming activities
Date: Wednesday, August 16, 2023 1:01:00 PM
Attachments: 2017-06 Ltr Bayliss-2017 MDPE Work Plan (JF Bell).pdf

---

Hi Nelson – on behalf of El Paso CGP Company, Stantec is planning to complete product recovery activities using mobile dual-phase extraction (MDPE) methods at the subject site on August 23, 24, and 25, 2023. With the exception of adding one additional extraction well (monitoring well MW-11), and the event duration (1 day per well, 10-hour events), the MDPE methods to be utilized are anticipated to be the same as outlined in the attached work plan, previously submitted to the NMOCD. The results of the LNAPL recovery activities will be included in the 2023 annual report for the Site.

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

From: Varsa, Steve
To: Mitch Killough; ccardoza@hilcorp.com
Subject: Notice of upcoming El Paso CGP work
Date: Wednesday, March 22, 2023 10:17:39 PM

Hi Mitch and Carla – just a heads up that we will be doing routine gauging and product recovery and/or groundwater sampling activities at the following sites:

Fogelson #4-1: 3/29/2023
James F. Bell #1E: 3/29/2023
Johnston Federal #4: 3/30/2023
Johnston Federal #6A: 3/30/2023
State Gas Com N#1: 3/29/2023

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Subject: FW: El Paso CGP Company - Notice of upcoming product recovery activities
Date: Wednesday, March 22, 2023 9:51:09 PM

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Wednesday, March 22, 2023 9:33 PM
To: nelson.valez@state.nm
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Wiley, Joe <joe_wiley@kindermorgan.com>
Subject: El Paso CGP Company - Notice of upcoming product recovery activities

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	3/28/2023
Fields A#7A	nAUTOfAB000176	3/29/2023
Fogelson 4-1	nAUTOfAB000192	3/29/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	3/28/2023
James F. Bell #1E	nAUTOfAB000291	3/29/2023
Johnston Fed #4	nAUTOfAB000305	3/30/2023
K27 LDO72	nAUTOfAB000316	3/28/2023
Lateral L-40	nAUTOfAB000335	3/29/2023
State Gas Com N #1	nAUTOfAB000668	3/29/2023

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

From: Varsa, Steve
To: Mitch Killough; ccardoza@hilcorp.com
Subject: Notice of upcoming El Paso CGP work
Date: Friday, May 12, 2023 10:52:01 PM

Hi Mitch and Carla – just a heads up that we will be doing routine groundwater sampling activities at the following sites:

Fogelson #4-1: 5/18/2023
James F. Bell #1E: 5/18/2023
Johnston Federal #4: 5/19/2023
Johnston Federal #6A: 5/19/2023
Standard Oil Com #1: 5/20/2023
State Gas Com N#1: 5/22/2023

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Friday, May 12, 2023 9:54:16 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	5/20/2023
Fields A#7A	nAUTOfAB000176	5/21/2023
Fogelson 4-1	nAUTOfAB000192	5/18/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/17/2023
GCU Com A #142E	nAUTOfAB000219	5/21/2023
James F. Bell #1E	nAUTOfAB000291	5/18/2023
Johnston Fed #4	nAUTOfAB000305	5/19/2023
Johnston Fed #6A	nAUTOfAB000309	5/19/2023
K27 LDO72	nAUTOfAB000316	5/20/2023
Knight #1	nAUTOfAB000324	5/17/2023
Lateral L 40 Line Drip	nAUTOfAB000335	5/21/2023
Sandoval GC A #1A	nAUTOfAB000635	5/19/2023
Standard Oil Com #1	nAUTOfAB000666	5/20/2023
State Gas Com N #1	nAUTOfAB000668	5/22/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Wednesday, May 17, 2023.

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

From: Varsa, Steve
To: Mitch Killough; ccardoza@hilcorp.com
Subject: Notice of upcoming El Paso CGP work
Date: Thursday, November 2, 2023 6:45:57 AM

Hi Mitch and Carla – just a heads up that we will be doing routine groundwater sampling activities at the following sites:

Fogelson #4-1: 11/8/2023
James F. Bell #1E: 11/15/2023
Johnston Federal #4: 11/11/2023
Johnston Federal #6A: 11/11/2023
Standard Oil Com #1: 11/12/2023
State Gas Com N#1: 11/10/2023

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 2, 2023 6:17:33 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	11/12/2023
Fields A#7A	nAUTOfAB000176	11/15/2023
Fogelson 4-1	nAUTOfAB000192	11/8/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/9/2023
GCU Com A #142E	nAUTOfAB000219	11/9/2023
James F. Bell #1E	nAUTOfAB000291	11/15/2023
Johnston Fed #4	nAUTOfAB000305	11/11/2023
Johnston Fed #6A	nAUTOfAB000309	11/11/2023
K27 LDO72	nAUTOfAB000316	11/12/2023
Knight #1	nAUTOfAB000324	11/7/2023
Lateral L 40 Line Drip	nAUTOfAB000335	11/16/2023
Sandoval GC A #1A	nAUTOfAB000635	11/11/2023
Standard Oil Com #1	nAUTOfAB000666	11/12/2023
State Gas Com N #1	nAUTOfAB000668	11/10/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Tuesday, November 7, 2023.

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 C

Waste Disposal Documentation

envirotech

Bill of Lading

MANIFEST # 79427
GENERATOR Kinder Morgan (Picked up from)
POINT OF ORIGIN Rio Vista Comp Station *
TRANSPORTER Envirotech
DATE 5/22/2023 JOB # 14073-0073

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	Contaminated Water				1		992/705	1550	
						1				
									SCANNED	

RESULTS		
-251	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
Pass	PAINT FILTER TEST	1

LANDFARM EMPLOYEE

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

NOTES
* From San Juan River Plant, Blanco N. Flare, and numerous pit sites.

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 Sean Cleary Phone (515) 557-0109

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SAN JUAN PRINTING 2021 407-3

envirotech BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023 TIME 1550

CUSTOMER Kinder Morgan

SITE Rio Vista Comp Station SJ River Plant Blanco N Plant Aluminous Pits Sites

DRIVER [redacted]

SAMPLE Soil Straight _____ With Dirt ✓

CHLORIDE TEST -281 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 1550 Time completed 1600

PASS YES ✓ NO _____

SAMPLER/ANALYST [redacted]

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

Bill of Lading

MANIFEST # 78476
GENERATOR Kinder morgan
POINT OF ORIGIN ELPaso pit sites
TRANSPORTER Envirotech
DATE 03/31/23 JOB # 14073-0073

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	Tankbottoms			1			991	1130	byGayR
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-251	CHLORIDE TEST	1	Cay Robinson	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**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.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 78476

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 03/31/23 TIME 1130

Attach test strip here

CUSTOMER Kinder Morgan

SITE ELPaso Pit Sites

DRIVER by Gary Robinson

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 281 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1130 Time completed 1142

PASS YES X NO _____

SAMPLER/ANALYST Cory Robinson

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envirotech

Bill of Lading

MANIFEST # 80964
GENERATOR El Paso
POINT OF ORIGIN James F Bell #1E
TRANSPORTER Envirotech
DATE 8/26/2023 JOB # 14073-0080

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	Contaminated Water		-	2			992	0750	
					/2					
							Bill 2 hrs	callout		

RESULTS		
-272	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
Pass	PAINT FILTER TEST	1

LANDFARM EMPLOYEE

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

NOTES Dove & Out @ 0900

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 _____

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envirotech

BOL# 80964

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 8/26/2023 TIME 0750

CUSTOMER El Paso

SITE James F Bell #1E

DRIVER Colton John

SAMPLE Soil Straight ✓ With Dirt _____

CHLORIDE TEST -272 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 0750 Time completed 0800

PASS YES ✓ NO _____

SAMPLER/ANALYST _____

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

Bill of Lading

MANIFEST # 82577
GENERATOR El Paso
POINT OF ORIGIN See the C-138 for list of sites
TRANSPORTER Envirotech
DATE 11/16/23 JOB # 14073-0081

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	B'F	Tank bottoms			1	—	—	725	1430	
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-272	CHLORIDE TEST	1		
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**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.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 82577

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

CUSTOMER El Paso

SITE See Bol 82577

DRIVER Stoven by Gomez

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1430 Time completed 1441

PASS YES X NO _____

SAMPLER/ANALYST _____

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

APPENDIX D

AcuVac Report on MDPE Events

AcuVac Remediation

September 29, 2023

Mr. Stephen Varsa
Principal Hydrogeologist
Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, IA 50322

Dear Steve:

Re: James F. Bell #1E, San Juan County, NM (Event #7)

At your request, AcuVac Remediation, LLC (AcuVac) performed Mobile Dual Phase Extraction (MDPE) events as outlined in the table below.

Event Number	Extraction Well Number	Event Type	Event Duration (hrs.)	Date
#7A	MW-1	MDPE	9.0	08/23/2023
#7B	MW-8	MDPE	10.0	08/24/2023
#7C	MW-11	MDPE	10.0	08/25/2023

Six previous events have been completed at the site by AcuVac as summarized in the table on the following page.

Event Number	Extraction Well Number	Event Type	Event Duration (hrs.)	Dates
Event #1				
#1A	MW-1	MDPE	8.0	12/02/2016
#1B	MW-8	MDPE	8.0	12/03/2016
Event #2				
#2A	MW-1	MDPE	10.0	07/14/2017
#2B	MW-8	MDPE	10.0	07/14/2017
Event #3 and #4 (issued as single report)				
#3A	MW-1	MDPE	12.0	05/07/2018
#3B	MW-8	MDPE	12.0	05/08/2018
#4A	MW-1	MDPE	6.0	07/11/2018
#4B	MW-8	MDPE	6.0	07/11/2018
#4C	MW-1	MDPE	10.0	07/12/2018
#4D	MW-8	MDPE	10.0	07/12/2018
#1	SVE-1	SVE Step Test	4.0	07/11/2018
Event #5				
#5A	MW-1	MDPE	10.0	08/28/2021
#5B	MW-8	MDPE	10.0	08/29/2021
Event #6				
#6A	MW-1	MDPE	10.0	08/29/2022
#6B	MW-8	MDPE	10.0	08/30/2022

The following is the Report and a copy of the Operating Data collected during Events #7A, #7B and #7C. Additionally, the attached Table #1 contains the Summary Extraction Well Data for wells MW-1, MW-8 and MW-11, and Table #2 contains the Summary Recovery Data for wells MW-1, MW-8, and MW-11.

The purpose of the MDPE events was to enhance recovery of petroleum hydrocarbons impacts present at the Site through the removal of both Phase Separated Hydrocarbons (PSH) and vapor phase petroleum hydrocarbons. PSH is referred to as Light Non-Aqueous Phase Liquids (LNAPL). The source of the petroleum hydrocarbon impacts is a historical release of natural gas condensate.

OBJECTIVES

The objectives of the MDPE events were to:

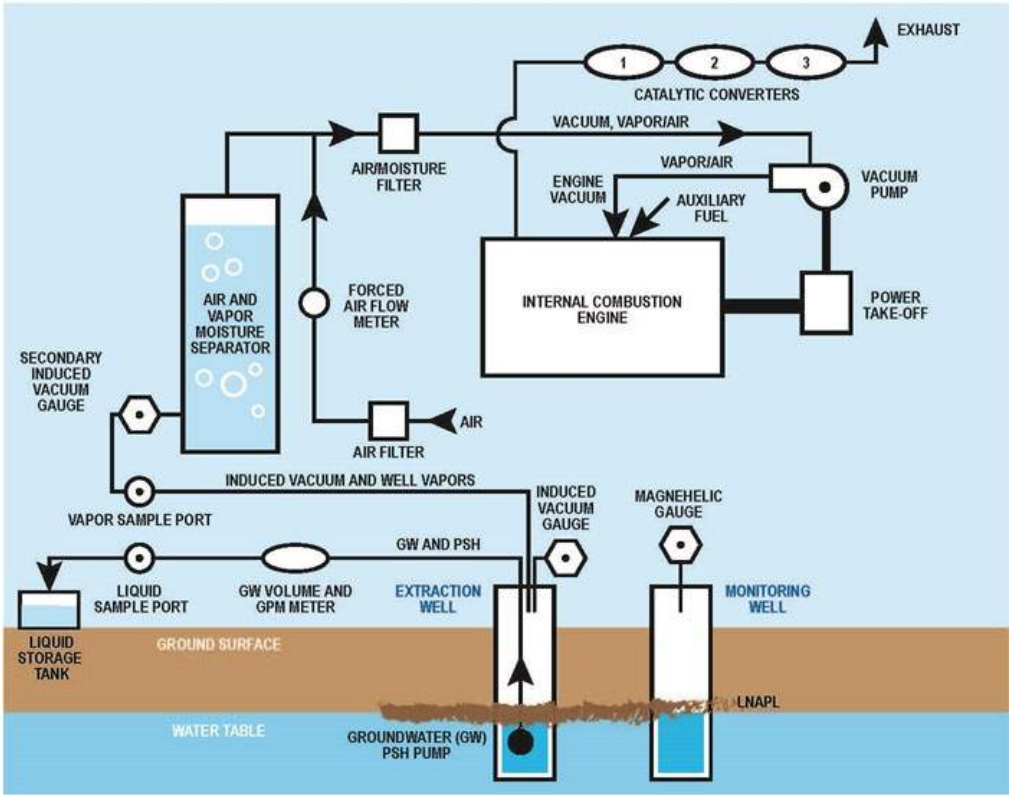
- Maximize the removal of liquid and vapor phase petroleum hydrocarbons from the groundwater and soils in the subsurface formations within the influence of the extraction well.
- Expose the capillary fringe area to an induced vacuum.
- Increase the liquid and vapor phase petroleum hydrocarbon specific yields with high induced vacuums.
- Create an induced hydraulic gradient to gain hydraulic control of the area surrounding the extraction well during the event periods.
- Create an induced vacuum in the extraction well and monitor vacuum influence in nearby monitoring points.

METHODS AND EQUIPMENT

AcuVac owns and maintains an inventory of equipment to perform MDPE events. No third-party equipment was utilized. The events at the Site were conducted using the AcuVac I-6 System (System) with a Roots RAI-33 blower, used as a vacuum pump, and a Roots RAI-22 positive displacement blower. The following table lists equipment and instrumentation employed during Event #7, and the data element captured by each.

Equipment and Instrumentation Employed by AcuVac	
Measurement Equipment	**Data Element**
Extraction Well Induced Vacuum and Flow	
Dwyer Magnehelic Gauges	Extraction Well Vacuum
Dwyer Averaging Pitot Tubes / Magnehelic Gauges	Extraction Well Vapor Flow
Observation Wells	
Dwyer Digital Manometer	Vacuum / Pressure Influence
Extraction Well Vapor Monitoring	
V-1 Vacuum Box	Extraction Well Non-Diluted Vapor Sample Collection
HORIBA® Analyzer	Extraction Well Vapor TPH Concentration
RKI 1200 O_2 Monitor	Extraction Well Vapor Oxygen Content
NAPL Thickness (if present)	
Solinst Interface Probe Model 122	Depth to NAPL and Depth to Groundwater
Liquid Recovery	
Totalizer Flow Meter	Liquid Flow and Total Volume
QED AP2 Plus Pneumatic Pump	In-Well Pumping
Air Compressor	In-Well Pumping
Groundwater Depression / Upwelling	
In-Situ Level Troll 700 Data Logger	Liquid Column in Extraction and Observation Wells
In-Situ Vented Cable with Chamber	Equalize Well Vacuum/Pressure
In-Situ Rugged Reader Data Logger Interface	Capture Readings from Data Logger Trolls
Atmospheric Conditions	
Testo Model 511	Relative and Absolute Barometric Pressure

THE ACUVAC SYSTEM



The vacuum extraction portion of the System consists of a vacuum pump driven by an internal combustion engine (IC engine). The vacuum pump connects to the extraction well, and the vacuum created on the extraction well causes light hydrocarbons in the soil and on the groundwater to volatilize and flow through a moisture knockout tank to the vacuum pump and the IC engine where they burn as part of the normal combustion process. Auxiliary propane powers the engine if the well vapors do not provide the required energy. The IC engine provides the power necessary to achieve and maintain high induced vacuums and/or high well vapor flows needed to maximize the vacuum radius of influence.

Emissions from the engine pass through three catalytic converters to maximize destruction of effluent hydrocarbon vapors. The engine's fuel-to-air ratio is adjusted to maintain efficient combustion. Because the engine powers all equipment, the System stops when the engine stops preventing an uncontrolled release of hydrocarbons. Since the System operates entirely under vacuum, any leaks in the seals or connections leak into the System and not the atmosphere. Vacuum loss, low oil pressure, over-speed, or overheating automatically shut down the engine.

Groundwater extraction was provided by an in-well, QED AP2+ bottom fill pneumatic pump that discharged through a total flow meter. The discharge line from the volume meter was then connected to the stand-by tank. A data logger (pressure transducer) was used to monitor the groundwater level relative to the in-well pump inlet. This enabled the AcuVac team to upwell the groundwater and then pump the well to achieve a targeted drawdown in order to maximize any LNAPL and vapor-phase hydrocarbon recovery from the smear zone. The compressed air for the groundwater pump was supplied from an air compressor. The groundwater flow rate was adjusted to maintain a target level. An interface meter was used to collect depth to groundwater and depth to LNAPL measurements. Groundwater samples were taken periodically in a graduated cylinder to determine the average LNAPL percentage being recovered.

The design of the AcuVac System enables independent control of both the induced well vacuum and the groundwater pumping functions such that the AcuVac team controls the induced hydraulic gradient to increase exposure of the formation to soil vapor extraction (SVE). The ability to separate the vapor and liquid flows within the extraction well improve the LNAPL recovery rates and enables the AcuVac team to record data specific to each media.

RECOVERY SUMMARY FOR MDPE EVENT #7

The Petroleum Hydrocarbon Recovery Summary Table below lists the total liquid and LNAPL recovery data for Event #7 compared with previous events.

Petroleum Hydrocarbon Recovery Summary					
		MW-1	MW-8	MW-11	
Event Number		Event #7A	Event #7B	Event #7C	Total
Event Date		08/23/2023	08/24/2023	08/25/2023	Event #7
Event Hours		9.0	10.0	10.0	30.0
Data Element					
Liquid Recovery	gals	9	11	120	140
Petroleum Hydrocarbon Recovery					
Liquid	gals	7.2(1)	0	42.0	49.2
Vapor	gals	7.7	10.7	2.6	21.0
Total	gals	14.9	10.7	44.6	70.2
Gallons/Hour	gals	**1.65**	**1.07**	**4.46**	**2.34**

(1) Includes 1.8 gals of LNAPL hand bailed after the conclusion of the event.

SUMMARY OF WELL MW-1 MDPE EVENT #7A

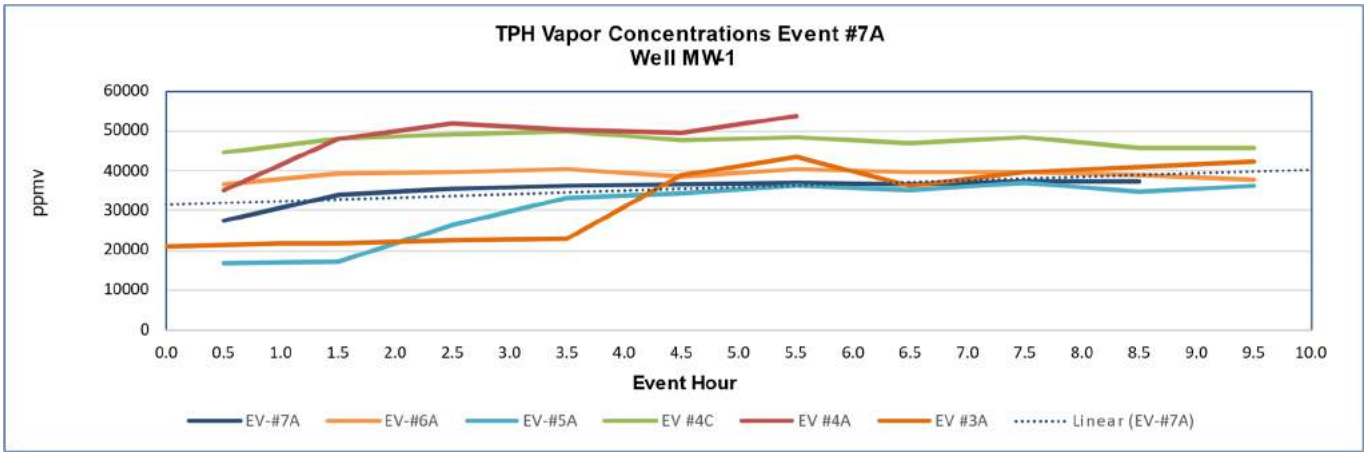
The Petroleum Hydrocarbon Recovery Summary Table below summarizes the total liquid and LNAPL recovery data for well MW-1 for all events.

Petroleum Hydrocarbon Recovery Summary Well MW-1							
Event Number		Event #7A	Event #6A	Event #5A	Event #4C	Event #4A	Event #3A
Event Date		08/23/2023	08/29/2022	08/28/2021	07/12/2018	07/11/2018	05/07/2018
Event Hours		9.0	10.0	10.0	10.0	6.0	12.0
Data Element							
Liquid Recovery	gals	9	11	13	41	35	63
Petroleum Hydrocarbon Recovery							
Liquid	gals	7.2	7.27	4.55	0	0	0
Vapor	gals	7.7	10.92	9.91	14.9	7.3	10.7
Total	gals	14.9	18.19	14.46	14.9	7.3	10.7
Gallons /Hour	gph	**1.65**	**1.82**	**1.45**	**1.49**	**1.21**	**0.89**

- Total vapor hydrocarbons burned as IC engine fuel are based on the HORIBA® data recorded in the Influent Vapor Data Table below. The HORIBA® analytical data from the influent vapor samples are compared with previous events from 2018 through 2023.

Influent Vapor Data Well MW-1							
Event Number		**Event #7A**	**Event #6A**	**Event #5A**	**Event #4C**	**Event #4A**	**Event #3A**
Event Date		**08/23/2023**	**08/29/2022**	**08/28/2021**	**07/12/2018**	**07/11/2018**	**05/07/2018**
Event Hours		**9.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
TPH- Maximum	ppmv	37,460	40,490	36,890	49,980	53,790	43,570
TPH- Average	ppmv	35,429	39,128	30,720	47,469	48,055	32,693
TPH- Minimum	ppmv	27,460	36,650	16,900	44,740	34,990	20,950
TPH- Initial	ppmv	27,460	36,650	16,900	44,740	34,990	20,950
TPH- Ending	ppmv	37,460	37,760	36,180	45,590	53,790	42,390
CO_2 - Average	%	5.21	4.42	3.93	5.14	6.61	0.90
O_2 - Average	%	5.2	5.6	10.5	15.8	14.5	14.5
H_2S - Average	ppm	0	0	0	0	0	0

- The TPH vapor concentrations from the influent vapor samples for from 2018 through 2023 for well MW-1 are presented in the following TPH Vapor Concentrations Graph for Event #7A.



- The extraction well induced vacuum and well vapor flow for Event #7A is compared with previous events from 2018 through 2023 on well MW-1 in the following table.

Well Vacuum and Well Vapor Flow Well MW-1							
Event Number		**Event #7A**	**Event #6A**	**Event #5A**	**Event #4C**	**Event #4A**	**Event #3A**
Event Date		**08/23/2023**	**08/29/2022**	**08/28/2021**	**07/12/2018**	**07/11/2018**	**05/07/2018**
Event Hours		**9.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Well Vacuum- Maximum	"H_2O	85.00	50.00	100.00	145.00	120.00	150.00
Well Vacuum- Average	"H_2O	82.89	49.05	75.24	137.62	120.00	123.40
Well Vacuum- Minimum	"H_2O	80.00	30.00	70.00	120.00	120.00	65.00
Well Vapor Flow- Maximum	scfm	11.48	13.21	16.47	15.06	12.14	16.15
Well Vapor Flow- Average	scfm	11.14	12.91	14.92	14.50	11.64	12.63
Well Vapor Flow- Minimum	scfm	10.77	8.56	14.74	11.84	11.42	5.30

- Depth to groundwater, depth to LNAPL, and LNAPL thickness at the start and end of Event #7A is compared with previous events from 2018 through 2023 on well MW-1 in the following table.

LNAPL Thickness MW-1							
Event Number		**Event #7A**	**Event #6A**	**Event #5A**	**Event #4C**	**Event #4A**	**Event #3A**
Event Date		**08/23/2023**	**08/29/2022**	**08/28/2021**	**07/12/2018**	**07/11/2018**	**05/07/2018**
Event Hours		**9.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Start of Event							
Depth to LNAPL	ft BTOC	28.45	28.48	28.03	27.22	26.72	26.58
Depth to Groundwater	ft BTOC	30.59	30.16	29.39	27.25	26.86	26.67
LNAPL Thickness	ft	2.14	1.68	1.36	0.03	0.14	0.09
End of Event							
Depth to LNAPL	ft BTOC	29.59	30.88	31.38	ND	ND	ND
Depth to Groundwater	ft BTOC	31.15	31.44	31.90	45.51	29.85	31.36
LNAPL Thickness	ft	1.59	0.56	0.52	ND	ND	ND

ND- Not detected

- The maximum and average groundwater pump rates for Event #7A compared to previous events from 2018 through 2023 are shown in the following table.

Groundwater Pump Data Well MW-1							
Event Number		**Event #7A**	**Event #6A**	**Event #5A**	**Event #4C**	**Event #4A**	**Event #3A**
Event Date		**08/23/2023**	**08/29/2022**	**08/28/2021**	**07/12/2018**	**07/11/2018**	**05/07/2018**
Event Hours		**9.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Maximum GW Pump Rate	gpm	0.07	0.08	0.10	0.40	0.30	0.70
Average GW Pump Rate	gpm	0.02	0.02	0.02	0.09	0.10	0.09

SUMMARY OF WELL MW-8 MDPE EVENT #7B

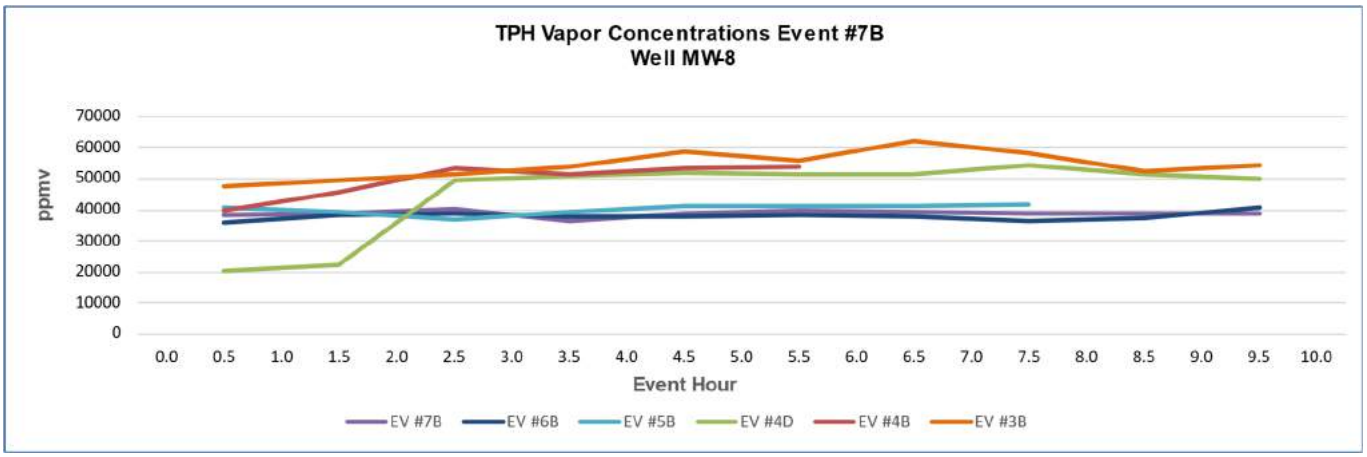
The Petroleum Hydrocarbon Recovery Summary Table below lists the total liquid and LNAPL recovery data for Well MW-8 for events from 2018 through 2023.

Petroleum Hydrocarbon Recovery Summary Well MW-8							
Event Number		**Event #7B**	**Event #6B**	**Event #5B**	**Event #4D**	**Event #4B**	**Event #3B**
Event Date		**08/24/2023**	**08/30/2022**	**08/29/2021**	**07/12/2018**	**07/11/2018**	**05/08/2018**
Event Hours		**10.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Liquid Recovery		11	7	22	65	64	110
LNAPL Recovery							
Liquid	gals	0	3.50	9.44	0	0	0.1
Vapor	gals	10.7	9.41	9.79	8.9	5.5	9.8
Total	gals	10.7	12.91	19.23	8.9	5.5	9.9
Gallons /Hour	gph	**1.07**	**1.29**	**1.92**	**0.89**	**0.92**	**0.82**

- Total vapor hydrocarbons burned as IC engine fuel are based on the HORIBA® data recorded in the following Influent Vapor Data Table. The HORIBA® analytical data from the influent vapor samples are compared with previous events on well MW-8.

Influent Vapor Data Well MW-8							
Event Number		**Event #7B**	**Event #6B**	**Event #5B**	**Event #4D**	**Event #4B**	**Event #3B**
Event Date		**08/24/2023**	**08/30/2022**	**08/29/2021**	**07/12/2018**	**07/11/2018**	**05/08/2018**
Event Hours		**10.0**	**10.0**	**6.0**	**12.0**	**72.0**	**8.0**
Data Element							
TPH- Maximum	ppmv	40,120	40,650	41,650	54,310	53,790	53,810
TPH- Average	ppmv	38,818	37,944	40,304	45,319	49,588	50,570
TPH- Minimum	ppmv	36,410	35,870	36,680	20,480	39,790	47,380
TPH- Initial	ppmv	38,420	35,870	40,810	20,480	39,990	47,380
TPH- Ending	ppmv	38,660	40,650	40,990	49,950	53,790	59,630
CO_2 - Average	%	2.43	3.72	3.40	4.04	4.68	2.55
O_2 - Average	%	7.0	4.9	6.1	15.4	13.2	14.9
H_2S - Average	ppm	0	0	0	0	0	0

- The TPH vapor concentrations from the influent vapor samples for events from 2018 through 2023 for well MW-8 are presented in the following TPH Vapor Concentrations Graph.



- The extraction well induced vacuum and well vapor flow for Event #7B is compared with events from 2018 through 2023 in the following table.

Well Vacuum and Well Vapor Flow
Well MW-8

Event Number		Event #7B	Event #6B	Event #5B	Event #4D	Event #4B	Event #3B
Event Date		**08/24/2023**	**08/30/2022**	**08/29/2021**	**07/12/2018**	**07/11/2018**	**05/08/2018**
Event Hours		**10.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Well Vacuum- Maximum	"H_2O	120.00	75.00	120.00	150.00	150.00	150.00
Well Vacuum- Average	"H_2O	116.19	68.33	117.14	123.81	150.00	150.00
Well Vacuum- Minimum	"H_2O	80.00	50.00	95.00	30.00	150.00	150.00
Well Vapor Flow- Maximum	scfm	12.84	11.89	13.39	10.56	8.65	7.74
Well Vapor Flow- Average	scfm	12.77	11.48	11.24	9.06	8.55	7.43
Well Vapor Flow- Minimum	scfm	12.47	8.24	6.24	4.30	8.53	6.06

- Depth to groundwater, depth to LNAPL and LNAPL thickness at the start and end of Event #7B is compared with events from 2018 through 2023 in the table on the following table.

LNAPL Thickness Well MW-8							
Event Number		**Event #7B**	**Event #6B**	**Event #5B**	**Event #4D**	**Event #4B**	**Event #3B**
Event Date		**08/24/2023**	**08/30/2022**	**08/29/2021**	**07/12/2018**	**07/11/2018**	**05/08/2018**
Event Hours		**10.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Start of Event							
Depth to LNAPL	ft BTOC	25.24	24.28	24.51	ND	22.95	22.68
Depth to Groundwater	ft BTOC	25.12	25.96	26.64	24.29	22.96	22.77
LNAPL Thickness	ft	0.12	1.68	2.13	ND	0.01	0.09
End of Event							
Depth to LNAPL	ft BTOC	39.10	38.75	33.72	ND	ND	ND
Depth to Groundwater	ft BTOC	38.75	39.10	36.56	45.51	32.34	36.32
LNAPL Thickness	ft	0.35	0.35	2.84	ND	ND	ND

ND- Not Detected

- The maximum and average groundwater pump rates for Event #7B is compared to events from 2018 through 2023 are shown in the following Groundwater Pump Data Table.

Groundwater Pump Data Well MW-8							
Event Number		**Event #7B**	**Event #6B**	**Event #5B**	**Event #4D**	**Event #4B**	**Event #3B**
Event Date		**08/24/2023**	**08/30/2022**	**08/29/2021**	**07/12/2018**	**07/11/2018**	**05/08/2018**
Event Hours		**10.0**	**10.0**	**10.0**	**10.0**	**6.0**	**12.0**
Data Element							
Maximum GW Pump Rate	gpm	0.07	0.07	0.10	0.33	0.37	0.43
Average GW Pump Rate	gpm	0.02	0.01	0.03	0.11	0.18	0.15

SUMMARY OF WELL MW-11 MDPE EVENT #7C

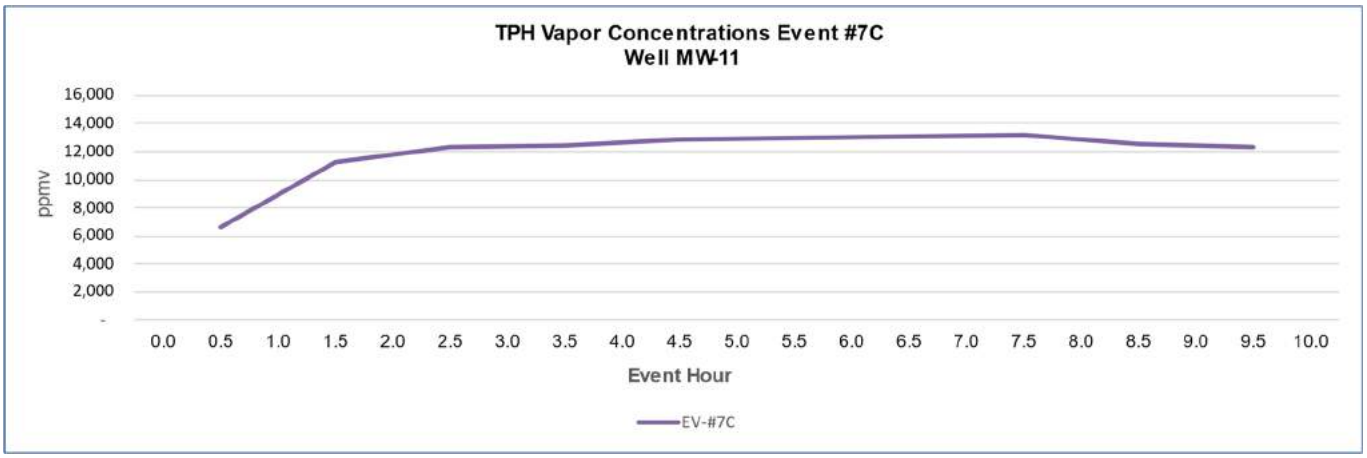
The Petroleum Hydrocarbon Recovery Summary Table below lists the groundwater and LNAPL recovery data for Well MW-11.

Petroleum Hydrocarbon Recovery Summary Well MW-11		
Event Number		**Event #7C**
Event Date		**08/25/2023**
Event Hours		**10.0**
Groundwater Recovery		
GW Recovery		120
LNAPL Recovery		
Liquid	gals	42.0
Vapor	gals	2.6
Total	gals	44.6
Gallons /Hour	gph	**4.46**

- Total vapor hydrocarbons burned as IC engine fuel are based on the HORIBA® data recorded in the following Influent Vapor Data Table. The HORIBA® analytical data from the influent vapor samples for Event #7 for well MW-11 are presented in the following table.

Influent Vapor Data Well MW-11		
Event Number		**Event #7C**
Event Date		**08/25/2023**
Event Hours		**10.0**
Data Element		
TPH- Maximum	ppmv	13,150
TPH- Average	ppmv	11,965
TPH- Minimum	ppmv	6,590
TPH- Initial	ppmv	6,590
TPH- Ending	ppmv	12,300
CO_2 - Average	%	3.90
O_2 - Average	%	11.6
H_2S - Average	ppm	0

- The TPH vapor concentrations from the influent vapor samples for all events for well MW-11 are presented in the following TPH Vapor Concentrations Graph.



- The extraction well induced vacuum and well vapor flow for Event #7C is listed in the following table.

Well Vacuum and Well Vapor Flow
Well MW-11

Event Number		Event #7C
Event Date		08/25/2023
Event Hours		10.0
Data Element		
Well Vacuum- Maximum	"H_2O	110.00
Well Vacuum- Average	"H_2O	101.00
Well Vacuum- Minimum	"H_2O	90.00
Well Vapor Flow- Maximum	scfm	10.60
Well Vapor Flow- Average	scfm	10.00
Well Vapor Flow- Minimum	scfm	7.76

- Depth to groundwater, depth to LNAPL and LNAPL thickness at the start and end of Event #7C is presented in the following table.

LNAPL Thickness
Well MW-11

Event Number		Event #7C
Event Date		08/25/2023
Event Hours		10.0
Data Element		
Start of Event		
Depth to LNAPL	ft BTOC	28.72
Depth to Groundwater	ft BTOC	29.40
LNAPL Thickness	ft	0.68
End of Event		
Depth to LNAPL	ft BTOC	39.99
Depth to Groundwater	ft BTOC	40.38
LNAPL Thickness	ft	0.39

ND- Not Detected

- The maximum and average groundwater pump rates for Event #7C are shown in the following Groundwater Pump Data Table.

Groundwater Pump Data
Well MW-11

Event Number		Event #7C
Event Date		08/25/2023
Event Hours		10.0
Data Element		
Maximum GW Pump Rate	gpm	0.33
Average GW Pump Rate	gpm	0.21

ADDITIONAL INFORMATION EVENTS #7A, #7B AND #7C

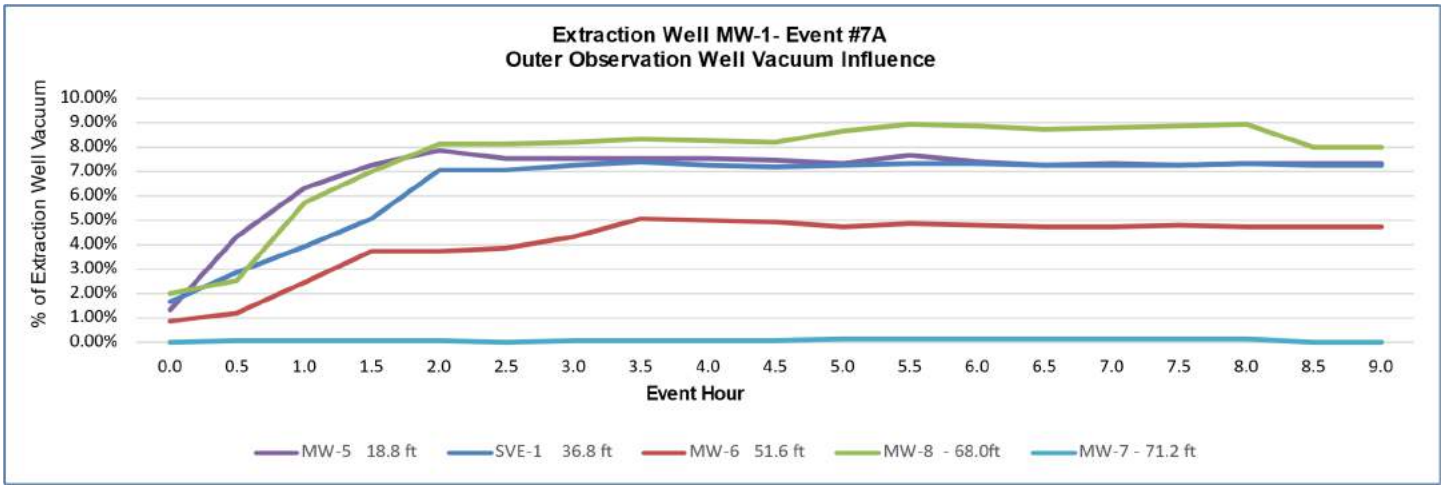
- A QED AP2+ bottom-fill pneumatic pump was used to perform all events.
- At the start of Event #7A, the depth to groundwater for well MW-1 was approximately 0.43 feet lower than Event #6A.
- At the start of Event #7B, the depth to groundwater for well MW-8 was approximately 0.84 feet higher than Event #6B.
- For all events, the induced vacuum was used to draw liquids and vapor into the well, and the in-well pump was used to draw down and recover liquids.

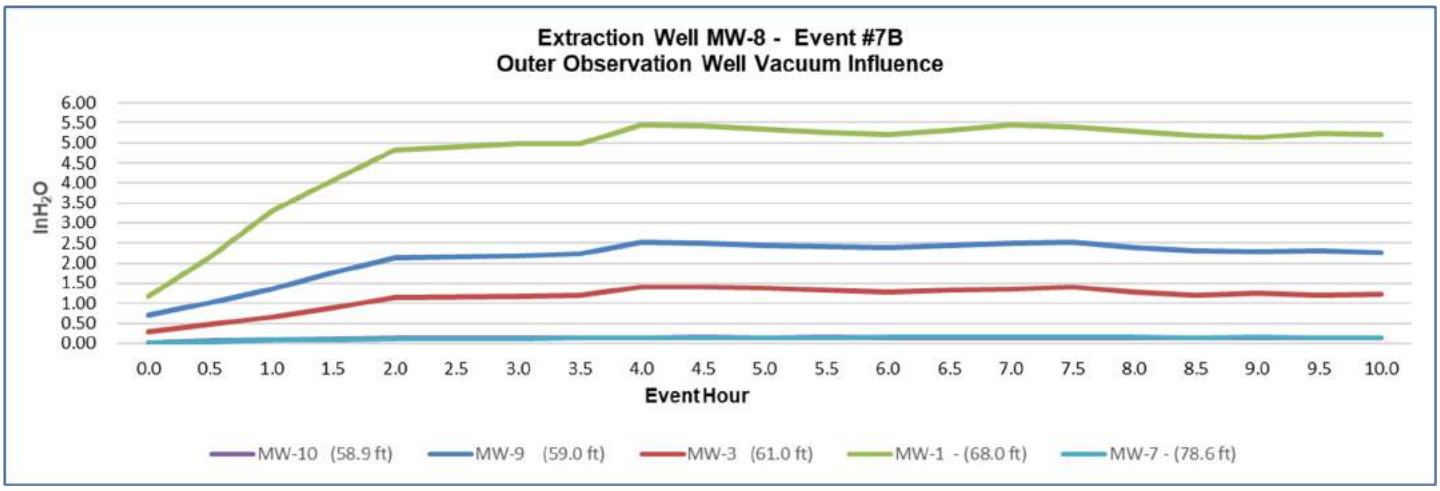
SUMMARY OF OUTER OBSERVATION WELL DATA FOR MDPE EVENTS #7A, #7B AND #7C

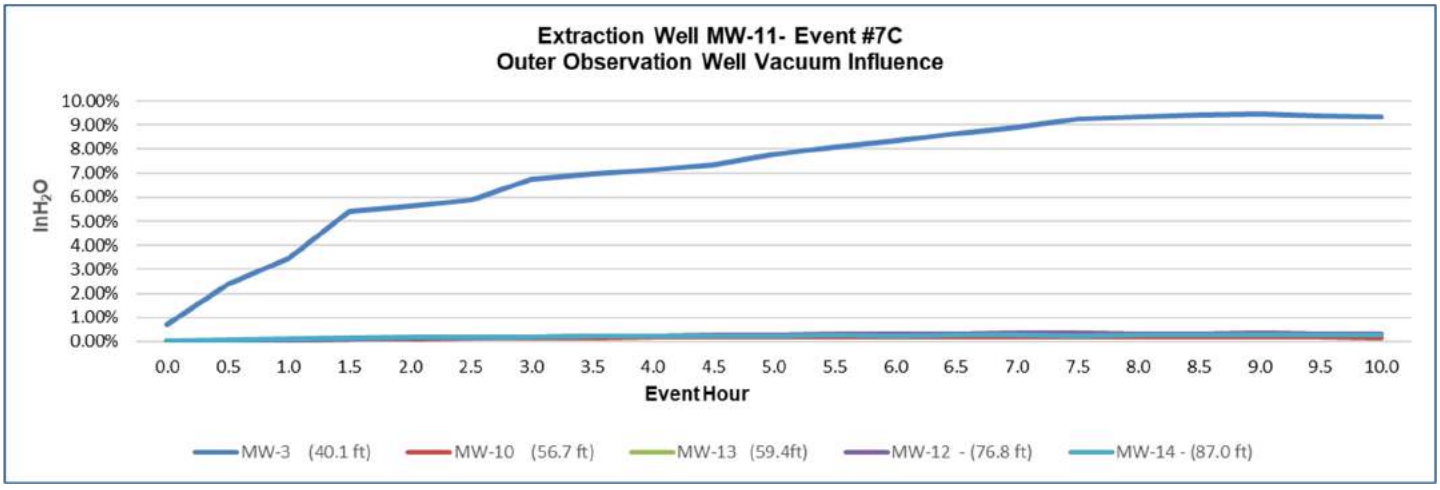
During Events #7A, #7B and #7C, certain outer observation wells were monitored for the vacuum influence of the respective extraction well. The outer observation wells that were monitored for each event and the average vacuum influence are outlined in the table below.

Outer Well Vacuum Influence Event #7				
Extraction Well		**MW-1**	**MW-8**	**MW-11**
Event Number		**Event #7A**	**Event #7B**	**Event #7C**
Event Date		**08/23/2023**	**08/24/2023**	**08/25/2023**
Event Hours		**10.0**	**10.0**	**10.0**
Average Extraction Well Vacuum	InH_2O	82.89	116.19	101.00
Average Vacuum Influence- Outer Wells (distance from extraction well ft)				
MW-5 (17.9 ft)	InH_2O	5.69		
SVE-1 (36.6 ft)	InH_2O	5.33		
MW-6 (51.5 ft)	InH_2O	3.39		
MW-8 (68.0 ft)	InH_2O	6.52		
MW-7 (71.2 ft)	InH_2O	0.06		
MW-10 (58.9 ft)	InH_2O		0.16	
MW-9 (59.0 ft)	InH_2O		2.53	
MW-3 (61.0 ft)	InH_2O		1.40	
MW-1 (68.0 ft)	InH_2O		5.45	
MW-7 (78.6 ft)	InH_2O		0.17	
MW-3 (40.1 ft)	InH_2O			9.45
MW-10 (56.7 ft)	InH_2O			0.20
MW-13 (59.4 ft)	InH_2O			0.36
MW-12 (76.8 ft)	InH_2O			3.14
MW-14 (87.0 ft)	InH_2O			0.26

A graphical representation of the vacuum influence on the outer observation wells for Events #7A, #7B and #7C are presented below.







METHOD OF CALIBRATION AND CALCULATIONS

The HORIBA® Analytical instrument is calibrated with hexane, carbon monoxide and carbon dioxide. The formula used to calculate the emission rate (ER) is:

$$ER = TPH\ (ppmv) \times MW\ (hexane) \times Flow\ Rate\ (scfm) \times 1.58E^{-7} \frac{(min)(lb\ mole)}{(hr)(ppmv)(ft^3)} = lbs/hr$$

INFORMATION INCLUDED WITH REPORT

- Table #1 Summary Extraction Well Data
- Table #2 Summary Recovery Data
- Recorded Data
- Photographs of the MDPE System and extraction well MW-11.

After you have reviewed the report and if you have any questions, please contact me. We appreciate you selecting AcuVac to provide this service.

Sincerely,
ACUVAC REMEDIATION, LLC

Paul D. Faucher
President

Summary Extraction Well Data
Table #1

Event		7A	7B	7C
EXTRACTION WELL ID		**MW-1**	**MW-8**	**MW-11**
Total Event Hours		10.0	10.0	10.0
Cumulative Event Hours		128.0	128.0	128.0
Total Depth	ft BGS	30.00	40.00	40.00
Well Screen	ft BGS	20.0 - 30.0	14.9 - 39.9	14.9 - 39.9
Well Size	in	4.0	2.0	2.0
Location of In-Well Pump (approx.)	ft BGS	29.0	30.0	30.0
Well Data				
Depth To LNAPL - Static - Start Event	ft BTOC	28.45	25.24	28.72
Depth To Groundwater - Static - Start Event	ft BTOC	30.59	25.12	29.40
LNAPL Thickness	ft	2.14	0.12	0.68
Hydro-Equivalent- Beginning	ft BTOC	29.01	25.15	28.90
Depth To LNAPL - Static - End Event	ft BTOC	29.56	38.75	39.99
Depth To Groundwater - Static - End Event	ft BTOC	31.15	39.10	40.38
LNAPL Thickness	ft	1.59	0.35	0.39
Hydro-Equivalent- Ending	ft BTOC	29.97	38.84	32.65
Extraction Data				
Maximum Extraction Well Vacuum	"H_2O	85.00	120.00	110.00
Average Extraction Well Vacuum	"H_2O	82.89	116.19	101.00
Minimum Extraction Well Vacuum	"H_2O	80.00	80.00	90.00
Maximum Extraction Well Vapor Flow	scfm	11.48	12.84	10.60
Average Extraction Well Vapor Flow	scfm	11.14	12.77	10.00
Minimum Extraction Well Vapor Flow	scfm	10.77	12.47	7.76
Maximum GW / LNAPL Pump Rate	gpm	0.07	0.07	0.33
Average GW / LNAPL Pump Rate	gpm	0.02	0.02	0.21
Influent Data				
Maximum TPH	ppmv	37,460	40,120	13,150
Average TPH	ppmv	35,429	38,818	11,965
Minimum TPH	ppmv	27,460	36,410	6,590
Initial TPH	ppmv	27,460	38,420	6,590
Final TPH	ppmv	37,460	38,660	12,300
Average CO_2	%	5.21	2.43	3.90
Average O_2	%	5.2	7.0	11.6
Average H_2S	ppm	0	0	0

Summary Recovery Data
Table #2

Event		7A	7B	7C
EXTRACTION WELL ID		**MW-1**	**MW-8**	**MW-11**
Recovery Data- Current Event				
Total Liquid Volume Recovered	gals	9	11	120
Total Liquid LNAPL Recovered	gals	7.20	0	42.00
Total Liquid LNAPL Recovered / Total Liquid	%	80.00	0	35.00
Total Liquid LNAPL Recovered / Total LNAPL	%	48.40	0	94.20
Total Vapor LNAPL Recovered	gals	7.70	10.71	2.60
Total Vapor LNAPL Recovered / Total LNAPL	%	51.60	100.00	5.80
Total Vapor and Liquid LNAPL Recovered	gals	14.9	10.71	44.60
Average LNAPL Recovery	gals/hr	1.65	1.07	4.46
Total LNAPL Recovered	lbs	104	75	312
Total Volume of Well Vapors	cu. ft	6,016	7,662	6,000
Recovery Data- Cumulative				
Total Liquid Volume Recovered	gals	398	637	120
Total Liquid LNAPL Recovered	gals	26.55	13.00	42
Total Vapor LNAPL Recovered	gals	119.03	102.24	2.60
Total Vapor and Liquid LNAPL Recovered	gals	172.4	115.25	44.60
Average LNAPL Recovery	gals/hr	1.26	0.84	4.46
Total LNAPL Recovered	lbs	1,207	807	312
Total Volume of Well Vapors	cu. ft	102,784	65,434	6,000

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OPERATING DATA – EVENT # 7A PAGE # 1 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-1

		Date	6-23-23					
		Time	0730	0800	0830	0900	0930	1000
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	140	140	140	140	140	140
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	18	18	18	18	18	18
	Gas Flow Fuel/Propane	cfh	50	40	20	10	10	10
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	85	85	80	80	80	80
	Extraction Well Flow	scfm	10,78	10,77	10,88	10.86	10,85	10.85
	Well Flow Raw Number		14	14	14	14	14	14
	Influent Vapor Temp.	°F	69	70	70	72	73	73
	Air Temp	°F	68	69	71	73	76	77
	Barometric Pressure	"Hg	30.42	30.42	30.42	30.42	30.42	30.42
	Absolute Pressure	"Hg	24.55	24.55	24.55	24.55	24.55	24.55
VAPOR / INFLUENT	TPH	ppmv	—	37460	—	34,110	—	35580
	CO_2	%	—	5.72	—	5.76	—	5.46
	O_2	%	—	7.5	—	5,2	—	4,6
	H_2S	ppm	—	—	—	—	—	—
NOTES	Arrived e site 0700, Tail gate safety meeting, Event start 0730, SLT SVE only, Discharge tanks not on site. Tanks arrived @0900.							
RECOVERY	Totalizer 17963	gals	17963	17963	17963	17965	17967	17964
	Pump Rate	gals/min	0	0	0.033	.033	0.00	0.00
	Total Volume	gals	—	—	—	2	4	4
	NAPL	% Vol	80%	80%	80%	80%	80%	80%
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL	28,45					
	Extraction Well	DTGW	30,59					

2,14

AcuVac Remediation

OPERATING DATA – EVENT # 7A PAGE # 2 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-1

		Date	8.23.23					
		Time	1030	1100	1130	1200	1230	1300
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	145	150	150	150	155	155
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	18	18	18	18	18	18
	Gas Flow Fuel/Propane	cfh	10	10	10	10	0	0
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	80	80	80	80	85	85
	Extraction Well Flow	scfm	10,84	10,83	10,83	10,82	11,48	11,48
	Well Flow Raw Number		14	14	14	14	15	15
	Influent Vapor Temp.	°F	74	75	75	76	76	76
	Air Temp	°F	78	80	83	84	85	85
	Barometric Pressure	"Hg	30,42	30,41	30,40	30,38	30,37	30,36
	Absolute Pressure	"Hg	24,55	24,54	24,53	24,52	24,51	24,50
VAPOR / INFLUENT	TPH	ppmv	—	36,310	—	36,680	—	37,090
	CO_2	%	—	5,24	—	5,06	—	5,04
	O_2	%	—	4,8	—	5,0	—	5,0
	H_2S	ppm	—	—	—	—	—	—
NOTES								
RECOVERY	Totalizer	gals	17967	17968	17968	17968	17969	17969
	Pump Rate	gals/min	.016	0	0	.016	0	0
	Total Volume	gals	4	5	5	5	6	6
	NAPL	% Vol	80%	80%	80%	80%	80%	80%
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7A PAGE # 3 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-1

	Date	8-23-23					
	Time	1330	1400	1430	1500	1530	1600
	Hr Meter						
ENGINE / BLOWER	Engine Speed RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure psi	50	50	50	50	50	50
	Water Temp °F	160	160	160	160	155	155
	Alternator Volts	13	13	13	13	13	13
	Intake Vacuum "Hg	18	18	18	18	18	18
	Gas Flow Fuel/Propane cfh	0	0	0	0	0	0
ATMOSPHERE VACUUM / AIR	Extraction Well Vac. "H_2O	85	85	85	85	85	85
	Extraction Well Flow scfm	11,48	11,48	11,47	11,47	11,40	11,48
	Well Flow Raw Number	15	15	15	15	15	15
	Influent Vapor Temp. °F	76	76	77	77	76	76
	Air Temp °F	86	86	87	86	84	80
	Barometric Pressure "Hg	30,35	30,35	30,32	30,32	30,32	30,31
	Absolute Pressure "Hg	24,50	24,49	24,46	24,46	24,46	24,45
VAPOR / INFLUENT	TPH ppmv	—	36,780	—	37,390	—	37,460
	CO_2 %	—	5.2	—	4,8	—	4,6
	O_2 %	—	4,94	—	4,70	—	4,90
	H_2S ppm	—	—	—	—	—	—
NOTES	Increasing clouds @ 1300.						
RECOVERY	Totalizer gals	17969	17969	17969	17970	17970	17971
	Pump Rate gals/min	0	0	0,016	0	0,016	0.016
	Total Volume gals	6	6	6	7	7	8
	NAPL % Vol	80%	80%	80%	80%	80%	80%
	NAPL Gals						
EW	Data Logger Head ft	—	—	—	—	—	—
	GW Depression ft	—	—	—	—	—	—
	Extraction Well DTNAPL						
	Extraction Well DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7A PAGE # 4 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-1

		Date	8-23-23					
		Time	1630	1700	1730			
		Hr Meter		N/A	N/A			
ENGINE / BLOWER	Engine Speed	RPM	1800					
	Oil Pressure	psi	50					
	Water Temp	°F	155					
	Alternator	Volts	13					
	Intake Vacuum	"Hg	18					
	Gas Flow Fuel/Propane	cfh	0					
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	85					
	Extraction Well Flow	scfm	11,48					
	Well Flow Raw Number		15					
	Influent Vapor Temp.	°F	76					
	Air Temp	°F	80					
	Barometric Pressure	"Hg	30,31					
	Absolute Pressure	"Hg	24,45					
VAPOR / INFLUENT	TPH	ppmv	—					
	CO_2	%	—					
	O_2	%	—					
	H_2S	ppm	—					
NOTES	Wet weather approaching, Event called @ 1630, Total event = 9.0 hrs. De-Mobed, Departed site @ 1645.							
RECOVERY	Totalizer	gals	17972					
	Pump Rate	gals/min	—					
	Total Volume	gals	9					
	NAPL	% Vol	80%					
	NAPL	Gals						
EW	Data Logger Head	ft	—					
	GW Depression	ft	—					
	Extraction Well	DTNAPL	29,56					
	Extraction Well	DTGW	31.15					

AcuVac Remediation

OPERATING DATA – EVENT # 73 PAGE # 1 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-8	Date		8-24-23					
	Time		0700	0730	0800	0830	0900	0930
	Hr Meter							
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	140	140	145	145	150	150
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	16	16	16	16	16	16
	Gas Flow Fuel/Propane	cfh	50	40	30	0	0	0
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	80	100	100	120	120	120
	Extraction Well Flow	scfm	12,47	12,71	12,70	12,84	12,84	12,83
	Well Flow Raw Number		16	17	17	18	18	18
	Influent Vapor Temp.	°F	67	67	68	69	69	70
	Air Temp	°F	60	61	62	63	64	65
	Barometric Pressure	"Hg	30,34	30,34	30,34	30,34	30,35	30,35
	Absolute Pressure	"Hg	24,49	24,49	24,49	24,49	24,50	24,50
VAPOR / INFLUENT	TPH	ppmv	—	38,420	—	38,750	—	40,120
	CO_2	%	—	2.16	—	2,06	—	2,28
	O_2	%	—	7.3	—	7.2	—	6.2
	H_2S	ppm	—	—	—	—	—	.
NOTES	Arrive at site 0640, Tailgate safety meeting, Gage MW-8, Event start @ 0700, Cloudy + cool.							
RECOVERY	Totalizer 17971	gals	17971	17971	17973	17974	17975	17976
	Pump Rate	gals/min	—	0,033	0,016	.016	.016	2
	Total Volume	gals	0	0	2.	3	4	5
	NAPL	% Vol	—					
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL	25,12					
	Extraction Well	DTGW	25,24					

AcuVac Remediation

OPERATING DATA – EVENT # 7B PAGE # 2 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-8

		Date	8-29-23					
		Time	1000	1030	1100	1130	1200	1230
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	145	145	145	145	145	145
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	16	16	16	16	16	16
	Gas Flow Fuel/Propane	cfh	0	0	0	0	0	0
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	120	120	120	120	120	120
	Extraction Well Flow	scfm	12,83	12,83	12,83	12,80	12,80	12,79
	Well Flow Raw Number		18	18	18	18	18	18
	Influent Vapor Temp.	°F	70	70	70	72	72	73
	Air Temp	°F	67	69	69	70	72	73
	Barometric Pressure	"Hg	30,35	30,35	30,35	30,34	30,34	30,33
	Absolute Pressure	"Hg	24,50	24,50	24,50	24,50	24,50	24,48
VAPOR / INFLUENT	TPH	ppmv	—	36410	—	38880	—	39740
	CO_2	%	—	2,07	—	2,38	—	2,60
	O_2	%	—	9,3	—	7,1	—	6,46
	H_2S	ppm	—	—	—	—	—	—
NOTES								
RECOVERY	Totalizer	gals	17976	17977	17977	17978	17978	17978
	Pump Rate	gals/min	,016	0	,016	0	0	0
	Total Volume	gals	5	6	6	7	7	7
	NAPL	% Vol						
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7B PAGE # 2 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-8

	Date		8-24-23					
	Time		1300	1330	1400	1430	1500	1530
	Hr Meter							
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	145	145	145	145	145	145
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	16	16	16	16	16	16
	Gas Flow Fuel/Propane	cfh	0	0	0	0	0	0
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	120	120	120	120	120	120
	Extraction Well Flow	scfm	12,78	12,78	12,78	12,77	12,77	12,77
	Well Flow Raw Number		18	18	18	18	18	18
	Influent Vapor Temp.	°F	74	74	74	75	75	75
	Air Temp	°F	74	75	75	77	79	80
	Barometric Pressure	"Hg	30,33	30,33	30,33	30,31	30,30	30,30
	Absolute Pressure	"Hg	24,48	24,48	24,48	24,47	24,46	24,46
VAPOR / INFLUENT	TPH	ppmv	—	39210	—	39030	—	38960
	CO_2	%	—	2,64	—	2,72	—	2,76
	O_2	%	—	6,6	—	6,4	—	6,2
	H_2S	ppm	—	—	—	—	—	—
NOTES								
RECOVERY	Totalizer	gals	17978	17979	17979	17980	17980	17981
	Pump Rate	gals/min	,016	0	,016	0	,016	0
	Total Volume	gals	7	8	8	9	9	10
	NAPL	% Vol						
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7B PAGE # 4 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-8

		Date	8-24-23					
		Time	1600	1630	1700			
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800			
	Oil Pressure	psi	50	50	50			
	Water Temp	°F	145	145	145			
	Alternator	Volts	13	13	13			
	Intake Vacuum	"Hg	16	16	16			
	Gas Flow Fuel/Propane	cfh	0	0	0			
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	120	120	120			
	Extraction Well Flow	scfm	12.76	12.76	12.76			
	Well Flow Raw Number		18	18	18			
	Influent Vapor Temp.	°F	76	76	76			
	Air Temp	°F	80	81	81			
	Barometric Pressure	"Hg	30.29	30.29	30.29			
	Absolute Pressure	"Hg	24.45	24.45	24.45			
VAPOR / INFLUENT	TPH	ppmv	—	38660	—			
	CO_2	%	—	2.68	—			
	O_2	%	—	6.8	—			
	H_2S	ppm	—	—	—			
NOTES	Event end @ 1700, Moved unit to MW-11, Moved MW-11 Depth.							
RECOVERY	Totalizer	gals	17981	17982	17982			
	Pump Rate	gals/min	.016	0	—			
	Total Volume	gals	10	11	11			
	NAPL	% Vol						
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—			
	GW Depression	ft	—	—	—			
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7C PAGE # 1 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-11

		Date	8-25-23					
		Time	0700	0730	0800	0830	0900	0930
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	140	140	140	140	140	140
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	14	14	14	14		
	Gas Flow Fuel/Propane	cfh				80	80	80
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	90	90	110	110	110	110
	Extraction Well Flow	scfm	7,69	7,69	8.84	8.63	8.81	879
	Well Flow Raw Number		10	10	12	12	12	12
	Influent Vapor Temp.	°F	60	60	60	61	63	65
	Air Temp	°F	60	62	63	65	67	68
	Barometric Pressure	"Hg	30,40	30,40	30.40	30,40	30,40	30.40
	Absolute Pressure	"Hg	24,54	24,54	24.54	24.54	24.54	24.54
VAPOR / INFLUENT	TPH	ppmv	—	6590	—	11290	—	12290
	CO_2	%	—	3.54	—	4,02	—	3.98
	O_2	%	—	13,7	—	11.2	—	10.9
	H_2S	ppm	—	—	—	—	—	—
NOTES	Arrive at site 0640. Gauge MW-11, Set pump. Event shut at 0700. Set pump @ 0730.							
RECOVERY	Totalizer 17982	gals	17982	17982	17992	18002	18011	18021
	Pump Rate	gals/min	0	0,33	0,33	,30	,33	,17
	Total Volume	gals	0	0	10	20	29	39
	NAPL	% Vol	—	—	35%	35%	35%	35%
	NAPL	Gals	—	—				
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL	28,72					
	Extraction Well	DTGW	29,40					

,68

AcuVac Remediation

OPERATING DATA – EVENT # 7C PAGE # 2 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-11

		Date	8-25-22					
		Time	1000	1030	1100	1130	1200	1230
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	145	145	145	145	150	150
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	16	16	16	16	16	16
	Gas Flow Fuel/Propane	cfh	80	80	80	80	80	80
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	100	100	100	100	100	100
	Extraction Well Flow	scfm	10,48	10,48	10,46	10,46	10,45	10,45
	Well Flow Raw Number		14	14	14	14	14	14
	Influent Vapor Temp.	°F	66	66	68	68	69	69
	Air Temp	°F	69	72	74	76	77	78
	Barometric Pressure	"Hg	30,40	30,40	30,39	30,39	30,38	30,37
	Absolute Pressure	"Hg	24,54	24,53	24,53	24,53	24,52	24,51
VAPOR / INFLUENT	TPH	ppmv	—	12430	—	12870	—	13020
	CO_2	%	—	4,07	—	4,24	—	3,54
	O_2	%	—	10,9	—	10,5	—	13,7
	H_2S	ppm	—	—	—	—	—	—
NOTES								
RECOVERY	Totalizer	gals	18026	18032	18038	18044	18050	18055
	Pump Rate	gals/min	.20	.20	.20	.20	.17	.20
	Total Volume	gals	44	50	56	62	68	73
	NAPL	% Vol	35%	35%	35%	35%	35%	35%
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7C PAGE # 3 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-11

		Date	8-25-23					
		Time	1300	1330	1400	1430	1500	1530
		Hr Meter						
ENGINE / BLOWER	Engine Speed	RPM	1800	1800	1800	1800	1800	1800
	Oil Pressure	psi	50	50	50	50	50	50
	Water Temp	°F	150	150	150	150	160	160
	Alternator	Volts	13	13	13	13	13	13
	Intake Vacuum	"Hg	16	16	16	16	14	14
	Gas Flow Fuel/Propane	cfh	80	80	80	80	80	80
ATMOSPHERE VACUUM / AIR	Extraction Well Vac.	"H_2O	100	100	100	100	100	100
	Extraction Well Flow	scfm	10.44	10.44	10.43	10.43	10.43	10.42
	Well Flow Raw Number		14	14	14	14	14	14
	Influent Vapor Temp.	°F	70	70	71	71	72	72
	Air Temp	°F	79	80	81	82	84	85
	Barometric Pressure	"Hg	30.36	30.35	30.35	30.34	30.32	30.31
	Absolute Pressure	"Hg	24.50	24.49	24.49	24.48	24.47	24.46
VAPOR / INFLUENT	TPH	ppmv	—	13150	—	13150	—	12580
	CO_2	%	—	4.12	—	4.18	—	3.88
	O_2	%	—	10.9	—	10.8	—	11.5
	H_2S	ppm	—	—	—	—	—	—
NOTES								
RECOVERY	Totalizer	gals	18061	18066	18072	18077	18082	18087
	Pump Rate	gals/min	.17	.20	.17	.17	.17	.17
	Total Volume	gals	79	84	90	95	100	105
	NAPL	% Vol	35%	35%	35%	35%	35%	35%
	NAPL	Gals						
EW	Data Logger Head	ft	—	—	—	—	—	—
	GW Depression	ft	—	—	—	—	—	—
	Extraction Well	DTNAPL						
	Extraction Well	DTGW						

AcuVac Remediation

OPERATING DATA – EVENT # 7c PAGE # 4 ACUVAC MDP SYSTEM

Location: JF BELL #1E, San Juan County, NM Project Managers: Hendley / George

Well # MW-11	Date	8-25-23						
	Time	1600	1630	1700				
	Hr Meter							
ENGINE / BLOWER	Engine Speed RPM	1800	1800	1800				
	Oil Pressure psi	50	50	50				
	Water Temp °F	155	155	155				
	Alternator Volts	13	13	13				
	Intake Vacuum "Hg	16	16	16				
	Gas Flow Fuel/Propane cfh	80	80	80				
ATMOSPHERE VACUUM / AIR	Extraction Well Vac. "H_2O	100	100	100				
	Extraction Well Flow scfm	10.42	10.42	1042				
	Well Flow Raw Number	14	14	14				
	Influent Vapor Temp. °F	72	72	72				
	Air Temp °F	85	83	86				
	Barometric Pressure "Hg	30,29	30,28	30,28				
	Absolute Pressure "Hg	24,45	24,44	24,44				
VAPOR / INFLUENT	TPH ppmv	—	12300	—				
	CO_2 %	—	3,42	—				
	O_2 %	—	11,7	—				
	H_2S ppm	—	—	—				
NOTES	Evaluated @ 1800 hrs De-mobe.							
RECOVERY	Totalizer gals	18092	18097	18102				
	Pump Rate gals/min	,17	,17	—				
	Total Volume gals	110	115	120				
	NAPL % Vol	35%	35%	35%				
	NAPL Gals							
EW	Data Logger Head ft	—	—	—				
	GW Depression ft	—	—	—				
	Extraction Well DTNAPL			39,99				
	Extraction Well DTGW			40,38				

JF BELL #1E
SAN JUAN COUNTY, NM

APPENDIX E

Groundwater Analytical Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/14/2023 8:51:15 AM Revision 1

JOB DESCRIPTION

James F. Bell #1E.00
SDG NUMBER James F. Bell

JOB NUMBER

400-237958-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Revision 1

Authorized for release by
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Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Job ID: 400-237958-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-237958-1

Receipt
The samples were received on 5/19/2023 9:09 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 time was 3.8°C

Receipt Exceptions
COC has marked that both these samples are unpreserved. Containers say HCl, preservation needs to be checked by the VOA department.

GC/MS VOA
Method 8260D: One of three surrogate recoveries for the following sample was outside the upper control limit: (MB 400-626372/4). This method blank did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: Surrogate recovery for the following sample was outside the upper control limit: MW-18 (400-237958-12). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The matrix spike (MS) recoveries for analytical batch 400-626453 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-6 (400-237958-4) and MW-7 (400-237958-5). Elevated reporting limits (RLs) are provided.

Method 8260D: One of three surrogate recoveries for the following sample was outside the upper control limit: (MB 400-627179/4). This method blank did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-237958-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-237958-2

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-237958-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	19		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-237958-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		5.0		ug/L	5		8260D	Total/NA
Ethylbenzene	24		5.0		ug/L	5		8260D	Total/NA
Xylenes, Total	890		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 400-237958-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	210		20		ug/L	20		8260D	Total/NA
Ethylbenzene	300		20		ug/L	20		8260D	Total/NA
Xylenes, Total	2300		200		ug/L	20		8260D	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 400-237958-6

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 400-237958-7

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

Client Sample ID: MW-14 — Lab Sample ID: 400-237958-8

No Detections.

Client Sample ID: MW-15 — Lab Sample ID: 400-237958-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.8		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	5.2		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 400-237958-10

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

Client Sample ID: MW-17 — Lab Sample ID: 400-237958-11

No Detections.

Client Sample ID: MW-18 — Lab Sample ID: 400-237958-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Method	Method Description	Protocol	Laboratory
8260D	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: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-237958-1	TRIP BLANK	Water	05/18/23 07:15	05/19/23 09:09
400-237958-2	DUP-01	Water	05/18/23 07:20	05/19/23 09:09
400-237958-3	MW-5	Water	05/18/23 08:30	05/19/23 09:09
400-237958-4	MW-6	Water	05/18/23 08:55	05/19/23 09:09
400-237958-5	MW-7	Water	05/18/23 10:00	05/19/23 09:09
400-237958-6	MW-12	Water	05/18/23 09:50	05/19/23 09:09
400-237958-7	MW-13	Water	05/18/23 09:15	05/19/23 09:09
400-237958-8	MW-14	Water	05/18/23 09:25	05/19/23 09:09
400-237958-9	MW-15	Water	05/18/23 09:30	05/19/23 09:09
400-237958-10	MW-16	Water	05/18/23 08:45	05/19/23 09:09
400-237958-11	MW-17	Water	05/18/23 08:50	05/19/23 09:09
400-237958-12	MW-18	Water	05/18/23 08:10	05/19/23 09:09

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: TRIP BLANK

Date Collected: 05/18/23 07:15
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 23:10	1
Toluene	<1.0		1.0		ug/L			05/24/23 23:10	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/23 23:10	1
Xylenes, Total	<10		10		ug/L			05/24/23 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*64 - 132*		*05/24/23 23:10*	*1*
Dibromofluoromethane	*126*		*75 - 126*		*05/24/23 23:10*	*1*
4-Bromofluorobenzene	*102*		*72 - 130*		*05/24/23 23:10*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: DUP-01

Date Collected: 05/18/23 07:20
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 23:37	1
Toluene	<1.0		1.0		ug/L			05/24/23 23:37	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/23 23:37	1
Xylenes, Total	<10		10		ug/L			05/24/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*64 - 132*		*05/24/23 23:37*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*05/24/23 23:37*	*1*
4-Bromofluorobenzene	*110*		*72 - 130*		*05/24/23 23:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-5
Date Collected: 05/18/23 08:30
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**19**		1.0		ug/L			05/25/23 00:03	1
Toluene	<1.0		1.0		ug/L			05/25/23 00:03	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 00:03	1
Xylenes, Total	<10		10		ug/L			05/25/23 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/25/23 00:03*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*05/25/23 00:03*	*1*
4-Bromofluorobenzene	*112*		*72 - 130*		*05/25/23 00:03*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-6
Date Collected: 05/18/23 08:55
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**180**		5.0		ug/L			05/25/23 15:02	5
Toluene	<5.0		5.0		ug/L			05/25/23 15:02	5
Ethylbenzene	**24**		5.0		ug/L			05/25/23 15:02	5
Xylenes, Total	**890**		50		ug/L			05/25/23 15:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/25/23 15:02*	*5*
Dibromofluoromethane	*101*		*75 - 126*		*05/25/23 15:02*	*5*
4-Bromofluorobenzene	*119*		*72 - 130*		*05/25/23 15:02*	*5*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-7
Date Collected: 05/18/23 10:00
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**210**		20		ug/L			05/31/23 23:38	20
Toluene	<20		20		ug/L			05/31/23 23:38	20
Ethylbenzene	**300**		20		ug/L			05/31/23 23:38	20
Xylenes, Total	**2300**		200		ug/L			05/31/23 23:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*05/31/23 23:38*	*20*
Dibromofluoromethane	*118*		*75 - 126*		*05/31/23 23:38*	*20*
4-Bromofluorobenzene	*115*		*72 - 130*		*05/31/23 23:38*	*20*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-12

Date Collected: 05/18/23 09:50
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/25/23 00:29	1
Toluene	<1.0		1.0		ug/L			05/25/23 00:29	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 00:29	1
Xylenes, Total	<10		10		ug/L			05/25/23 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/25/23 00:29*	*1*
Dibromofluoromethane	*123*		*75 - 126*		*05/25/23 00:29*	*1*
4-Bromofluorobenzene	*105*		*72 - 130*		*05/25/23 00:29*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-13
Date Collected: 05/18/23 09:15
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/25/23 00:56	1
Toluene	<1.0		1.0		ug/L			05/25/23 00:56	1
Ethylbenzene	**1.7**		1.0		ug/L			05/25/23 00:56	1
Xylenes, Total	<10		10		ug/L			05/25/23 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/25/23 00:56*	*1*
Dibromofluoromethane	*125*		*75 - 126*		*05/25/23 00:56*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*05/25/23 00:56*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-14

Date Collected: 05/18/23 09:25
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/25/23 01:22	1
Toluene	<1.0		1.0		ug/L			05/25/23 01:22	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 01:22	1
Xylenes, Total	<10		10		ug/L			05/25/23 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/25/23 01:22*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*05/25/23 01:22*	*1*
4-Bromofluorobenzene	*111*		*72 - 130*		*05/25/23 01:22*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-15
Date Collected: 05/18/23 09:30
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.8**		1.0		ug/L			05/25/23 01:49	1
Toluene	<1.0		1.0		ug/L			05/25/23 01:49	1
Ethylbenzene	**5.2**		1.0		ug/L			05/25/23 01:49	1
Xylenes, Total	<10		10		ug/L			05/25/23 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/25/23 01:49*	*1*
Dibromofluoromethane	*125*		*75 - 126*		*05/25/23 01:49*	*1*
4-Bromofluorobenzene	*108*		*72 - 130*		*05/25/23 01:49*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-16

Date Collected: 05/18/23 08:45
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.6**		1.0		ug/L			05/25/23 02:15	1
Toluene	<1.0		1.0		ug/L			05/25/23 02:15	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 02:15	1
Xylenes, Total	<10		10		ug/L			05/25/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/25/23 02:15*	*1*
Dibromofluoromethane	*122*		*75 - 126*		*05/25/23 02:15*	*1*
4-Bromofluorobenzene	*108*		*72 - 130*		*05/25/23 02:15*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-17

Date Collected: 05/18/23 08:50
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/25/23 02:42	1
Toluene	<1.0		1.0		ug/L			05/25/23 02:42	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 02:42	1
Xylenes, Total	<10		10		ug/L			05/25/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*05/25/23 02:42*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*05/25/23 02:42*	*1*
4-Bromofluorobenzene	*114*		*72 - 130*		*05/25/23 02:42*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-18

Date Collected: 05/18/23 08:10
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/25/23 03:07	1
Toluene	<1.0		1.0		ug/L			05/25/23 03:07	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 03:07	1
Xylenes, Total	<10		10		ug/L			05/25/23 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/25/23 03:07*	*1*
Dibromofluoromethane	*130*	*S1+*	*75 - 126*		*05/25/23 03:07*	*1*
4-Bromofluorobenzene	*105*		*72 - 130*		*05/25/23 03:07*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: TRIP BLANK
Date Collected: 05/18/23 07:15
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/24/23 23:10	BPO	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/18/23 07:20
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/24/23 23:37	BPO	EET PEN

Client Sample ID: MW-5
Date Collected: 05/18/23 08:30
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 00:03	BPO	EET PEN

Client Sample ID: MW-6
Date Collected: 05/18/23 08:55
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-4
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	8260D		5	5 mL	5 mL	626453	05/25/23 15:02	BPO	EET PEN

Client Sample ID: MW-7
Date Collected: 05/18/23 10:00
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	627179	05/31/23 23:38	JE	EET PEN

Client Sample ID: MW-12
Date Collected: 05/18/23 09:50
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 00:29	BPO	EET PEN

Client Sample ID: MW-13
Date Collected: 05/18/23 09:15
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 00:56	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: MW-14
Date Collected: 05/18/23 09:25
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 01:22	BPO	EET PEN

Client Sample ID: MW-15
Date Collected: 05/18/23 09:30
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 01:49	BPO	EET PEN

Client Sample ID: MW-16
Date Collected: 05/18/23 08:45
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-10
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	8260D		1	5 mL	5 mL	626372	05/25/23 02:15	BPO	EET PEN

Client Sample ID: MW-17
Date Collected: 05/18/23 08:50
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 02:42	BPO	EET PEN

Client Sample ID: MW-18
Date Collected: 05/18/23 08:10
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237958-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/25/23 03:07	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-626372/4
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	8260D		1	5 mL	5 mL	626372	05/24/23 17:31	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-626453/4
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	8260D		1	5 mL	5 mL	626453	05/25/23 10:43	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-627179/4
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	8260D		1	5 mL	5 mL	627179	05/31/23 15:12	JE	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-626372/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626372	05/24/23 16:19	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-626453/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626453	05/25/23 09:32	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-627179/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627179	05/31/23 13:47	JE	EET PEN

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: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

GC/MS VOA

Analysis Batch: 626372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-237958-1	TRIP BLANK	Total/NA	Water	8260D	
400-237958-2	DUP-01	Total/NA	Water	8260D	
400-237958-3	MW-5	Total/NA	Water	8260D	
400-237958-6	MW-12	Total/NA	Water	8260D	
400-237958-7	MW-13	Total/NA	Water	8260D	
400-237958-8	MW-14	Total/NA	Water	8260D	
400-237958-9	MW-15	Total/NA	Water	8260D	
400-237958-10	MW-16	Total/NA	Water	8260D	
400-237958-11	MW-17	Total/NA	Water	8260D	
400-237958-12	MW-18	Total/NA	Water	8260D	
MB 400-626372/4	Method Blank	Total/NA	Water	8260D	
LCS 400-626372/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 626453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-237958-4	MW-6	Total/NA	Water	8260D	
MB 400-626453/4	Method Blank	Total/NA	Water	8260D	
LCS 400-626453/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 627179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-237958-5	MW-7	Total/NA	Water	8260D	
MB 400-627179/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627179/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

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

Lab Sample ID: MB 400-626372/4
Matrix: Water
Analysis Batch: 626372

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 17:31	1
Toluene	<1.0		1.0		ug/L			05/24/23 17:31	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/23 17:31	1
Xylenes, Total	<10		10		ug/L			05/24/23 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/24/23 17:31*	*1*
Dibromofluoromethane	*128*	*S1+*	*75 - 126*		*05/24/23 17:31*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*05/24/23 17:31*	*1*

Lab Sample ID: LCS 400-626372/1002
Matrix: Water
Analysis Batch: 626372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	48.4		ug/L		97	70 - 130
Toluene	50.0	52.0		ug/L		104	70 - 130
Ethylbenzene	50.0	53.4		ug/L		107	70 - 130
Xylenes, Total	100	107		ug/L		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*111*		*64 - 132*
Dibromofluoromethane	*92*		*75 - 126*
4-Bromofluorobenzene	*128*		*72 - 130*

Lab Sample ID: MB 400-626453/4
Matrix: Water
Analysis Batch: 626453

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/25/23 10:43	1
Toluene	<1.0		1.0		ug/L			05/25/23 10:43	1
Ethylbenzene	<1.0		1.0		ug/L			05/25/23 10:43	1
Xylenes, Total	<10		10		ug/L			05/25/23 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*64 - 132*		*05/25/23 10:43*	*1*
Dibromofluoromethane	*119*		*75 - 126*		*05/25/23 10:43*	*1*
4-Bromofluorobenzene	*107*		*72 - 130*		*05/25/23 10:43*	*1*

Lab Sample ID: LCS 400-626453/1002
Matrix: Water
Analysis Batch: 626453

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	52.2		ug/L		104	70 - 130
Toluene	50.0	53.6		ug/L		107	70 - 130
Ethylbenzene	50.0	56.1		ug/L		112	70 - 130

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

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

Lab Sample ID: LCS 400-626453/1002
Matrix: Water
Analysis Batch: 626453

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	113		ug/L		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*64 - 132*
Dibromofluoromethane	*98*		*75 - 126*
4-Bromofluorobenzene	*126*		*72 - 130*

Lab Sample ID: MB 400-627179/4
Matrix: Water
Analysis Batch: 627179

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/31/23 15:12	1
Toluene	<1.0		1.0		ug/L			05/31/23 15:12	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/23 15:12	1
Xylenes, Total	<10		10		ug/L			05/31/23 15:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/31/23 15:12*	*1*
Dibromofluoromethane	*129*	*S1+*	*75 - 126*		*05/31/23 15:12*	*1*
4-Bromofluorobenzene	*107*		*72 - 130*		*05/31/23 15:12*	*1*

Lab Sample ID: LCS 400-627179/1002
Matrix: Water
Analysis Batch: 627179

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	51.5		ug/L		103	70 - 130		
Toluene			50.0	55.8		ug/L		112	70 - 130		
Ethylbenzene			50.0	57.9		ug/L		116	70 - 130		
Xylenes, Total			100	115		ug/L		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*64 - 132*
Dibromofluoromethane	*95*		*75 - 126*
4-Bromofluorobenzene	*128*		*72 - 130*

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	Sampler: Sarah Gardner / Sean Clary	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120292-41342.1
Client Contact: Joe Wiley	Phone: 303 291 2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040032			
Email: joe.wiley@kindermorgan.com	WO #: James F. Bell_ERG_ARF_04-26-2023			
Project Name: James F. Bell #1E.00	Project #: 40015823			
Site: James F. Bell	SSOW#:			

Analysis Requested

400-237958 COC

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

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)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Trip Blank	5/18/23	715	—	Water	—		2	2	Trip Blank
DUP-01	5/18/23	720	G	Water	—		2	2	
MW-5	5/18/23	830	G	Water	—		2	2	
MW-6	5/18/23	855	G	Water	—		2	2	Unpreserved
MW-7	5/18/23	1000	G	Water	—		2	2	
MW-12	5/18/23	950	G	Water	—		2	2	
MW-13	5/18/23	915	G	Water	—		2	2	
MW-14	5/18/23	925	G	Water	—		2	2	
MW-15	5/18/23	930	G	Water	—		2	2	
MW-16	5/18/23	845	G	Water	—		2	2	Unpreserved
MW-17	5/18/23	850	G	Water	—		2	2	

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		5/18/23 1630	Stantec		5/19/23 9:07	
2						
3						

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

Cooler Temperature(s) °C and Other Remarks: 3.8°C IR7

Ver: 06/08/2021

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	Sampler: Sarah Gardner / Sam Clary	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120292-41342.2
Client Contact: Joe Wiley	Phone: 303 291 2237	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040032			
Email: joe.wiley@kindermorgan.com	WO #: James F. Bell_ERG_ARF_04-26-2023			
Project Name: James F. Bell #1E.00	Project #: 40015823			
Site: James F. Bell	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)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
MW-18	5/18/23	810	G	Water	-	2	2	

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
	5/18/23 1630	Stantec		5/19/23 9:09	
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:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-237958-1
SDG Number: James F. Bell

Login Number: 237958
List Number: 1
Creator: Roberts, Alexis J

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.	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	3.8°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-237958-1
SDG: James F. Bell

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	02-22-26
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
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
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
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/8/2023 4:39:09 PM

JOB DESCRIPTION

James F. Bell #1E
SDG NUMBER San Juan River Basin, NM

JOB NUMBER

400-242642-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Laboratory Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Job ID: 400-242642-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242642-1

Comments
No additional comments.

Receipt
The samples were received on 8/29/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air Toxics
Method TO-15: The following samples were diluted due to the abundance of non-target analytes: MW-1 Stack (400-242642-1) and MW-11 Stack (400-242642-5). A more concentrated analysis was not possible.

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: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-1 Stack — Lab Sample ID: 400-242642-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	29		0.66		mg/m3	1035		TO-15	Total/NA
Toluene	35		0.78		mg/m3	1035		TO-15	Total/NA
m,p-Xylene	36		2.2		mg/m3	1035		TO-15	Total/NA
Xylene, o-	7.5		0.90		mg/m3	1035		TO-15	Total/NA
Xylene (total)	44		3.1		mg/m3	1035		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	1800		59		mg/m3	1035		TO3	Total/NA

Client Sample ID: MW-1 Well — Lab Sample ID: 400-242642-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100		18		mg/m3	27400		TO-15	Total/NA
Toluene	1900		21		mg/m3	27400		TO-15	Total/NA
Ethylbenzene	45		24		mg/m3	27400		TO-15	Total/NA
m,p-Xylene	2600		59		mg/m3	27400		TO-15	Total/NA
Xylene, o-	600		24		mg/m3	27400		TO-15	Total/NA
Xylene (total)	3200		83		mg/m3	27400		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	90000		1600		mg/m3	27400		TO3	Total/NA

Client Sample ID: MW-8 Stack — Lab Sample ID: 400-242642-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	870		19		mg/m3	29700		TO-15	Total/NA
Toluene	1600		22		mg/m3	29700		TO-15	Total/NA
Ethylbenzene	170		26		mg/m3	29700		TO-15	Total/NA
m,p-Xylene	1300		64		mg/m3	29700		TO-15	Total/NA
Xylene, o-	220		26		mg/m3	29700		TO-15	Total/NA
Xylene (total)	1500		90		mg/m3	29700		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	87000		1700		mg/m3	29700		TO3	Total/NA

Client Sample ID: MW-8 Well — Lab Sample ID: 400-242642-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		0.16		mg/m3	248		TO-15	Total/NA
Toluene	17		0.19		mg/m3	248		TO-15	Total/NA
Ethylbenzene	1.9		0.22		mg/m3	248		TO-15	Total/NA
m,p-Xylene	14		0.54		mg/m3	248		TO-15	Total/NA
Xylene, o-	2.1		0.22		mg/m3	248		TO-15	Total/NA
Xylene (total)	16		0.75		mg/m3	248		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	870		14		mg/m3	248		TO3	Total/NA

Client Sample ID: MW-11 Stack — Lab Sample ID: 400-242642-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		0.64		mg/m3	999		TO-15	Total/NA
Toluene	4.5		0.75		mg/m3	999		TO-15	Total/NA
Ethylbenzene	2.8		0.87		mg/m3	999		TO-15	Total/NA
m,p-Xylene	15		2.2		mg/m3	999		TO-15	Total/NA
Xylene, o-	1.8		0.87		mg/m3	999		TO-15	Total/NA
Xylene (total)	17		3.0		mg/m3	999		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	970		57		mg/m3	999		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-11 Well — Lab Sample ID: 400-242642-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	100		3.2		mg/m3	4956		TO-15	Total/NA
Toluene	71		3.7		mg/m3	4956		TO-15	Total/NA
Ethylbenzene	73		4.3		mg/m3	4956		TO-15	Total/NA
m,p-Xylene	380		11		mg/m3	4956		TO-15	Total/NA
Xylene, o-	50		4.3		mg/m3	4956		TO-15	Total/NA
Xylene (total)	430		15		mg/m3	4956		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	27000		280		mg/m3	4956		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR
TO3	Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-242642-1	MW-1 Stack	Air	08/23/23 16:11	08/29/23 10:30	Air Canister (6-Liter) #34000074
400-242642-2	MW-1 Well	Air	08/23/23 16:05	08/29/23 10:30	Air Canister (6-Liter) #5450
400-242642-3	MW-8 Stack	Air	08/24/23 16:10	08/29/23 10:30	Air Canister (6-Liter) #5434
400-242642-4	MW-8 Well	Air	08/24/23 16:06	08/29/23 10:30	Air Canister (6-Liter) #4018
400-242642-5	MW-11 Stack	Air	08/25/23 16:12	08/29/23 10:30	Air Canister (6-Liter) #5448
400-242642-6	MW-11 Well	Air	08/25/23 16:18	08/29/23 10:30	Air Canister (6-Liter) #4309

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-1 Stack

Date Collected: 08/23/23 16:11
Date Received: 08/29/23 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 400-242642-1

Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**29**		0.66		mg/m3			08/31/23 00:40	1035
Toluene	**35**		0.78		mg/m3			08/31/23 00:40	1035
Ethylbenzene	<0.90		0.90		mg/m3			08/31/23 00:40	1035
m,p-Xylene	**36**		2.2		mg/m3			08/31/23 00:40	1035
Xylene, o-	**7.5**		0.90		mg/m3			08/31/23 00:40	1035
Xylene (total)	**44**		3.1		mg/m3			08/31/23 00:40	1035

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**1800**		59		mg/m3			08/31/23 00:40	1035

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-1 Well

Lab Sample ID: 400-242642-2
Matrix: Air

Date Collected: 08/23/23 16:05
Date Received: 08/29/23 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		18		mg/m3			08/31/23 13:02	27400
Toluene	1900		21		mg/m3			08/31/23 13:02	27400
Ethylbenzene	45		24		mg/m3			08/31/23 13:02	27400
m,p-Xylene	2600		59		mg/m3			08/31/23 13:02	27400
Xylene, o-	600		24		mg/m3			08/31/23 13:02	27400
Xylene (total)	3200		83		mg/m3			08/31/23 13:02	27400

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	90000		1600		mg/m3			08/31/23 13:02	27400

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-8 Stack

Date Collected: 08/24/23 16:10
Date Received: 08/29/23 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 400-242642-3

Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	870		19		mg/m3			08/31/23 13:56	29700
Toluene	1600		22		mg/m3			08/31/23 13:56	29700
Ethylbenzene	170		26		mg/m3			08/31/23 13:56	29700
m,p-Xylene	1300		64		mg/m3			08/31/23 13:56	29700
Xylene, o-	220		26		mg/m3			08/31/23 13:56	29700
Xylene (total)	1500		90		mg/m3			08/31/23 13:56	29700

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	87000		1700		mg/m3			08/31/23 13:56	29700

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-8 Well

Lab Sample ID: 400-242642-4
Matrix: Air

Date Collected: 08/24/23 16:06
Date Received: 08/29/23 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13		0.16		mg/m3			08/31/23 14:50	248
Toluene	17		0.19		mg/m3			08/31/23 14:50	248
Ethylbenzene	1.9		0.22		mg/m3			08/31/23 14:50	248
m,p-Xylene	14		0.54		mg/m3			08/31/23 14:50	248
Xylene, o-	2.1		0.22		mg/m3			08/31/23 14:50	248
Xylene (total)	16		0.75		mg/m3			08/31/23 14:50	248

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	870		14		mg/m3			08/31/23 14:50	248

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-11 Stack

Lab Sample ID: 400-242642-5
Matrix: Air
Date Collected: 08/25/23 16:12
Date Received: 08/29/23 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12		0.64		mg/m3			08/31/23 15:44	999
Toluene	4.5		0.75		mg/m3			08/31/23 15:44	999
Ethylbenzene	2.8		0.87		mg/m3			08/31/23 15:44	999
m,p-Xylene	15		2.2		mg/m3			08/31/23 15:44	999
Xylene, o-	1.8		0.87		mg/m3			08/31/23 15:44	999
Xylene (total)	17		3.0		mg/m3			08/31/23 15:44	999

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	970		57		mg/m3			08/31/23 15:44	999

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-11 Well

Lab Sample ID: 400-242642-6
Matrix: Air

Date Collected: 08/25/23 16:18
Date Received: 08/29/23 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	100		3.2		mg/m3			08/31/23 16:39	4956
Toluene	71		3.7		mg/m3			08/31/23 16:39	4956
Ethylbenzene	73		4.3		mg/m3			08/31/23 16:39	4956
m,p-Xylene	380		11		mg/m3			08/31/23 16:39	4956
Xylene, o-	50		4.3		mg/m3			08/31/23 16:39	4956
Xylene (total)	430		15		mg/m3			08/31/23 16:39	4956

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	27000		280		mg/m3			08/31/23 16:39	4956

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

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: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: MW-1 Stack
Lab Sample ID: 400-242642-1
Date Collected: 08/23/23 16:11
Matrix: Air
Date Received: 08/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1035	20 mL	200 mL	194983	08/31/23 00:40	VTP	EET BUR
Total/NA	Analysis	TO3		1035	20 mL	200 mL	195044	08/31/23 00:40	VTP	EET BUR

Client Sample ID: MW-1 Well
Lab Sample ID: 400-242642-2
Date Collected: 08/23/23 16:05
Matrix: Air
Date Received: 08/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		27400	20 mL	200 mL	195032	08/31/23 13:02	K1P	EET BUR
Total/NA	Analysis	TO3		27400	20 mL	200 mL	195075	08/31/23 13:02	VTP	EET BUR

Client Sample ID: MW-8 Stack
Lab Sample ID: 400-242642-3
Date Collected: 08/24/23 16:10
Matrix: Air
Date Received: 08/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		29700	20 mL	200 mL	195032	08/31/23 13:56	K1P	EET BUR
Total/NA	Analysis	TO3		29700	20 mL	200 mL	195075	08/31/23 13:56	VTP	EET BUR

Client Sample ID: MW-8 Well
Lab Sample ID: 400-242642-4
Date Collected: 08/24/23 16:06
Matrix: Air
Date Received: 08/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		248	21 mL	200 mL	195032	08/31/23 14:50	K1P	EET BUR
Total/NA	Analysis	TO3		248	21 mL	200 mL	195075	08/31/23 14:50	VTP	EET BUR

Client Sample ID: MW-11 Stack
Lab Sample ID: 400-242642-5
Date Collected: 08/25/23 16:12
Matrix: Air
Date Received: 08/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		999	20 mL	200 mL	195032	08/31/23 15:44	K1P	EET BUR
Total/NA	Analysis	TO3		999	20 mL	200 mL	195075	08/31/23 15:44	VTP	EET BUR

Client Sample ID: MW-11 Well
Lab Sample ID: 400-242642-6
Date Collected: 08/25/23 16:18
Matrix: Air
Date Received: 08/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		4956	21 mL	200 mL	195032	08/31/23 16:39	K1P	EET BUR
Total/NA	Analysis	TO3		4956	21 mL	200 mL	195075	08/31/23 16:39	VTP	EET BUR

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: Method Blank — Lab Sample ID: MB 200-194983/4

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	194983	08/30/23 09:46	VTP	EET BUR

Client Sample ID: Method Blank — Lab Sample ID: MB 200-195032/6

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	195032	08/31/23 11:13	K1P	EET BUR

Client Sample ID: Method Blank — Lab Sample ID: MB 200-195044/4

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	195044	08/30/23 09:46	VTP	EET BUR

Client Sample ID: Method Blank — Lab Sample ID: MB 200-195075/6

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	195075	08/31/23 11:13	VTP	EET BUR

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 200-194983/3

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	194983	08/30/23 08:53	VTP	EET BUR

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 200-195032/5

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	195032	08/31/23 10:19	K1P	EET BUR

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 200-195044/3

Date Collected: N/A
Date Received: N/A
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	195044	08/30/23 08:53	VTP	EET BUR

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 200-195075/5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	195075	08/31/23 10:19	VTP	EET BUR

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Air - GC/MS VOA

Analysis Batch: 194983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242642-1	MW-1 Stack	Total/NA	Air	TO-15	
MB 200-194983/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-194983/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 195032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242642-2	MW-1 Well	Total/NA	Air	TO-15	
400-242642-3	MW-8 Stack	Total/NA	Air	TO-15	
400-242642-4	MW-8 Well	Total/NA	Air	TO-15	
400-242642-5	MW-11 Stack	Total/NA	Air	TO-15	
400-242642-6	MW-11 Well	Total/NA	Air	TO-15	
MB 200-195032/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-195032/5	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 195044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242642-1	MW-1 Stack	Total/NA	Air	TO3	
MB 200-195044/4	Method Blank	Total/NA	Air	TO3	
LCS 200-195044/3	Lab Control Sample	Total/NA	Air	TO3	

Analysis Batch: 195075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242642-2	MW-1 Well	Total/NA	Air	TO3	
400-242642-3	MW-8 Stack	Total/NA	Air	TO3	
400-242642-4	MW-8 Well	Total/NA	Air	TO3	
400-242642-5	MW-11 Stack	Total/NA	Air	TO3	
400-242642-6	MW-11 Well	Total/NA	Air	TO3	
MB 200-195075/6	Method Blank	Total/NA	Air	TO3	
LCS 200-195075/5	Lab Control Sample	Total/NA	Air	TO3	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-194983/4
Matrix: Air
Analysis Batch: 194983

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			08/30/23 09:46	1
Toluene	<0.00075		0.00075		mg/m3			08/30/23 09:46	1
Ethylbenzene	<0.00087		0.00087		mg/m3			08/30/23 09:46	1
m,p-Xylene	<0.0022		0.0022		mg/m3			08/30/23 09:46	1
Xylene, o-	<0.00087		0.00087		mg/m3			08/30/23 09:46	1
Xylene (total)	<0.0030		0.0030		mg/m3			08/30/23 09:46	1

Lab Sample ID: LCS 200-194983/3
Matrix: Air
Analysis Batch: 194983

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0319	0.0287		mg/m3		90	73 - 119
Toluene	0.0377	0.0349		mg/m3		93	75 - 122
Ethylbenzene	0.0434	0.0401		mg/m3		92	74 - 122
m,p-Xylene	0.0868	0.0820		mg/m3		94	76 - 121
Xylene, o-	0.0434	0.0416		mg/m3		96	73 - 123

Lab Sample ID: MB 200-195032/6
Matrix: Air
Analysis Batch: 195032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			08/31/23 11:13	1
Toluene	<0.00075		0.00075		mg/m3			08/31/23 11:13	1
Ethylbenzene	<0.00087		0.00087		mg/m3			08/31/23 11:13	1
m,p-Xylene	<0.0022		0.0022		mg/m3			08/31/23 11:13	1
Xylene, o-	<0.00087		0.00087		mg/m3			08/31/23 11:13	1
Xylene (total)	<0.0030		0.0030		mg/m3			08/31/23 11:13	1

Lab Sample ID: LCS 200-195032/5
Matrix: Air
Analysis Batch: 195032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0319	0.0327		mg/m3		103	73 - 119
Toluene	0.0377	0.0354		mg/m3		94	75 - 122
Ethylbenzene	0.0434	0.0407		mg/m3		94	74 - 122
m,p-Xylene	0.0868	0.0818		mg/m3		94	76 - 121
Xylene, o-	0.0434	0.0409		mg/m3		94	73 - 123

Method: TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Lab Sample ID: MB 200-195044/4
Matrix: Air
Analysis Batch: 195044

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057		mg/m3			08/30/23 09:46	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job ID: 400-242642-1
SDG: San Juan River Basin, NM

Method: TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC) (Continued)

Lab Sample ID: LCS 200-195044/3
Matrix: Air
Analysis Batch: 195044

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
n-Octane			0.0467	0.0411		mg/m3		88	70 - 130		

Lab Sample ID: MB 200-195075/6
Matrix: Air
Analysis Batch: 195075

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057		mg/m3			08/31/23 11:13	1

Lab Sample ID: LCS 200-195075/5
Matrix: Air
Analysis Batch: 195075

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
n-Octane			0.0467	0.0487		mg/m3		104	70 - 130		

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802 660.1990 fax 802.660 1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc assumes no liability with respect to the collection and shipment of these samples

400-242642 Chain of Custody

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Steve Varsa	**Samples Collected By:** Scott Stanley	COC No.
Company Name: Stantec Consulting	**Phone:**		1 of 1 COCs
Address: 1311 Aurora Avenue	**Email:** steve.varsa@stantec.com		TALS Project #:
City/State/Zip: Des Moines, IA 50322			**For Lab Use Only:**
Phone: 515-253-0830	**Site Contact:**		Walk-in Client:
FAX:	**Tel/Fax**		Lab Sampling:
Project Name: James F Bell	**Analysis Turnaround Time**		Job / SDG No:
Site/Location: San Juan River Basin, NM	Standard (Specific): X		(See below for Add'l Items)
P O # 193709654	Rush (Specify):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
MW-1 Stack	8/23/23	1611	8/23/23	1611	-25	0.0	6569	34000074	X						X					X			TO-3 BTEX TO-15 TPH
MW-1 Well	8/23/23	1605	8/23/23	1605	-25	-1.5	6569	5450	X						X					X			TO-3 BTEX TO-15 TPH
MW-8 Stack	8/24/23	1610	8/23/23	1610	-25	-1.5	6175	5434	X						X					X			TO-3 BTEX TO-15 TPH
MW-8 Well	8/24/23	1606	8/24/23	1606	-25.5	0.0	6175	4018	X						X					X			TO-3 BTEX TO-15 TPH
MW-11 Stack	8/25/23	1612	8/25/23	1612	-27.5	-2.0	5336	5448	X						X					X			TO-3 BTEX TO-15 TPH
MW-11 Well	8/25/23	1618	8/25/23	1618	-28	-5.0	5336	4309	X						X					X			TO-3 BTEX TO-15 TPH

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Ref: S400-122438 Date: 18Aug23 SHIPPING: 0.00
Dep: Wgt: 10.00 LBS SPECIAL: 0.00
HANDLING: 0.00
DV: 0.00 TOTAL: 0.00

Svcs: PRIORITY OVERNIGHT Master 6862 7349 8780
TRCK: 6862 7349 8790

Special Instructions/QC Requirements & Comments:
Shipping Order ID# 122438

Samples Shipped by: Scott Stanley	**Date / Time:** 8/26/25 FEDEX P/U	**Samples Received by:**	
Samples Relinquished by:	**Date / Time:**	**Received by:**	
Relinquished by:	**Date / Time:**	**Received by:**	
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**	

Ref: S400-122438 Date: 18Aug23 SHIPPING: 0.00
Dep: Wgt: 10.00 LBS SPECIAL: 0.00
HANDLING: 0.00
DV: 0.00 TOTAL: 0.00

Svcs. PRIORITY OVERNIGHT Master 6862 7349 8780
TRCK: 6862 7349 8780

ETA BUN 8/29/25 1030


SCOTT STANLEY, GUEST
FARMINGTON COMFORT SUITES
1951 CORTLAND DRIVE
FARMINGTON, NM 87401
UNITED STATES US
SHIP DATE: 18AUG23
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3709
TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S400-122438
RMA:
FedEx Express
TRK# 0221 6862 7349 8780
XE BTVA
4439417 26Aug2023 FMNA 581G5/7584/C088
ORIGIN ID:BTVA (505) 675-0151
REF: S400-122437
TRK# 0221 6862 7349 8920
RETURNS MON-S
TUE - 29 AUG 10
PRIORITY OVERN
VT-US
TRK# 0221 6862 7349 8919
TUE - 29 AUG 10:30A
PRIORITY OVERNIGHT
EXP 01/24
J231022110201uv


eurofins
Environment Testing
TestAmerica
Part # 159469-434 MTW EXP 03/24
ORIGIN ID:BTVA (505) 675-0151
SCOTT STANLEY, GUEST
FARMINGTON COMFORT SUITES
FARMINGTON, NM 87401
UNITED STATES US
SHIP DATE: 18AUG23
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3709
TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S400 - 122438
RMA:
FedEx
Express
TRK# 0221 6862 7349 8790
RETURNS MON-SAT
PRIORITY OVERNIGHT
MON - 28 AUG AA
PRIORITY OVERNIGHT
FedEx
TRK# 0221 6862 7349 8790
XE BTVA
05403
VT-US
BTV

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-242642-1
SDG Number: San Juan River Basin, NM

Login Number: 242642
List Number: 1
Creator: Reynolds, Jamie K

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
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.	N/A	
Sample Preservation Verified.	True	
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	Check done at department level as required.

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-242642-1
Project/Site: James F. Bell #1E
SDG: San Juan River Basin, NM

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-18-24
Florida	NELAP	E87467	06-30-24
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-24
New York	NELAP	10391	03-31-24
Pennsylvania	NELAP	68-00489	04-30-24
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-24
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399140830	08-31-23

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job No.: 400-242642-1
SDG No.: San Juan River Basin, NM

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
400-242642-1	6	-5.9	0.80	4.82	38.4	3.61	21.67		4.50	4.50	G35	08/30/23 13:31	CRC
400-242642-1	6	0.0	1.00	6.00	39.9	3.71	22.29		3.71	16.71	G35	08/30/23 13:31	CRC
400-242642-1	6	0.0	1.00	6.00	40.6	3.76	22.57		3.76	62.87	G35	08/30/23 13:31	CRC
400-242642-1	6	0.0	1.00	6.00	9.5	1.65	9.88		1.65	103.50	G35	08/30/23 13:32	CRC
400-242642-2	6	-7.5	0.75	4.50	40.4	3.75	22.49		5.00	5.00	G35	08/30/23 11:37	CRC
400-242642-2	6	0.0	1.00	6.00	39.2	3.67	22.00		3.67	18.34	G35	08/30/23 11:37	CRC
400-242642-2	6	0.0	1.00	6.00	39.9	3.71	22.29		3.71	68.13	G35	08/30/23 11:37	CRC
400-242642-2	6	0.0	1.00	6.00	40.2	3.73	22.41		3.73	254.43	G35	08/30/23 11:37	CRC
400-242642-2	6	0.0	1.00	6.00	39.6	3.69	22.16		3.69	939.84	G35	08/30/23 14:14	CRC
400-242642-2	6	0.0	1.00	6.00	28.2	2.92	17.51		2.92	2742.83	G35	08/30/23 14:15	CRC
400-242642-3	6	-7.5	0.75	4.50	40.2	3.73	22.41		4.98	4.98	G35	08/30/23 11:50	CRC
400-242642-3	6	0.0	1.00	6.00	40.9	3.78	22.69		3.78	18.85	G35	08/30/23 11:50	CRC
400-242642-3	6	0.0	1.00	6.00	39.4	3.68	22.08		3.68	69.38	G35	08/30/23 11:50	CRC
400-242642-3	6	0.0	1.00	6.00	40.7	3.77	22.61		3.77	261.46	G35	08/30/23 11:50	CRC
400-242642-3	6	0.0	1.00	6.00	39.8	3.71	22.24		3.71	969.37	G35	08/30/23 14:42	CRC
400-242642-3	6	0.0	1.00	6.00	30.4	3.07	18.41		3.07	2974.03	G35	08/30/23 14:42	CRC
400-242642-4	6	-6.4	0.79	4.72	39.6	3.69	22.16		4.70	4.70	G35	08/30/23 13:47	CRC
400-242642-4	6	0.0	1.00	6.00	39.7	3.70	22.20		3.70	17.39	G35	08/30/23 13:47	CRC
400-242642-4	6	0.0	1.00	6.00	7.2	1.49	8.94		1.49	25.91	G35	08/30/23 13:47	CRC
400-242642-5	6	-7.3	0.76	4.54	46.6	4.17	25.02		5.52	5.52	G35	08/30/23 13:54	CRC
400-242642-5	6	0.0	1.00	6.00	47.5	4.23	25.39		4.23	23.34	G35	08/30/23 13:54	CRC
400-242642-5	6	0.0	1.00	6.00	48.2	4.28	25.67		4.28	99.87	G35	08/30/23 13:54	CRC
400-242642-6	6	-9.2	0.69	4.16	39.4	3.68	22.08		5.31	5.31	G35	08/30/23 11:23	CRC
400-242642-6	6	0.0	1.00	6.00	39.6	3.69	22.16		3.69	19.63	G35	08/30/23 11:23	CRC
400-242642-6	6	0.0	1.00	6.00	40.1	3.73	22.37		3.73	73.18	G35	08/30/23 11:23	CRC
400-242642-6	6	0.0	1.00	6.00	39.6	3.69	22.16		3.69	270.33	G35	08/30/23 15:21	CRC
400-242642-6	6	0.0	1.00	6.00	13.6	1.93	11.55		1.93	520.43	G35	08/30/23 15:22	CRC

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E

Job No.: 400-242642-1
SDG No.: San Juan River Basin, NM

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/5/2023 9:28:14 AM

JOB DESCRIPTION

James F. Bell #1E.00

JOB NUMBER

400-246912-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization

Generated
12/5/2023 9:28:14 AM

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(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Laboratory Job ID: 400-246912-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Job ID: 400-246912-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-246912-1

Receipt
The samples were received on 11/16/2023 10:27 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-3 (400-246912-2) and MW-6 (400-246912-5). 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: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-2 — Lab Sample ID: 400-246912-1

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-246912-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15		1.0		ug/L	1		8260D	Total/NA
Toluene	7.3		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total	210		10		ug/L	1		8260D	Total/NA
Ethylbenzene - DL	370		2.0		ug/L	2		8260D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 400-246912-3

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-246912-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		1.0		ug/L	1		8260D	Total/NA
Toluene	1.9		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-246912-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		5.0		ug/L	5		8260D	Total/NA
Ethylbenzene	46		5.0		ug/L	5		8260D	Total/NA
Xylenes, Total	710		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-246912-6

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 400-246912-7

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 400-246912-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	7.6		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 400-246912-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.7		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 400-246912-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.2		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	15		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 400-246912-11

No Detections.

Client Sample ID: MW-17 — Lab Sample ID: 400-246912-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0		ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-17 (Continued) — Lab Sample ID: 400-246912-12

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

Client Sample ID: MW-18 — Lab Sample ID: 400-246912-13

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-246912-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	6.7		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: TB-01 — Lab Sample ID: 400-246912-15

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Method	Method Description	Protocol	Laboratory
8260D	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: James F. Bell #1E.00

Job ID: 400-246912-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246912-1	MW-2	Water	11/15/23 08:43	11/16/23 10:27
400-246912-2	MW-3	Water	11/15/23 08:50	11/16/23 10:27
400-246912-3	MW-4	Water	11/15/23 08:58	11/16/23 10:27
400-246912-4	MW-5	Water	11/15/23 09:06	11/16/23 10:27
400-246912-5	MW-6	Water	11/15/23 09:14	11/16/23 10:27
400-246912-6	MW-9	Water	11/15/23 09:24	11/16/23 10:27
400-246912-7	MW-12	Water	11/15/23 09:31	11/16/23 10:27
400-246912-8	MW-13	Water	11/15/23 08:30	11/16/23 10:27
400-246912-9	MW-14	Water	11/15/23 09:39	11/16/23 10:27
400-246912-10	MW-15	Water	11/15/23 09:48	11/16/23 10:27
400-246912-11	MW-16	Water	11/15/23 09:56	11/16/23 10:27
400-246912-12	MW-17	Water	11/15/23 10:03	11/16/23 10:27
400-246912-13	MW-18	Water	11/15/23 10:11	11/16/23 10:27
400-246912-14	DUP-01	Water	11/15/23 12:00	11/16/23 10:27
400-246912-15	TB-01	Water	11/15/23 08:00	11/16/23 10:27

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-2

Date Collected: 11/15/23 08:43
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 12:42	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 12:42	1
Toluene	<1.0		1.0		ug/L			11/27/23 12:42	1
Xylenes, Total	<10		10		ug/L			11/27/23 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/27/23 12:42*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*11/27/23 12:42*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/27/23 12:42*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-3
Date Collected: 11/15/23 08:50
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15**		1.0		ug/L			11/27/23 13:09	1
Toluene	**7.3**		1.0		ug/L			11/27/23 13:09	1
Xylenes, Total	**210**		10		ug/L			11/27/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/27/23 13:09*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*11/27/23 13:09*	*1*
Toluene-d8 (Surr)	*110*		*64 - 132*		*11/27/23 13:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**370**		2.0		ug/L			11/29/23 15:25	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/29/23 15:25*	*2*
Dibromofluoromethane	*84*		*75 - 126*		*11/29/23 15:25*	*2*
Toluene-d8 (Surr)	*111*		*64 - 132*		*11/29/23 15:25*	*2*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-4

Date Collected: 11/15/23 08:58
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 13:36	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 13:36	1
Toluene	<1.0		1.0		ug/L			11/27/23 13:36	1
Xylenes, Total	<10		10		ug/L			11/27/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*72 - 130*		*11/27/23 13:36*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*11/27/23 13:36*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/27/23 13:36*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-5
Date Collected: 11/15/23 09:06
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12**		1.0		ug/L			11/27/23 14:02	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 14:02	1
Toluene	**1.9**		1.0		ug/L			11/27/23 14:02	1
Xylenes, Total	<10		10		ug/L			11/27/23 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*72 - 130*		*11/27/23 14:02*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/27/23 14:02*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/27/23 14:02*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-6
Date Collected: 11/15/23 09:14
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**160**		5.0		ug/L			11/22/23 14:09	5
Ethylbenzene	**46**		5.0		ug/L			11/22/23 14:09	5
Toluene	<5.0		5.0		ug/L			11/22/23 14:09	5
Xylenes, Total	**710**		50		ug/L			11/22/23 14:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/22/23 14:09*	*5*
Dibromofluoromethane	*105*		*75 - 126*		*11/22/23 14:09*	*5*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/22/23 14:09*	*5*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-9

Date Collected: 11/15/23 09:24
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 17:09	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 17:09	1
Toluene	<1.0		1.0		ug/L			11/27/23 17:09	1
Xylenes, Total	<10		10		ug/L			11/27/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/27/23 17:09*	*1*
Dibromofluoromethane	*115*		*75 - 126*		*11/27/23 17:09*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*11/27/23 17:09*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-12
Date Collected: 11/15/23 09:31
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 17:36	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 17:36	1
Toluene	<1.0		1.0		ug/L			11/27/23 17:36	1
Xylenes, Total	<10		10		ug/L			11/27/23 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/27/23 17:36*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/27/23 17:36*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/27/23 17:36*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-13
Date Collected: 11/15/23 08:30
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 18:02	1
Ethylbenzene	**7.6**		1.0		ug/L			11/27/23 18:02	1
Toluene	<1.0		1.0		ug/L			11/27/23 18:02	1
Xylenes, Total	<10		10		ug/L			11/27/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/27/23 18:02*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/27/23 18:02*	*1*
Toluene-d8 (Surr)	*84*		*64 - 132*		*11/27/23 18:02*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-14
Date Collected: 11/15/23 09:39
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.7**		1.0		ug/L			11/29/23 12:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/29/23 12:54	1
Toluene	<1.0		1.0		ug/L			11/29/23 12:54	1
Xylenes, Total	<10		10		ug/L			11/29/23 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*72 - 130*		*11/29/23 12:54*	*1*
Dibromofluoromethane	*91*		*75 - 126*		*11/29/23 12:54*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*11/29/23 12:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-15
Date Collected: 11/15/23 09:48
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.2**		1.0		ug/L			11/29/23 13:20	1
Ethylbenzene	**15**		1.0		ug/L			11/29/23 13:20	1
Toluene	<1.0		1.0		ug/L			11/29/23 13:20	1
Xylenes, Total	<10		10		ug/L			11/29/23 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/29/23 13:20*	*1*
Dibromofluoromethane	*88*		*75 - 126*		*11/29/23 13:20*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/29/23 13:20*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-16

Date Collected: 11/15/23 09:56
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 19:23	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 19:23	1
Toluene	<1.0		1.0		ug/L			11/27/23 19:23	1
Xylenes, Total	<10		10		ug/L			11/27/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/27/23 19:23*	*1*
Dibromofluoromethane	*115*		*75 - 126*		*11/27/23 19:23*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/27/23 19:23*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-17
Date Collected: 11/15/23 10:03
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.3**		1.0		ug/L			11/27/23 19:49	1
Ethylbenzene	**2.0**		1.0		ug/L			11/27/23 19:49	1
Toluene	<1.0		1.0		ug/L			11/27/23 19:49	1
Xylenes, Total	<10		10		ug/L			11/27/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*11/27/23 19:49*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/27/23 19:49*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/27/23 19:49*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-18
Date Collected: 11/15/23 10:11
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 20:16	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 20:16	1
Toluene	<1.0		1.0		ug/L			11/27/23 20:16	1
Xylenes, Total	<10		10		ug/L			11/27/23 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/27/23 20:16*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*11/27/23 20:16*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*11/27/23 20:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: DUP-01
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 20:42	1
Ethylbenzene	**6.7**		1.0		ug/L			11/27/23 20:42	1
Toluene	<1.0		1.0		ug/L			11/27/23 20:42	1
Xylenes, Total	<10		10		ug/L			11/27/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/27/23 20:42*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*11/27/23 20:42*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/27/23 20:42*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: TB-01

Date Collected: 11/15/23 08:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 15:49	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 15:49	1
Toluene	<1.0		1.0		ug/L			11/27/23 15:49	1
Xylenes, Total	<10		10		ug/L			11/27/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/27/23 15:49*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*11/27/23 15:49*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/27/23 15:49*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

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: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-2
Date Collected: 11/15/23 08:43
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 12:42	BPO	EET PEN

Client Sample ID: MW-3
Date Collected: 11/15/23 08:50
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	2	5 mL	5 mL	652102	11/29/23 15:25	BPO	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 13:09	BPO	EET PEN

Client Sample ID: MW-4
Date Collected: 11/15/23 08:58
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 13:36	BPO	EET PEN

Client Sample ID: MW-5
Date Collected: 11/15/23 09:06
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-4
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	8260D		1	5 mL	5 mL	651676	11/27/23 14:02	BPO	EET PEN

Client Sample ID: MW-6
Date Collected: 11/15/23 09:14
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	651420	11/22/23 14:09	BPO	EET PEN

Client Sample ID: MW-9
Date Collected: 11/15/23 09:24
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 17:09	BPO	EET PEN

Client Sample ID: MW-12
Date Collected: 11/15/23 09:31
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 17:36	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-13
Date Collected: 11/15/23 08:30
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 18:02	BPO	EET PEN

Client Sample ID: MW-14
Date Collected: 11/15/23 09:39
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	652102	11/29/23 12:54	BPO	EET PEN

Client Sample ID: MW-15
Date Collected: 11/15/23 09:48
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-10
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	8260D		1	5 mL	5 mL	652102	11/29/23 13:20	BPO	EET PEN

Client Sample ID: MW-16
Date Collected: 11/15/23 09:56
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 19:23	BPO	EET PEN

Client Sample ID: MW-17
Date Collected: 11/15/23 10:03
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 19:49	BPO	EET PEN

Client Sample ID: MW-18
Date Collected: 11/15/23 10:11
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 20:16	BPO	EET PEN

Client Sample ID: DUP-01
Date Collected: 11/15/23 12:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 20:42	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: TB-01
Date Collected: 11/15/23 08:00
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 15:49	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-651420/3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 11:54	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-651676/3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 12:15	BPO	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-652102/3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	652102	11/29/23 12:04	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-651420/1001
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 09:54	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-651676/1001
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 10:59	BPO	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-652102/1001
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	652102	11/29/23 10:58	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

Client Sample ID: MW-2
Date Collected: 11/15/23 08:43
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-1 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 14:29	BPO	EET PEN

Client Sample ID: MW-2
Date Collected: 11/15/23 08:43
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-1 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651676	11/27/23 14:56	BPO	EET PEN

Client Sample ID: MW-14
Date Collected: 11/15/23 09:39
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-9 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	652102	11/29/23 16:15	BPO	EET PEN

Client Sample ID: MW-14
Date Collected: 11/15/23 09:39
Date Received: 11/16/23 10:27

Lab Sample ID: 400-246912-9 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	652102	11/29/23 16:40	BPO	EET PEN

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: James F. Bell #1E.00

Job ID: 400-246912-1

GC/MS VOA

Analysis Batch: 651420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246912-5	MW-6	Total/NA	Water	8260D	
MB 400-651420/3	Method Blank	Total/NA	Water	8260D	
LCS 400-651420/1001	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 651676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246912-1	MW-2	Total/NA	Water	8260D	
400-246912-2	MW-3	Total/NA	Water	8260D	
400-246912-3	MW-4	Total/NA	Water	8260D	
400-246912-4	MW-5	Total/NA	Water	8260D	
400-246912-6	MW-9	Total/NA	Water	8260D	
400-246912-7	MW-12	Total/NA	Water	8260D	
400-246912-8	MW-13	Total/NA	Water	8260D	
400-246912-11	MW-16	Total/NA	Water	8260D	
400-246912-12	MW-17	Total/NA	Water	8260D	
400-246912-13	MW-18	Total/NA	Water	8260D	
400-246912-14	DUP-01	Total/NA	Water	8260D	
400-246912-15	TB-01	Total/NA	Water	8260D	
MB 400-651676/3	Method Blank	Total/NA	Water	8260D	
LCS 400-651676/1001	Lab Control Sample	Total/NA	Water	8260D	
400-246912-1 MS	MW-2	Total/NA	Water	8260D	
400-246912-1 MSD	MW-2	Total/NA	Water	8260D	

Analysis Batch: 652102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246912-2 - DL	MW-3	Total/NA	Water	8260D	
400-246912-9	MW-14	Total/NA	Water	8260D	
400-246912-10	MW-15	Total/NA	Water	8260D	
MB 400-652102/3	Method Blank	Total/NA	Water	8260D	
LCS 400-652102/1001	Lab Control Sample	Total/NA	Water	8260D	
400-246912-9 MS	MW-14	Total/NA	Water	8260D	
400-246912-9 MSD	MW-14	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

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

Lab Sample ID: MB 400-651420/3
Matrix: Water
Analysis Batch: 651420

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 11:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 11:54	1
Toluene	<1.0		1.0		ug/L			11/22/23 11:54	1
Xylenes, Total	<10		10		ug/L			11/22/23 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*11/22/23 11:54*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*11/22/23 11:54*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/22/23 11:54*	*1*

Lab Sample ID: LCS 400-651420/1001
Matrix: Water
Analysis Batch: 651420

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	43.9		ug/L		88	70 - 130
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 130
o-Xylene	50.0	42.8		ug/L		86	70 - 130
Ethylbenzene	50.0	44.0		ug/L		88	70 - 130
Toluene	50.0	44.6		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*72 - 130*
Dibromofluoromethane	*107*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*110*		*67 - 134*

Lab Sample ID: MB 400-651676/3
Matrix: Water
Analysis Batch: 651676

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/27/23 12:15	1
Ethylbenzene	<1.0		1.0		ug/L			11/27/23 12:15	1
Toluene	<1.0		1.0		ug/L			11/27/23 12:15	1
Xylenes, Total	<10		10		ug/L			11/27/23 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/27/23 12:15*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*11/27/23 12:15*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/27/23 12:15*	*1*

Lab Sample ID: LCS 400-651676/1001
Matrix: Water
Analysis Batch: 651676

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	45.5		ug/L		91	70 - 130

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

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

Lab Sample ID: LCS 400-651676/1001
Matrix: Water
Analysis Batch: 651676

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	42.8		ug/L		86	70 - 130		
o-Xylene			50.0	41.5		ug/L		83	70 - 130		
Ethylbenzene			50.0	43.0		ug/L		86	70 - 130		
Toluene			50.0	45.2		ug/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*72 - 130*
Dibromofluoromethane	*106*		*75 - 126*
Toluene-d8 (Surr)	*100*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*100*		*67 - 134*

Lab Sample ID: 400-246912-1 MS
Matrix: Water
Analysis Batch: 651676

Client Sample ID: MW-2
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	43.0		ug/L		86	56 - 142		
m-Xylene & p-Xylene	<5.0		50.0	36.7		ug/L		73	57 - 130		
o-Xylene	<5.0		50.0	36.7		ug/L		73	61 - 130		
Ethylbenzene	<1.0		50.0	37.7		ug/L		75	58 - 131		
Toluene	<1.0		50.0	41.0		ug/L		82	65 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*72 - 130*
Dibromofluoromethane	*109*		*75 - 126*
Toluene-d8 (Surr)	*100*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*106*		*67 - 134*

Lab Sample ID: 400-246912-1 MSD
Matrix: Water
Analysis Batch: 651676

Client Sample ID: MW-2
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	41.2		ug/L		82	56 - 142	4	30
m-Xylene & p-Xylene	<5.0		50.0	34.5		ug/L		69	57 - 130	6	30
o-Xylene	<5.0		50.0	35.5		ug/L		71	61 - 130	3	30
Ethylbenzene	<1.0		50.0	36.4		ug/L		73	58 - 131	4	30
Toluene	<1.0		50.0	39.9		ug/L		80	65 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*72 - 130*
Dibromofluoromethane	*107*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*107*		*67 - 134*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

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

Lab Sample ID: MB 400-652102/3
Matrix: Water
Analysis Batch: 652102

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/29/23 12:04	1
Ethylbenzene	<1.0		1.0		ug/L			11/29/23 12:04	1
Toluene	<1.0		1.0		ug/L			11/29/23 12:04	1
Xylenes, Total	<10		10		ug/L			11/29/23 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*72 - 130*		*11/29/23 12:04*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*11/29/23 12:04*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/29/23 12:04*	*1*

Lab Sample ID: LCS 400-652102/1001
Matrix: Water
Analysis Batch: 652102

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	47.4		ug/L		95	70 - 130
m-Xylene & p-Xylene	50.0	51.8		ug/L		104	70 - 130
o-Xylene	50.0	49.5		ug/L		99	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Toluene	50.0	49.3		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*72 - 130*
Dibromofluoromethane	*99*		*75 - 126*
Toluene-d8 (Surr)	*100*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*122*		*67 - 134*

Lab Sample ID: 400-246912-9 MS
Matrix: Water
Analysis Batch: 652102

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2.7		50.0	46.1		ug/L		87	56 - 142
m-Xylene & p-Xylene	<5.0		50.0	36.5		ug/L		73	57 - 130
o-Xylene	<5.0		50.0	37.2		ug/L		74	61 - 130
Ethylbenzene	<1.0		50.0	36.3		ug/L		73	58 - 131
Toluene	<1.0		50.0	40.7		ug/L		81	65 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*72 - 130*
Dibromofluoromethane	*82*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*108*		*67 - 134*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: James F. Bell #1E.00

Job ID: 400-246912-1

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

Lab Sample ID: 400-246912-9 MSD
Matrix: Water
Analysis Batch: 652102

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	2.7		50.0	53.5		ug/L		102	56 - 142	15	30
m-Xylene & p-Xylene	<5.0		50.0	43.3		ug/L		87	57 - 130	17	30
o-Xylene	<5.0		50.0	44.5		ug/L		89	61 - 130	18	30
Ethylbenzene	<1.0		50.0	43.4		ug/L		87	58 - 131	18	30
Toluene	<1.0		50.0	48.8		ug/L		98	65 - 130	18	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*72 - 130*
Dibromofluoromethane	*84*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*106*		*67 - 134*

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

Chain of Custody Record

eurofins | Environment Testing

400-246912 COC

Client Information	Sampler: SRC/ERB	Lab PM: Whitmire, Cheyenne R	Carrier:	COC No: 400-124034-41342.1
Client Contact: Joe Wiley	Phone: 575-2530830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State:	Page: Page 1 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040032			
Email: joe.wiley@kindermorgan.com	WO #: James F. Bell_ERG_ARF_10_24_2023			
Project Name: James F. Bell #1E.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
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)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	ERB		
MW-2	11/15/2023	0843	G	Water	N	N	X			
MW-3	11/15/2023	0850	G	Water	N	N	X			
MW-4	11/15/2023	0858	G	Water	N	N	X			
MW-5	11/15/2023	0906	G	Water	N	N	X			
MW-6	11/15/2023	0914	G	Water	N	N	X			
MW-9	11/15/2023	0924	G	Water	N	N	X			
MW-12	11/15/2023	0931	G	Water	N	N	X			
MW-13	11/15/2023	0830	G	Water	N	N	X			
MW-14	11/15/2023	0939	G	Water	N	N	X			
MW-15	11/15/2023	0948	G	Water	N	N	X			
MW-16	11/15/2023	0856	G	Water	N	N	X			

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
Elsa Ealy	11/15/2023 1130	STN	BP	11/16/23 1027	
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: 0.0°C IR8

Ver: 06/08/2021

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/ERB	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-124034-41342.2
Client Contact: Joe Wiley	Phone: 575-253-0830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040032			
Email: joe.wiley@kindermorgan.com	WO #: James F. Bell_ERG_ARF_10_24_2023			
Project Name: James F. Bell #1E.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	A	
MW-17	11/15/2023	1003	G	Water	N	N	X	
MW-18	11/15/2023	1011	G	Water	N	N	X	
DUP-01	11/15/2023	—	G	Water	N	N	X	
TB-01	11/15/2023	0800	G	Water	N	N	X	
				Water				
				Water				
				Water				
				Water				
				Water				

ERB

ERB

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
Eva Kelly	11/15/2023 1130	STN	BP	11/16/23 1027	
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: 0.0°C IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-246912-1

Login Number: 246912 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Roberts, Alexis J

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-246912-1
Project/Site: James F. Bell #1E.00

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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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 325436

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 325436
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Report for James F. Bell #1E: Content Satisfactory 1. Continue quarterly site visits as planned. Facilitate the removal of LNAPL in MW-1, MW-8 and MW-11. 2. Continue to conduct groundwater monitoring on a semi-annual basis until constituents are demonstrating below the allowable concentrations per the WQCC, then transition to a quarterly schedule. 3. Submit the 2024 Annual report by April 1, 2025 to the OCD.	6/28/2024