# 2021 ANNUAL GROUNDWATER REPORT

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

1. Continue groundwater monitoring events on a semi-annual basis.
2. Continue collecting groundwater samples from key monitoring wells not containing LNAPL on a semi-annual basis.
3. Continue quarterly site visits at the Site in 2022 to facilitate removal of measurable LNAPL where it is present.
4. Submit the Annual Monitoring Report to the OCD no later than March 31, 2023.

## 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). 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, and 2021. 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 2021. Groundwater sampling is being 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, 2021 and November 3, 2021, prior to initiating groundwater sampling activities at the Site. Copies of the 2021 NMOCD notifications are provided in Appendix A.

On May 23 and November 13, 2021, water levels were gauged at MW-1 through MW-18. In May and November 2021, groundwater samples were collected from monitoring wells MW-5, MW-6, and MW-10 through MW-18. Groundwater samples were not collected from monitoring wells MW-1, MW-8, or MW-10 during either sampling event and from MW-7 during the May event and MW-11 during the November event, due to the presence of LNAPL. 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 well screen.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins-TestAmerica Laboratories, Inc. (Eurofins) in Pensacola, Florida where they were analyzed for BTEX. One laboratory supplied trip blank and one blind

field duplicate were also collected during each groundwater sampling event. The groundwater samples, field duplicates, and trip blanks were analyzed using EPA Method 8260.

The unused sample water was combined in a waste container and transported to Basin Disposal, Inc. (Basin) in Bloomfield, New Mexico for disposal. Waste disposal documentation is included as Appendix B.

## LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities in the second calendar quarter of 2020. Documentation of NMOCD notification of site activities is provided in Appendix A. LNAPL was observed in MW-1, MW-7, and MW-8, during the May and November 2021 sampling events, and March and August LNAPL recovery events. LNAPL was also observed in MW-10 during the August LNAPL recovery event.

The LNAPL recovery data is summarized on Table 1. LNAPL was recovered by hand-bailing from MW-1 MW-7, and MW-8 during the site visits in March and May 2021, from MW-7 during the site visit in August 2021, and from MW-7 and MW-10 during the site visit in November 2021. As summarized below, LNAPL was recovered from MW-1 and MW-8 by MPDE during the August and November 2021 site visits. During the groundwater sampling site visits, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the August and November site visits was also transported for disposal at Basin Disposal, Inc. (Basin) in Bloomfield, New Mexico (Appendix B).

In accordance with the August 23, 2021, *LNAPL Recovery Work Plan*, an MDPE event was completed on August 28 and 29, 2021 by AcuVac. The NMOCD was notified on August 23, 2021 of the planned schedule for MDPE activities. Copies of the 2021 NMOCD notifications are provided in Appendix A. The purpose of the MDPE events was to enhance free product recovery from monitoring wells MW-1 and MW-8.

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 2021 two 10-hour MDPE events were completed, one using MW-1 as an extraction well on August 28, 2021, and a second using MW-8 as an extraction well on August 29, 2021. Based on field data collected by AcuVac, approximately 14.5 gallons of LNAPL were recovered from MW-1, and approximately 14.4 gallons of LNAPL were recovered from MW-8 during the 2021 MDPE events. AcuVac's report summarizing the MDPE events at the Site is presented as Appendix C.

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

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## SUMMARY TABLES

Historic 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 2021 groundwater sampling and gauging events.

## ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

## GROUND WATER RESULTS

- The groundwater flow direction in 2021 was generally to the north-northwest at the Site (see Figures 4 and 6).
- LNAPL was observed in monitoring wells MW-1, MW-7, MW-8, and MW-10 during both 2021 sampling events. No groundwater samples were collected from monitoring wells containing measurable product.
- At least one groundwater sample collected in 2021 from MW-3, MW-5, MW-6, MW-7, MW-10, and MW-11 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 2021.
- Toluene was either below the NMWQCC standard (750 µg/L) or was not detected in remaining groundwater samples collected from the site wells in 2021.
- Ethylbenzene was either not detected or was detected below the NMWQCC standard (750 µg/L) for ethylbenzene in groundwater in samples collected from site wells in 2021.
- Groundwater samples collected in May 2021 from MW-6 and MW-10, 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 2021.
- Field duplicate was collected from monitoring well MW-5 during the May and November 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 2021 groundwater monitoring events.

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## PLANNED FUTURE ACTIVITIES

Groundwater monitoring events will continue to be conducted 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 2023.

Quarterly site visits will continue at the Site in 2022 to facilitate removal of measurable LNAPL where it is present. Follow-up correspondence will be provided to NMOCD once the date of this work is scheduled.

The activities conducted in 2022, and their results, will be summarized in the 2022 Annual Report, to be submitted by April 1, 2023.

# TABLES

TABLE 1 – GROUNDWATER ANALYTICAL RESULTS

TABLE 2 – GROUNDWATER ELEVATION RESULTS

TABLE 3 – LNAPL RECOVERY SUMMARY

**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) | LNAPLRecovered (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 | 22.2 | 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 |
| | | | | **TOTAL:** | 156.57 | 378.97 | |
| 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 | 25.1 | 25.12 | 0.02 | <0.01 | 0.03 | Manual |
| | | | | **TOTAL:** | 0.25 | 0.91 | |
| 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 |
| 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 | 14.43 | 11.36 | Mobile DPE* |
| MW-8 | 11/13/2021 | 23.85 | 25.99 | 2.14 | 0.64 | 0.94 | Manual |
| | | | | **TOTAL:** | 90.07 | 610.61 | |
| 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 |
| | | | | **TOTAL:** | 0.01 | 0.66 | |
| MW-11 | 11/13/2021 | 28.38 | 29 | 0.62 | 0.26 | 0.74 | Manual |
| | | | | **TOTAL:** | 0.26 | 0.74 | |

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 |
| 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 |

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| 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 | 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 |
| 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 |
| | | | | | |

# 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 | 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 |
| 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 |

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| 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 | 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 |
| 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-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 |

# 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 | 08/20/01 | 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 |
| 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 |

# 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 | 08/16/02 | 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 |
| 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 |

# 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 | 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 |
| 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 |

# 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 | 09/10/04 | NS | NS | NS | NS |
| MW-3 | 10/11/04 | NS | NS | NS | NS |
| 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 |
| MW-3 | 11/01/10 | NS | NS | NS | NS |
| MW-3 | 02/02/11 | 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-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-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 |
| 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 |

# 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 | 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 |
| 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 |

# 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 | 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-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 | 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 |
| 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-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 | 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-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 | 10/29/18 | 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-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 |
| MW-7 | 08/18/20 | NS | NS | NS | NS |
| 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-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 | 08/18/20 | 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-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 |
| DP-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 |
| MW-9 | 05/23/21 | NS | NS | NS | NS |
| MW-9 | 11/13/21 | 1.4 | <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 |

# 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-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 | 05/23/21 | 590 | <50 | <50 | 6100 |
| MW-10 | 11/13/21 | 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 |
| DUP-1(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 | 11/13/21 | 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 | 11/13/21 | <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 |
| MW-13 | 05/16/20 | 6.5 | <1.0 | 46 | <10 |
| MW-13 | 11/15/20 | 16 | <1.0 | 36 | 27 |
| MW-13 | 05/23/21 | <1.0 | <1.0 | 14 | <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 | 11/13/21 | 1.0 | <1.0 | 8.1 | <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 | 11/13/21 | <1.0 | <1.0 | <1.0 | <10 |
| | | | | | |
| MW-15 | 11/10/17 | 69 | 44 | 610 | 2300 |
| MW-15 | 05/19/18 | 21 | 15 | 570 | 1500 |
| DP-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-1(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 |
| MW-15 | 11/13/21 | 2.8 | <1.0 | 22 | <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 | 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-2(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 | 11/13/21 | <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 |

# 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-17 | 05/23/21 | <1.0 | <1.0 | <1.0 | <10 |
| MW-17 | 11/13/21 | <1.0 | <1.0 | <1.0 | <10 |
| | | | | | |
| 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 | 11/13/21 | <1.0 | <1.0 | <1.0 | <10 |

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

# TABLE 3 - GROUNDWATER ELEVATION RESULTS

| 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 |
| 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 |

# 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 | 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 |
| 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 |

# 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 | 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-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 |
| 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 |

# 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 | 09/18/07 | 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 |
| 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-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 |

# 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 | 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 |
| 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 |

# 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 | 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 |
| 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 |

# 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 | 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 |
| 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 |

# 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 | 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 |
| 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 |

# 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 | 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 |
| 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-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 |
| MW-4 | 06/05/02 | 5809.54 | NR | 27.16 | | 5782.38 |

# 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-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 |
| 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 |

# 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 | 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-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 | | 5782.45 |
| MW-5 | 11/15/20 | 5811.49 | ND | 29.05 | | 5782.45 |
| MW-5 | 05/23/21 | 5811.49 | ND | 33.36 | | 5782.45 |
| MW-5 | 08/28/21 | 5811.49 | ND | 33.14 | | 5782.45 |
| MW-5 | 11/13/21 | 5811.49 | ND | 29.60 | | 5782.45 |
| | | | | | | |
| 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 |
| | | | | | | |

# 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-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 | | 5782.33 |
| | | | | | | |
| 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-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 |

# 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 | 08/28/21 | 5810.31 | ND | 34.82 | | 5775.49 |
| MW-9 | 11/13/21 | 5810.31 | ND | 31.22 | | 5779.09 |
| | | | | | | |
| 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-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-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-13 | 11/10/17 | 5799.15 | ND | 15.93 | | 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-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-14 | 11/10/17 | 5800.15 | ND | 16.05 | | 5784.10 |
| MW-14 | 05/19/18 | 5800.15 | ND | 16.69 | | 5783.46 |
| 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-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-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-17 | 11/10/17 | 5811.60 | ND | 25.34 | | 5786.26 |

# 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-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-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 |
| | | | | | | |
| 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 |

Notes:
"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).
"NS" = Monitoring well not sampled
Groundwater elevation = Top of Casing elevation (TOC, ft) - (Depth to Water [ft] + (LPH thickness [ft) x 0.79). A specific gravity of 0.79 was determined based on based on specific gravity testing of the site LNAPL conducted in 2016.

# FIGURES

FIGURE 1: SITE LOCATION MAP

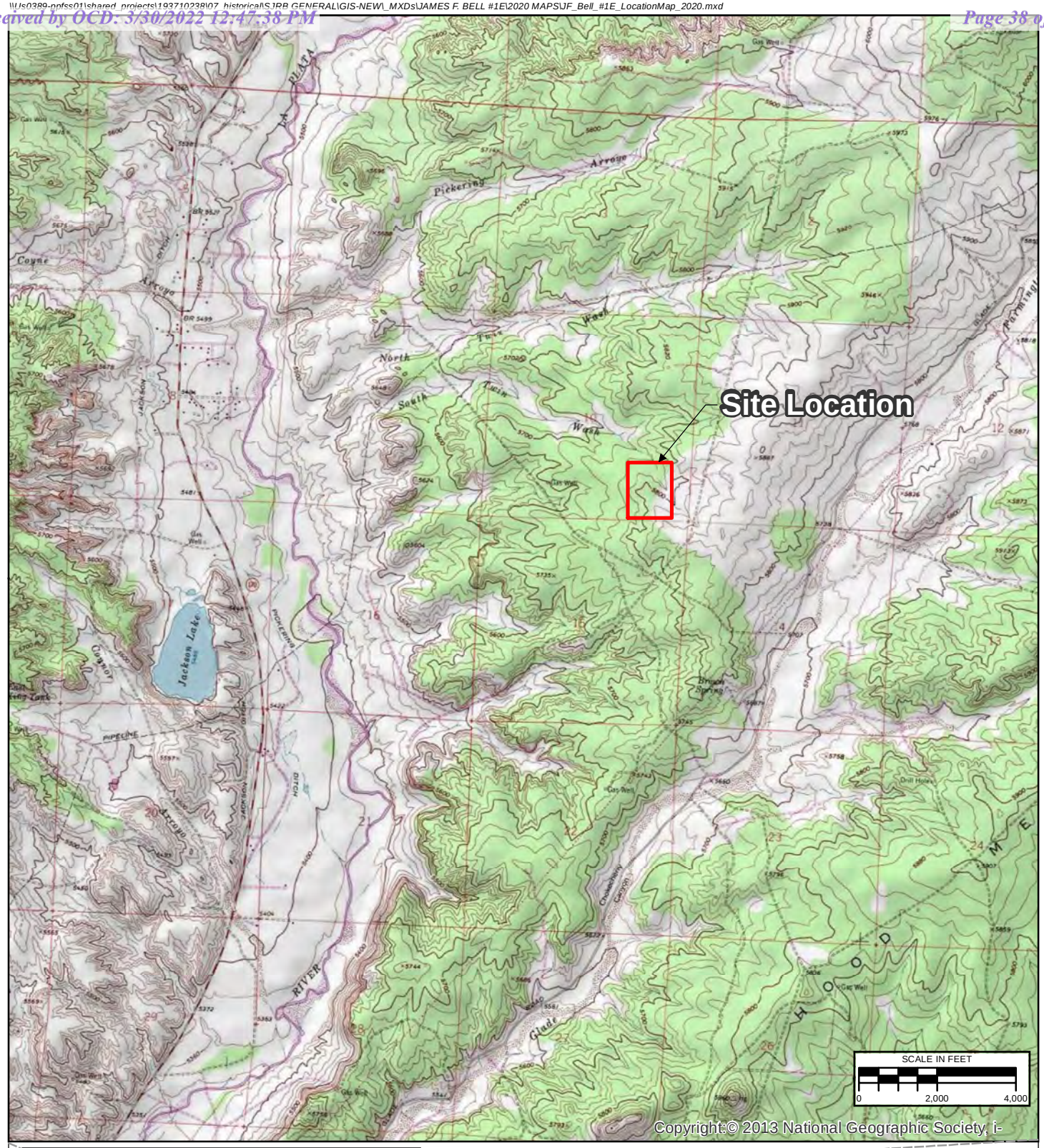
FIGURE 2: SITE PLAN

FIGURE 3: GROUNDWATER ANALYTICAL RESULTS – MAY 23, 2021

FIGURE 4: GROUNDWATER ELEVATION – MAY 23, 2021

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS – NOVEMBER 13, 2021

FIGURE 6: GROUNDWATER ELEVATION – NOVEMBER 13, 2021





N

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

TITLE

## SITE LOCATION

Stantec

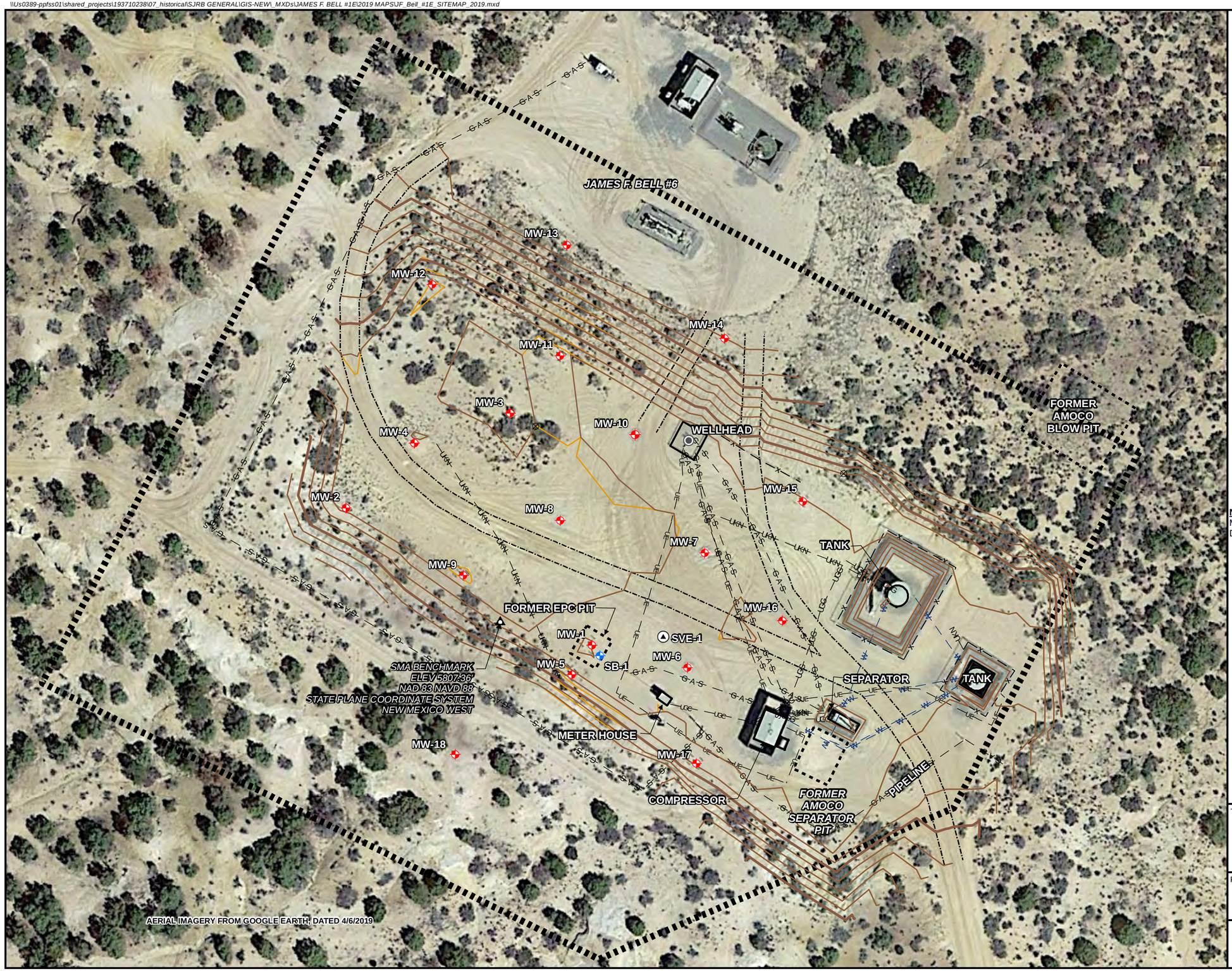
PROJECT

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

FIGURE

**1**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\JAMES F. BELL #1E\2019 MAPS\JF_Bell_#1E_SITEMAP_2019.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
- UNDERGROUND CABLE
- UNKNOWN BURIED LINE
- MONITORING WELL
- SOIL BORING
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK
- RIGHT OF WAY BOUNDARY

**NOTES:**
MW-4 WAS A SOIL BORING ONLY (NO WELL CONSTRUCTED).
DUP = FIELD DUPLICATE SAMPLE

N

SCALE IN FEET
0 50 100

| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|---|---|---|---|---|
| | 2/23/2021 | SLG | SLG | SRV |

TITLE:
*SITE PLAN*

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

Stantec

Figure No.:
**2**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\JAMES F. BELL #1E\2021 MAPS\JF_Bell_#1E_GARM_1SA_2021.mxd

JAMES F. BELL #6

MW-13
B: <1.0
T: <1.0
E: 14
X: <10

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

MW-11
B: 2300
T: 50
E: 360
X: 6900

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

MW-3
NS

MW-4
NS

MW-10
B: 590
T: <50
E: <50
X: 6100

WELLHEAD

MW-15
B: 1.9
T: <1.0
E: 30
X: <10

FORMER AMOCO BLOW PIT

MW-2
NS

MW-8
NS

MW-7
NS

TANK

MW-9
NS

MW-16
B: 9.7
T: <1.0
E: <1.0
X: <10

FORMER EPC PIT

SVE-1
NS

MW-1
NS

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

DUP-01
B: 33
T: 1.6
E: 1.8
X: 62

MW-5
B: 32
T: 1.5
E: 1.7
X: 58

MW-6
B: 160
T: <5.0
E: 9.5
X: 1100

SEPARATOR

METER HOUSE

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

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.
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- FENCE
- GAS — NATURAL GAS LINE
- PW — PRODUCED WATER LINE
- UGC — UNDERGROUND CABLE
- UKN — UNKNOWN BURIED LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- 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

| 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 |
|---|---|---|---|---|
| | 7/15/2021 | SAH | SAH | SRV |

TITLE:

*GROUNDWATER ANALYTICAL RESULTS*
*MAY 23, 2021*

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

Stantec

Figure No.: 3

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\JAMES F. BELL #1E\2021 MAPS\JF_Bell_#1E_GECM_1SA_2021.mxd

JAMES F. BELL #6

MW-13 5781.60

MW-12 5780.49

MW-11 5781.70

MW-14 5781.71

MW-3 5781.72

MW-10 5782.32

MW-4 5782.39

MW-2 5782.41

MW-8 5782.34

MW-15 5782.23

MW-7 5782.41

MW-9 5776.23*

MW-16 5783.28

MW-1 5782.63

MW-6 5784.51

MW-5 5782.45

MW-17 5785.06

MW-18 5777.77*

5782

5783

5784

5785

FORMER AMOCO BLOW PIT

WELLHEAD

TANK

FORMER EPC PIT

SVE-1

SEPARATOR

TANK

METER HOUSE

FORMER AMOCO SEPARATOR PIT

PIPELINE

COMPRESSOR

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

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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- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK

**NOTES:**

5782.41 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL

5783 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

N

SCALE IN FEET
0 40 80

| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|---|---|---|---|---|
| | 2022-03-17 | SAH | SAH | SRV |

TITLE:

**GROUNDWATER ELEVATION MAP**
**MAY 23, 2021**

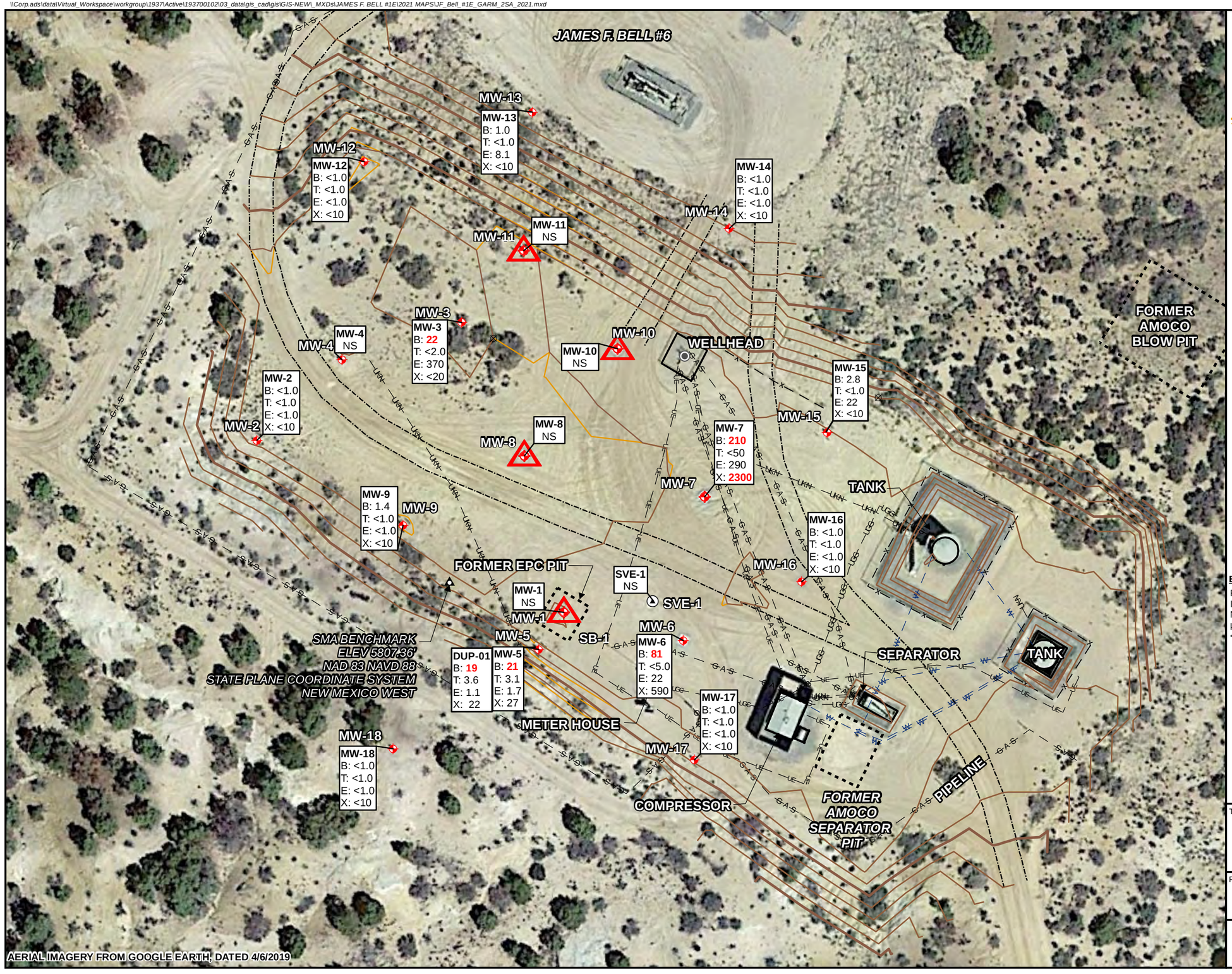
PROJECT:

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

Stantec

Figure No.: 4

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\JAMES F. BELL #1E\2021 MAPS\JF_Bell_#1E_GARM_2SA_2021.mxd




## LEGEND:

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µg/L = MICROGRAMS PER LITER
<1 = RESULTS BELOW METHOD REPORTING LIMIT

| 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 |
|---|---|---|---|---|
| | 2022-01-24 | SAH | SAH | SRV |

TITLE:

*GROUNDWATER ANALYTICAL RESULTS*
*NOVEMBER 13, 2021*

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

Stantec

Figure No.: **5**

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\JAMES F. BELL #1E\2021 MAPS\JF_Bell_#1E_GECM_2SA_2021.mxd

JAMES F. BELL #6

MW-13 5781.46

MW-12 5781.91

MW-11 5781.62

MW-14 5781.78

MW-3 5781.65

MW-10 5782.32

MW-4 5782.32

MW-2 5782.34

MW-8 5782.32

MW-15 5782.15

MW-7 5782.33

MW-9 5779.09*

MW-1 5782.55

MW-16 5783.29

MW-5 5782.45

MW-6 5784.63

MW-18 5777.00*

MW-17 5785.10

5782

5783

5784

5785

WELLHEAD

FORMER AMOCO BLOW PIT

TANK

FORMER EPC PIT

SVE-1

SEPARATOR

TANK

METER HOUSE

FORMER AMOCO SEPARATOR PIT

PIPELINE

COMPRESSOR

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

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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- FENCE
- NATURAL GAS LINE
- PRODUCED WATER LINE
- UNDERGROUND CABLE
- UNKNOWN BURIED LINE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- SOIL VAPOR EXTRACTION WELL
- WELLHEAD
- RIG ANCHOR
- SMA BENCHMARK

**NOTES:**

5782.41 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT 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

N

SCALE IN FEET
0 40 80

| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|---|---|---|---|---|
| | 2022-01-27 | SAH | SAH | SRV |

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 13, 2021

PROJECT:

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

Stantec

Figure No.: 6

**APPENDICES**

APPENDIX A – NOTIFICATIONS OF SAMPLING ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – ACCUVAC REPORT ON MDPE EVENTS

APPENDIX D - GROUNDWATER SAMPLING ANALYTICAL REPORTS

# APPENDIX A

**From:** Varsa, Steve
**To:** Smith, Cory, EMNRD
**Cc:** Griswold, Jim, EMNRD; Wiley, Joe
**Subject:** El Paso CGP Company - Notice of upcoming product recovery activities
**Date:** Thursday, March 11, 2021 10:49:41 AM

---

Hi Cory -

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

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

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

Thank you,
Steve

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

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

Hi Cory -

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

| Site Name | Incident Number | Sample Date |
|---|---|---|
| Canada Mesa #2 | nAUTOfAB000065 | 05/19/2021 |
| Fields A#7A | nAUTOfAB000176 | 05/22/2021 |
| Fogelson 4-1 | nAUTOfAB000192 | 05/22/2021 |
| Gallegos Canyon Unit #124E | nAUTOfAB000205 | 05/21/2021 |
| GCU Com A #142E | nAUTOfAB000219 | 05/21/2021 |
| James F. Bell #1E | nAUTOfAB000291 | 05/23/2021 |
| Johnston Fed #4 | nAUTOfAB000305 | 05/18/2021 |
| Johnston Fed #6A | nAUTOfAB000309 | 05/18/2021 |
| K27 LDO72 | nAUTOfAB000316 | 05/19/2021 |
| Knight #1 | nAUTOfAB000324 | 05/21/2021 |
| Lateral L 40 Line Drip | nAUTOfAB000335 | 05/23/2021 |
| Miles Fed #1A | nAUTOfAB000391 | 05/19/2021 |
| Sandoval GC A #1A | nAUTOfAB000635 | 05/18/2021 |
| Standard Oil Com #1 | nAUTOfAB000666 | 05/19/2021 |
| State Gas Com N #1 | nAUTOfAB000668 | 05/22/2021 |

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

Thank you,
Steve

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

**From:** Varsa, Steve
**To:** "Smith, Cory, EMNRD"
**Cc:** Griswold, Jim, EMNRD; "Wiley, Joe"
**Subject:** James F. Bell #1E site (nAUTOfAB000291) - notice of upcoming activities
**Date:** Monday, August 23, 2021 6:20:00 PM

---

Hi Cory – on behalf of El Paso CGP Company, Stantec is planning to complete product recovery activities using mobile dual-phase extraction methods at the subject site on August 28 and 29, 2021. A work plan with additional details regarding these activities has been submitted in the e-permitting portal.

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

Thank you,
Steve

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

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

---

Hi Cory -

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

| Site Name | Incident Number | Sample Date |
|---|---|---|
| Canada Mesa #2 | nAUTOfAB000065 | 11/11/2021 |
| Fields A#7A | nAUTOfAB000176 | 11/14/2021 |
| Fogelson 4-1 | nAUTOfAB000192 | 11/14/2021 |
| Gallegos Canyon Unit #124E | nAUTOfAB000205 | 11/12/2021 |
| GCU Com A #142E | nAUTOfAB000219 | 11/12/2021 |
| James F. Bell #1E | nAUTOfAB000291 | 11/13/2021 |
| Johnston Fed #4 | nAUTOfAB000305 | 11/15/2021 |
| Johnston Fed #6A | nAUTOfAB000309 | 11/15/2021 |
| K27 LDO72 | nAUTOfAB000316 | 11/11/2021 |
| Knight #1 | nAUTOfAB000324 | 11/12/2021 |
| Lateral L 40 Line Drip | nAUTOfAB000335 | 11/13/2021 |
| Miles Fed #1A | nAUTOfAB000391 | 11/11/2021 |
| Sandoval GC A #1A | nAUTOfAB000635 | 11/15/2021 |
| Standard Oil Com #1 | nAUTOfAB000666 | 11/11/2021 |
| State Gas Com N #1 | nAUTOfAB000668 | 11/14/2021 |

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

Thank you,
Steve

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

# APPENDIX B

# BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

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

NO. 806693
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 03-17-21
GENERATOR: Santec
HAULING CO. Energy Minerals and Natural Res
ORDERED BY: Steven Berrsey

DEL. TKT#.
BILL TO: Santec
DRIVER: Tyrone
(Print Full Name)
CODES:

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

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

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

| NO. | TRUCK | LOCATION(S) | VOLUME | COST | H2S | COST | TOTAL | TIME |
|---|---|---|---|---|---|---|---|---|
| 1 | | Blanco Gas Plant | 1 | ,70 | | | ,70 | |
| 2 | | San Juan River Gas Plant | | | | | | '21 MAR 17 6:20PM |
| 3 | | 7 locations, GCU Mesa | | | | | | |
| 4 | | James F. Bell, Knight #1, State Gas Com N#1 Fields A#7A, Ryden #4-1 | | | | | | |
| 5 | | | | | | | | |

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

DATE 5.23.21 DEL. TKT#.

GENERATOR: El Paso CGP Company L.L.C BILL TO:

HAULING CO. Oil Conservation Division DRIVER:

ORDERED BY: (Print Full Name) CODES:

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

STATE: ☐ NM ☐ CO ☐ AZ ☐ UT TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

| NO. | TRUCK | LOCATION(S) | VOLUME | COST | H2S | COST | TOTAL | TIME |
|---|---|---|---|---|---|---|---|---|
| 1 | 4 | Fidlis A #7A | | | | | | |
| 2 | | State Gas Com N #1 | | | | | | |
| 3 | | Fogelson 4-1 | | | | | | |
| 4 | | Lat L 40 | | | | | | |
| 5 | | James F. Bell #1E | 1 | .70 | | | '21 MAY 23 4:31 #0.70 | |

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

☒ Approved ☐ Denied ATTENDANT SIGNATURE

SAN JUAN PRINTING 2020 1973-1

# BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. 813991

NMOCD PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE 8.29.21

DEL. TKT#.

GENERATOR: Stan Tech

BILL TO: Stan Tech

HAULING CO. Stan Tech

DRIVER: Jeremy (Print Full Name)

ORDERED BY: Steve Varsa

CODES:

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

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

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

| NO. | TRUCK | LOCATION(S) | VOLUME | COST | H2S | COST | TOTAL | TIME |
|---|---|---|---|---|---|---|---|---|
| 1 | | James F. Bell #1E | 1 | .70 | | | .70¢ | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

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

☒ Approved ☐ Denied ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 2020 1973-1

# BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

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

NO. 817538
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11.13.21

GENERATOR: El paso CGP

HAULING CO. ~~El paso CGP~~ Slan Tech

ORDERED BY: Joe wiley

DEL. TKT#.

BILL TO: El paso CGP

DRIVER: Sean C. (Print Full Name)

CODES:

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

STATE: ☑ NM ☐ CO ☐ AZ ☐ UT

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

| NO. | TRUCK | LOCATION(S) | VOLUME | COST | H2S | COST | TOTAL | TIME |
|---|---|---|---|---|---|---|---|---|
| 1 | | · Knight · | 1 | 70 | | | 70 21 NOV 13 5:31 PM | |
| 2 | | Gallegos canyon unit 124E | | | | | | |
| 3 | | GCU COM A #1 12E | | | | | | |
| 4 | | Laedl 2-10 · | | | | | | |
| 5 | | James F. Bell #1E | | | | | | |

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

☑ Approved ☐ Denied

ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 2020 1973-1

# APPENDIX C

AcuVac Remediation

September 20, 2021

Mr. Stephen Varsa
Senior Hydrogeologist
Stantec Consulting Services, Inc.
11153 Aurora Avenue
Des Moines, IA 50322

Dear Steve:

Re: James F. Bell #1E, San Juan County, NM (Event #5)

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

| Event Number | Well Number | Event Duration (hrs.) | Date |
|---|---|---|---|
| #5A | MW-1 | 10.0 | 08/28/2021 |
| #5B | MW-8 | 10.0 | 08/29/2021 |

The following is the Report and a copy of the Operating Data collected during Events #5A and #5B. Additionally, the attached Table #1 contains the Summary Well Data for wells MW-1 and MW-8, and Table #2 contains the Summary Recovery Data for wells MW-1 and MW-8.

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:

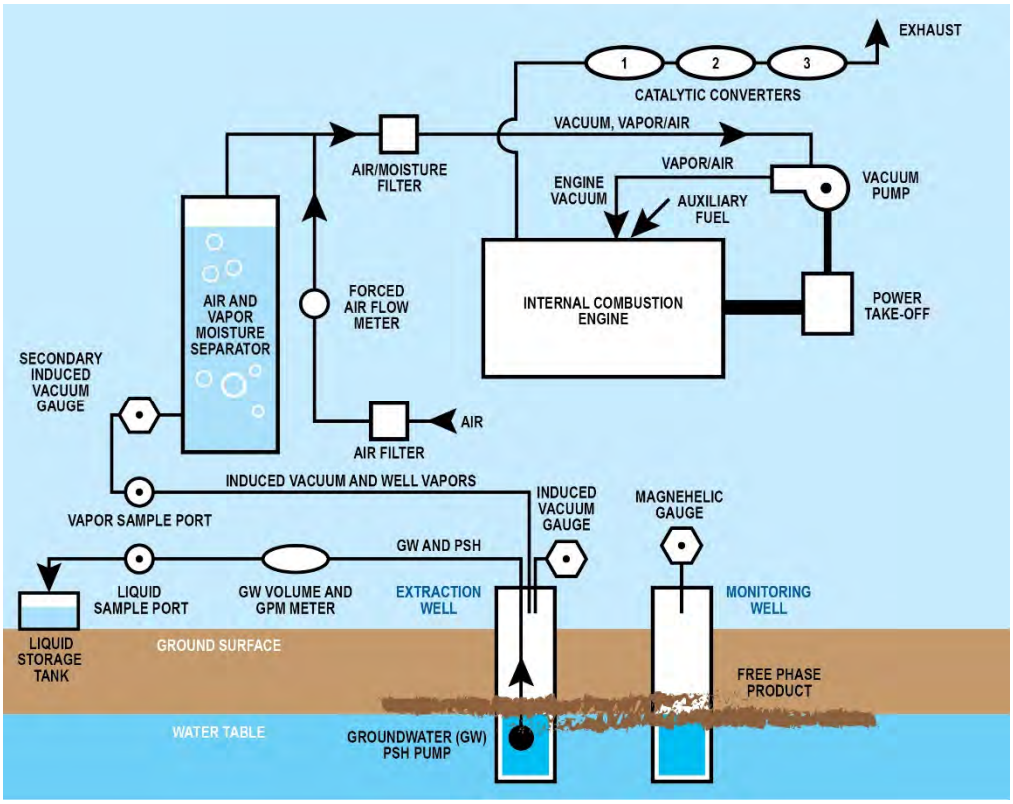
- Maximize the removal of liquid and vapor phase petroleum hydrocarbons from the groundwater and soils in the subsurface formations within the influence of the extraction well.
- Expose the capillary fringe area to an induced vacuum.
- Increase the liquid and vapor phase petroleum hydrocarbon specific 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.
- Select and monitor the groundwater depression and pump rates to accomplish the above objectives.

## 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 Events #5, 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 |
| Grundfos Red-Flo 2 Total Fluids Pump | In-Well Pumping |
| Grundfos Variable Frequency Drive | Pump Speed and Other Diagnostics |
| **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 |

## ACUVAC MOBILE DUAL PHASE EXTRACTION UNIT




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 two of 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, Redi-Flo 2 total fluids 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 electrical power for the groundwater pump was supplied from a 120v Honda generator. 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 #5

The Petroleum Hydrocarbon Recovery Summary Table below lists the groundwater and LNAPL recovery data for Event #5 compared with the previous events.

| Petroleum Hydrocarbon Recovery Summary | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MW-8 | MW-1 | Total | | | | |
| Event Number | | Event #5B | Event #5A | Event #5 | Event #4 | Event #3 | Event #2 | Event #1 |
| Event Date | | 08/29/2021 | 08/28/2021 | 08/29/2021 | 07/11/2018 | 05/07/2018 | 7/11/2017 | 12/02/2016 |
| Event Hours | | 10.0 | 10.0 | 20 | 32.0 | 24.0 | 144.0 | 16.0 |
| Recovery | | | | | | | | |
| GW Recovery | gals | 22 | 13 | 35 | 205 | 173 | 520 | 66 |
| Petroleum Hydrocarbon Recovery | | | | | | | | |
| Liquid | gals | 9.44 | 4.55 | 13.99 | 0 | 0.1 | 10 | 0 |
| Vapor | gals | 9.79 | 9.91 | 19.70 | 36.5 | 20.5 | 112.4 | 20.3 |
| Total | gals | 19.23 | 14.46 | 33.69 | 36.5 | 20.6 | 122.4 | 20.3 |
| Gallons/Hour | gals | **1.92** | **1.45** | **1.68** | **1.14** | **0.86** | **0.85** | **1.27** |

## SUMMARY OF WELL MW-1 MDPE EVENT #5A

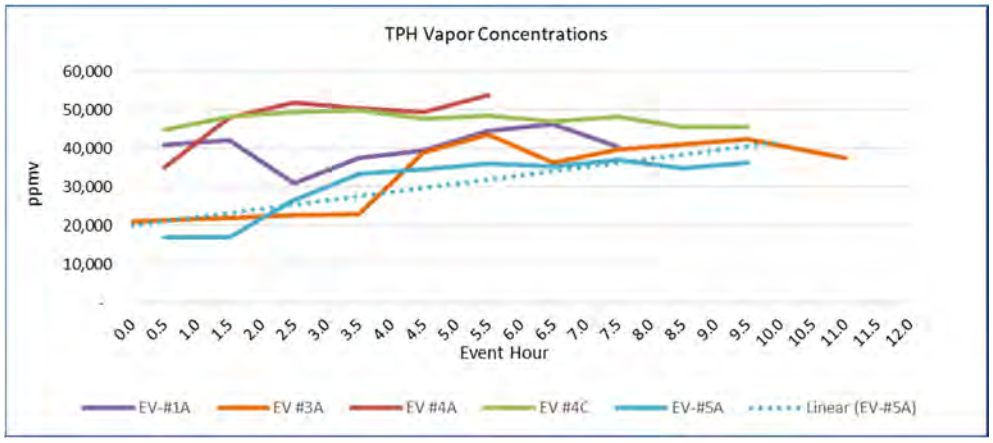
The Petroleum Hydrocarbon Recovery Summary Table below summarizes the groundwater and LNAPL recovery data for well MW-1 for all events.

| Petroleum Hydrocarbon Recovery Summary<br>Well MW-1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Event Number | | Event #5A | Event #4C | Event #4A | Event #3A | Event #2A | Event #1A |
| Event Date | | 08/28/2021 | 07/12/2018 | 07/11/2018 | 05/07/2018 | 7/11/2017 | 12/02/2016 |
| Event Hours | | 10.0 | 10.0 | 6.0 | 12.0 | 72.0 | 8.0 |
| Data Element | | | | | | | |
| GW Recovery | gals | 13 | 41 | 35 | 63 | 207 | 21 |
| Petroleum Hydrocarbon Recovery | | | | | | | |
| Liquid | gals | 4.55 | 0 | 0 | 0 | 10.0 | 0 |
| Vapor | gals | 9.91 | 14.9 | 7.3 | 10.7 | 72.3 | 12.2 |
| Total | gals | 14.46 | 14.9 | 7.3 | 10.7 | 82.3 | 12.2 |
| Gallons /Hour | gph | **1.45** | 1.49 | 1.21 | 0.89 | 1.14 | 1.52 |

- Total vapor hydrocarbons burned as IC engine fuel, listed in the Petroleum Hydrocarbon Recovery Summary Table above, 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 on well MW-1.

| Influent Vapor Data Well MW-1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Event Number** | | **Event #5A** | **Event #4C** | **Event #4A** | **Event #3A** | **Event #2A** | **Event #1A** |
| **Event Date** | | **08/28/2021** | **07/12/2018** | **07/11/2018** | **05/07/2018** | **7/11/2017** | **12/02/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **TPH- Maximum** | ppmv | 36,890 | 49,980 | 53,790 | 43,570 | 48,220 | 46,280 |
| **TPH- Average** | ppmv | 30,720 | 47,469 | 48,055 | 32,693 | 40,444 | 40,204 |
| **TPH- Minimum** | ppmv | 16,900 | 44,740 | 34,990 | 20,950 | 29,330 | 30,870 |
| **TPH- Initial** | ppmv | 16,900 | 44,740 | 34,990 | 20,950 | 45,950 | 40,870 |
| **TPH- Ending** | ppmv | 36,180 | 45,590 | 53,790 | 42,390 | 44,260 | 40,340 |
| **$CO_2$** | % | 3.93 | 5.14 | 6.61 | 0.90 | 2.61 | 3.57 |
| **$O_2$** | % | 10.5 | 15.8 | 14.5 | 14.5 | 13.4 | 10.8 |
| **$H_2S$** | ppm | 0 | 0 | 0 | 0 | 0 | 0 |

- The TPH vapor concentrations from the influent vapor samples for all events for well MW-1 are presented in the following TPH Vapor Concentrations graph, including a trend line for Event #5A.



- The extraction well induced vacuum and well vapor flow for Event #5A is compared with previous events on well MW-1 in the following table.

**Well Vacuum and Well Vapor Flow**
**Well MW-1**

| Event Number | | Event #5A | Event #4C | Event #4A | Event #3A | Event #2A | Event #1A |
|---|---|---|---|---|---|---|---|
| **Event Date** | | **08/28/2021** | **07/12/2018** | **07/11/2018** | **05/07/2018** | **7/11/2017** | **12/02/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **Well Vacuum- Maximum** | "$H_2O$ | 100.00 | 145.00 | 120.00 | 150.00 | 110.00 | 150.00 |
| **Well Vacuum- Average** | "$H_2O$ | 75.24 | 137.62 | 120.00 | 123.40 | 104.71 | 137.65 |
| **Well Vacuum- Minimum** | "$H_2O$ | 70.00 | 120.00 | 120.00 | 65.00 | 95.00 | 80.00 |
| **Well Vapor Flow- Maximum** | scfm | 16.47 | 15.06 | 12.14 | 16.15 | 14.87 | 19.51 |
| **Well Vapor Flow- Average** | scfm | 14.92 | 14.50 | 11.64 | 12.63 | 11.49 | 17.54 |
| **Well Vapor Flow- Minimum** | scfm | 14.74 | 11.84 | 11.42 | 5.30 | 8.92 | 10.3 |

- Depth to groundwater, depth to LNAPL and LNAPL thickness at the start and end of Event #5A is compared with previous events on well MW-1 in the following table.

**LNAPL Thickness**
**MW-1**

| Event Number | | Event #5A | Event #4C | Event #4A | Event #3A | Event #2A | Event #1A |
|---|---|---|---|---|---|---|---|
| **Event Date** | | **08/28/2021** | **07/12/2018** | **07/11/2018** | **05/07/2018** | **7/11/2017** | **12/02/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **Start of Event** | | | | | | | |
| **Depth to LNAPL** | ft BTOC | 28.03 | 27.22 | 26.72 | 26.58 | 23.61 | 26.79 |
| **Depth to Groundwater** | ft BTOC | 29.39 | 27.25 | 26.86 | 26.67 | - | 26.84 |
| **LNAPL Thickness** | ft | 1.36 | 0.03 | 0.14 | 0.09 | - | 0.05 |
| **End of Event** | | | | | | | |
| **Depth to LNAPL** | ft BTOC | 31.38 | 45.51 | 29.85 | 31.36 | 30.87 | 28.33 |
| **Depth to Groundwater** | ft BTOC | 31.90 | - | - | - | 31.12 | 28.63 |
| **LNAPL Thickness** | ft | 0.52 | - | - | - | 0.25 | 0.30 |

- The maximum and average groundwater pump rates for Events #5 is compared to previous events on well MW-1 are shown in the following table.

**Groundwater Pump Data**
**Well MW-1**

| Event Number | | Event #5A | Event #4C | Event #4A | Event #3A | Event #2A | Event #1A |
|---|---|---|---|---|---|---|---|
| **Event Date** | | **08/28/2021** | **07/12/2018** | **07/11/2018** | **05/07/2018** | **7/11/2017** | **12/02/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **Maximum GW Pump Rate** | gpm | 0.10 | 0.40 | 0.30 | 0.70 | 0.48 | 0.04 |
| **Average GW Pump Rate** | gpm | 0.02 | 0.09 | 0.10 | 0.09 | 0.14 | 0.04 |

## SUMMARY OF WELL MW-8 MDPE EVENT #5B

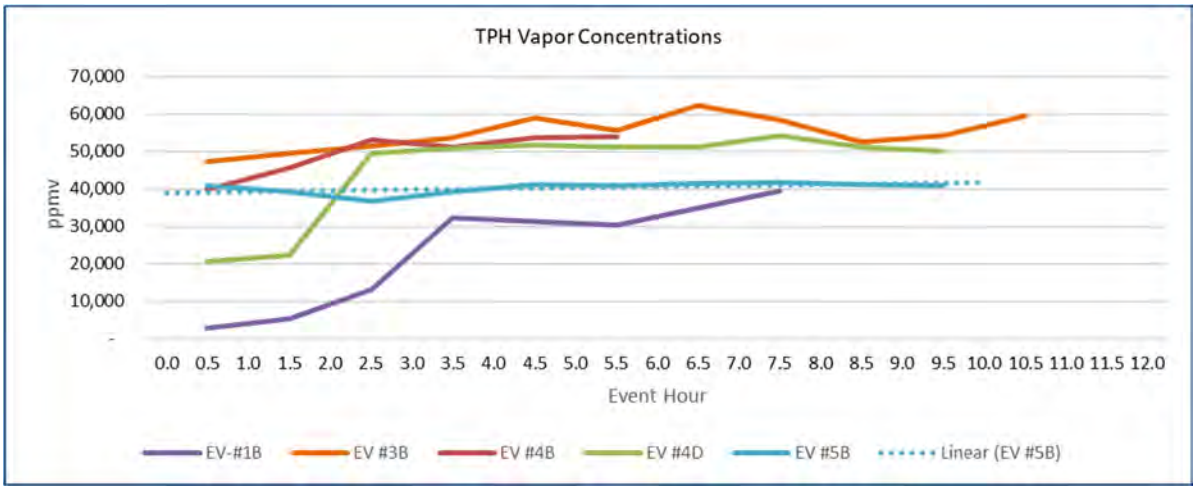
The Petroleum Hydrocarbon Recovery Summary Table below lists the groundwater and LNAPL recovery data for Well MW-8 for all events.

| Petroleum Hydrocarbon Recovery Summary Well MW-8 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Event Number** | | **Event #5B** | **EV #4D** | **EV #4B** | **EV #3B** | **Event #2B** | **Event #1B** |
| **Event Date** | | **08/29/2021** | **07/12/2018** | **07/11/2018** | **05/08/2018** | **7/11/2017** | **12/03/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Groundwater Recovery** | | | | | | | |
| **GW Recovery** | | 22 | 65 | 64 | 110 | 313 | 45 |
| **LNAPL Recovery** | | | | | | | |
| **Liquid** | gals | 9.44 | 0 | 0 | 0.1 | 0 | 0 |
| **Vapor** | gals | 9.79 | 8.9 | 5.5 | 9.8 | 40.1 | 8.1 |
| **Total** | gals | 19.23 | 8.9 | 5.5 | 9.9 | 40.1 | 8.1 |
| **Gallons /Hour** | gph | 1.92 | 0.89 | 0.92 | 0.82 | 0.56 | 1.01 |

- Total vapor hydrocarbons burned as IC engine fuel, listed in the Petroleum Hydrocarbon Recovery Summary Table above, 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 #5B** | **Event #4D** | **Event #4B** | **Event #3B** | **Event #2B** | **Event #1B** |
| **Event Date** | | **08/29/2021** | **07/12/2018** | **07/11/2018** | **05/08/2018** | **7/11/2017** | **12/03/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **TPH- Maximum** | ppmv | 41,650 | 54,310 | 53,790 | 53,810 | 76,100 | 39,610 |
| **TPH- Average** | ppmv | 40,304 | 45,319 | 49,588 | 50,570 | 56,674 | 20,580 |
| **TPH- Minimum** | ppmv | 36,680 | 20,480 | 39,790 | 47,380 | 31.850 | 2,810 |
| **TPH- Initial** | ppmv | 40,810 | 20,480 | 39,990 | 47,380 | 48,510 | 2,810 |
| **TPH- Ending** | ppmv | 40,990 | 49,950 | 53,790 | 59,630 | 76,100 | 39,610 |
| **$CO_2$** | % | 3.40 | 4.04 | 4.68 | 2.55 | 2.24 | 1.47 |
| **$O_2$** | % | 6.1 | 15.4 | 13.2 | 14.9 | 10.5 | 15.1 |
| **$H_2S$** | ppm | 0 | 0 | 0 | 0 | 0 | 0 |

- The TPH vapor concentrations from the influent vapor samples for all events for well MW-8 are presented in the following TPH Vapor Concentrations graph:




- The extraction well induced vacuum and well vapor flow for Event #5B is compared with previous events on well MW-8 in the following table.

**Well Vacuum and Well Vapor Flow**
**Well MW-8**

| Event Number | | Event #5B | Event #4D | Event #4B | Event #3B | Event #2B | Event #1B |
|---|---|---|---|---|---|---|---|
| **Event Date** | | **08/29/2021** | **07/12/2018** | **07/11/2018** | **05/08/2018** | **7/11/2017** | **12/03/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **Well Vacuum- Maximum** | "$H_2O$ | 120.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 |
| **Well Vacuum- Average** | "$H_2O$ | 117.14 | 123.81 | 150.00 | 150.00 | 127.80 | 98.80 |
| **Well Vacuum- Minimum** | "$H_2O$ | 95.00 | 30.00 | 150.00 | 150.00 | 90.00 | 20.00 |
| **Well Vapor Flow- Maximum** | scfm | 13.39 | 10.56 | 8.65 | 7.74 | 5.38 | 46.20 |
| **Well Vapor Flow- Average** | scfm | 11.24 | 9.06 | 8.55 | 7.43 | 4.55 | 22.70 |
| **Well Vapor Flow- Minimum** | scfm | 6.24 | 4.30 | 8.53 | 6.06 | 3.35 | 10.09 |

- Depth to groundwater, depth to LNAPL and LNAPL thickness at the start and end of Event #5B is compared with previous events on well MW-8 in the following table.

| LNAPL Thickness MW-8 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Event Number** | | **Event #5B** | **Event #4D** | **Event #4B** | **Event #3B** | **Event #2B** | **Event #1B** |
| **Event Date** | | **08/29/2021** | **07/12/2018** | **07/11/2018** | **05/08/2018** | **7/11/2017** | **12/03/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **Start of Event** | | | | | | | |
| **Depth to LNAPL** | ft BTOC | 24.51 | - | 22.95 | 22.68 | 21.96 | 22.89 |
| **Depth to Groundwater** | ft BTOC | 26.64 | 24.29 | 22.96 | 22.77 | 21.99 | 23.44 |
| **LNAPL Thickness** | ft | 2.13 | - | 0.01 | 0.09 | 0.03 | 0.55 |
| **End of Event** | | | | | | | |
| **Depth to LNAPL** | ft BTOC | 33.72 | - | 32.34 | 36.32 | 34.35 | 32.65 |
| **Depth to Groundwater** | ft BTOC | 36.56 | 45.51 | - | - | - | 32.66 |
| **LNAPL Thickness** | ft | 2.84 | - | - | - | - | 0.01 |

- The maximum and average groundwater pump rates for Events #5B is compared to previous events on well MW-8 are shown in the following Groundwater Pump Data Table.

| Groundwater Pump Data Well MW-8 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Event Number** | | **Event #5B** | **Event #4D** | **Event #4B** | **Event #3B** | **Event #2B** | **Event #1B** |
| **Event Date** | | **08/29/2021** | **07/12/2018** | **07/11/2018** | **05/08/2018** | **7/11/2017** | **12/03/2016** |
| **Event Hours** | | **10.0** | **10.0** | **6.0** | **12.0** | **72.0** | **8.0** |
| **Data Element** | | | | | | | |
| **Maximum GW Pump Rate** | gpm | 0.10 | 0.33 | 0.37 | 0.43 | 0.40 | 0.09 |
| **Average GW Pump Rate** | gpm | 0.03 | 0.11 | 0.18 | 0.15 | 0.20 | 0.09 |

## ADDITIONAL INFORMATION EVENTS #5A and #5B

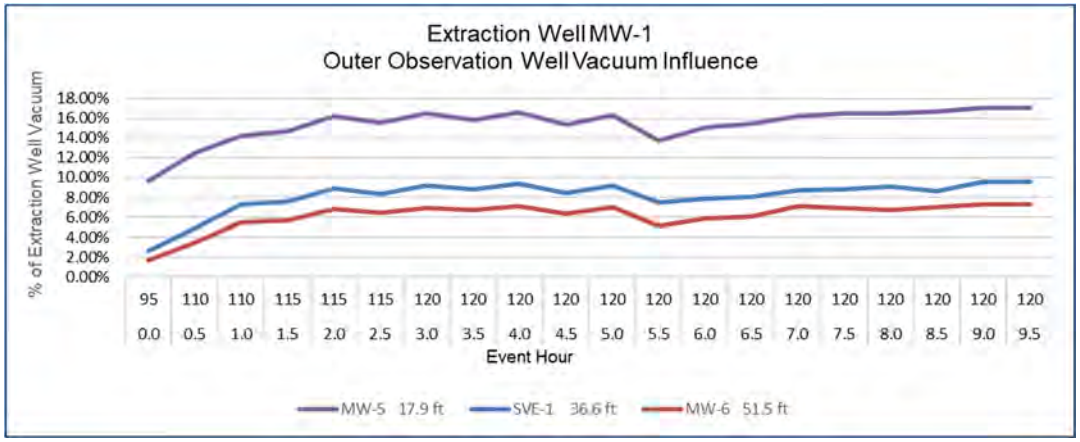
- A QED AP2 Plus top-fill pneumatic pump was used to perform Event #5A and a Grundfos RediFlo 2 was used for Event #5B.
- At the start of Event #5A, the depth to groundwater for well MW-1 was approximately 2.14 feet lower than Event #4C.
- At the start of Event #5B, the depth to groundwater for well MW-8 was approximately 2.35 feet lower than Event #4D.
- For both Event #5A and #5B, the vacuum was used to draw groundwater into the well bore and then reduced. The pump was then started to pump the well down and remove the LNAPL drawn in.

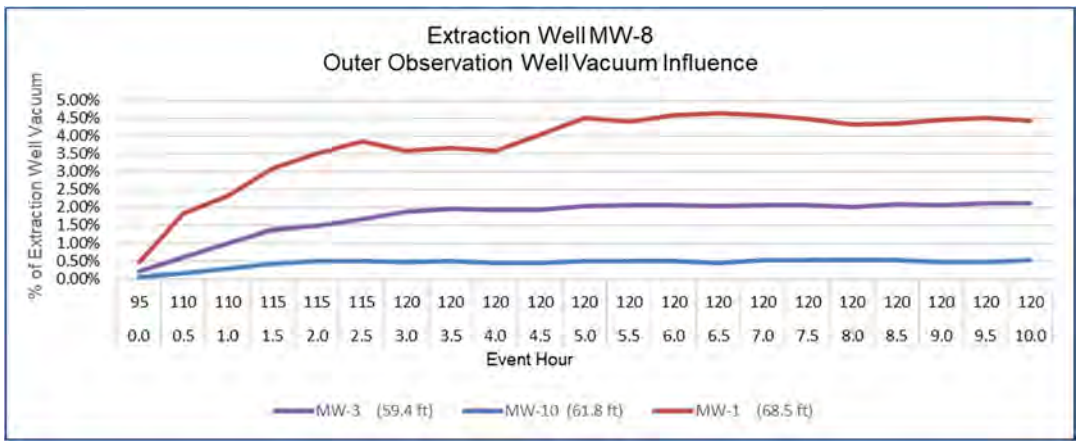
## SUMMARY OF OUTER OBSERVATION WELL DATA FOR MDPE EVENT #5A AND #5B

During Events #5A and #5B, 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 #5 | | | |
|---|---|---|---|
| **Event Number** | | **Event #4B** | **Event #4A** |
| **Event Date** | | **08/31/2021** | **08/26/21** |
| **Event Hours** | | **8.0** | **8.0** |
| **Extraction Well** | | MW-1 | MW-8 |
| **Average Extraction Well Vacuum** | $InH_2O$ | 75.24 | 117.14 |
| **Average Vacuum Influence- Outer Wells** | | | |
| MW-5 (17.9 ft) | $InH_2O$ | 12.54 | - |
| SVE-1 (36.6 ft) | $InH_2O$ | 6.72 | - |
| MW-6 (51.5 ft) | $InH_2O$ | 5.12 | - |
| MW-3 (59.4 ft) | $InH_2O$ | - | 2.00 |
| MW-10 (61.8 ft) | $InH_2O$ | - | 0.51 |
| MW-1 (68.5 ft) | $InH_2O$ | - | 4.33 |

Below are graphical representations of the response of the outer observation wells to the applied extraction well vacuum during Events #5A and #5B.



## 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 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 Well Data
- Table #2 Summary Recovery Data
- Recorded Data
- Photographs of the MDPE System and extraction wells MW-1 and MW-8.

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 Well Data
## Table #1A

| Event | | 5A | 5B |
|---|---|---|---|
| **WELL NO.** | | **MW-1** | **MW-8** |
| Total Event Hours | | 10.0 | 10.0 |
| Cumulative Event Hours | | 118.0 | 118.0 |
| Total Depth | ft BGS | 30.00 | 40.00 |
| Well Screen | ft BGS | 20.0 - 30.0 | 14.9 - 39.9 |
| Well Size | in | 4.0 | 2.0 |
| **Well Data** | | | |
| Depth To LNAPL - Static - Start Event | ft BTOC | 28.03 | 24.51 |
| Depth To Groundwater - Static - Start Event | ft BTOC | 29.39 | 26.64 |
| LNAPL Thickness | ft | 1.36 | 2.13 |
| Hydro-Equivalent- Beginning | ft BTOC | 28.38 | 25.06 |
| Depth To LNAPL - Static - End Event | ft BTOC | 31.38 | 33.72 |
| Depth To Groundwater - Static - End Event | ft BTOC | 31.90 | 36.56 |
| LNAPL Thickness | ft | 0.52 | 2.84 |
| Hydro-Equivalent- Ending | ft BTOC | 31.52 | 34.46 |
| | | | |
| Maximum Extraction Well Vacuum | "$H_2O$ | 100.00 | 120.00 |
| Average Extraction Well Vacuum | "$H_2O$ | 75.24 | 117.14 |
| Minimum Extraction Well Vacuum | "$H_2O$ | 70.00 | 95.00 |
| Maximum Extraction Well Vapor Flow | scfm | 16.47 | 13.39 |
| Average Extraction Well Vapor Flow | scfm | 14.92 | 11.24 |
| Minimum Extraction Well Vapor Flow | scfm | 14.74 | 6.24 |
| Average GW / LNAPL Pump Rate | gpm | 0.10 | 0.10 |
| Maximum GW / LNAPL Pump Rate | gpm | 0.02 | 0.03 |
| | | | |
| Maximum TPH | ppmv | 36,890 | 41,650 |
| Average TPH | ppmv | 30,720 | 40,304 |
| Minimum TPH | ppmv | 16,900 | 36,680 |
| Initial TPH | ppmv | 16,900 | 40.810 |
| Final TPH | ppmv | 36,180 | 40,990 |
| Average $CO_2$ | % | 3.93 | 3.40 |
| Average $O_2$ | % | 10.5 | 6.1 |
| Average $H_2S$ | ppm | 0 | 0 |

## Summary Recovery Data
## Table #1B

| Event | | 5A | 5B |
|---|---|---|---|
| **WELL NO.** | | **MW-1** | **MW-8** |
| **Recovery Data- Current Event** | | | |
| Total Liquid Volume Recovered | gals | 13 | 22 |
| Total Liquid LNAPL Recovered | gals | 4.55 | 9.44 |
| Total Liquid LNAPL Recovered / Total Liquid | % | 35.00 | 42.91 |
| Total Liquid LNAPL Recovered / Total LNAPL | % | 31.47 | 49.09 |
| Total Vapor LNAPL Recovered | gals | 9.91 | 9.79 |
| Total Vapor LNAPL Recovered / Total LNAPL | % | 68.53 | 50.91 |
| Total Vapor and Liquid LNAPL Recovered | gals | 14.46 | 19.23 |
| Average LNAPL Recovery | gals/hr | 1.45 | 1.92 |
| Total LNAPL Recovered | lbs | 101 | 135 |
| Total Volume of Well Vapors | cu. ft | 8,952 | 6,744 |
| **Recovery Data- Cumulative** | | | |
| Total Liquid Volume Recovered | gals | 380 | 619 |
| Total Liquid LNAPL Recovered | gals | 14.55 | 9.51 |
| Total Vapor LNAPL Recovered | gals | 117.70 | 63.88 |
| Total Vapor and Liquid LNAPL Recovered | gals | 141.81 | 91.63 |
| Average LNAPL Recovery | gals/hr | 1.20 | 0.78 |
| Total LNAPL Recovered | lbs | 993 | 641 |
| Total Volume of Well Vapors | cu. ft | 88,992 | 51,160 |

AcuVac Remediation

OPERATING DATA – EVENT # 5A PAGE # 1 ACUVAC MDP SYSTEM

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Well #** MW-1 | | Date | 8/28/21 | | | | | |
| | | Time | 0700 | 0730 | 0800 | 0830 | 0900 | 0930 |
| | | Hr Meter | 2348.5 | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 1800 | 1900 | 1900 | 1900 | 1800 | 1900 |
| | Oil Pressure | psi | 50 | 60 | 50 | 50 | 50 | 50 |
| | Water Temp | °F | 150 | 140 | 150 | 150 | 150 | 150 |
| | Alternator | Volts | 13 | 13 | 13 | 13 | 13 | 13 |
| | Intake Vacuum | "Hg | 12 | 12 | 12 | 12 | 12 | 12 |
| | Gas Flow Fuel/Propane | cfh | 10 | 80 | 80 | 75 | 20 | 30 |
| ATMOSPHERE VACUUM / AIR | Extraction Well Vac. | "$H_2O$ | 100 | 80 | 80 | 80 | 80 | 80 |
| | Extraction Well Flow | scfm | 16.47 | 14.83 | 14.77 | 14.77 | 14.77 | 14.77 |
| | Influent Vapor Temp. | °F | 66 | 66 | 70 | 70 | 70 | 70 |
| | Air Temp | °F | 64 | 64 | 66 | 70 | 72 | 73 |
| | Barometric Pressure | "Hg | 30.23 | 30.24 | 30.24 | 30.25 | 30.25 | 30.25 |
| | Absolute Pressure | "Hg | 24.40 | 24.40 | 24.41 | 24.41 | 24.41 | 24.42 |
| VAPOR / INFLUENT | TPH | ppmv | – | 16900 | – | 17020 | – | 26370 |
| | $CO_2$ | % | – | 3.04 | – | 2.42 | – | 3.34 |
| | $O_2$ | % | – | 14.8 | – | 15.9 | – | 12.9 |
| | $H_2S$ | ppm | – | 2.6 | – | 0 | – | 0 |
| NOTES | ARRIVED ON SITE AT 0620. GAUGED ALL WELLS. POSITIONED ACUVAC SYSTEM NEAR WELL MW-1. POSITIONED BOTTOM FILL PNEUMATIC PUMP .5 FT ABOVE WELL BOTTOM. PERFORMED ALL SAFETY CHECKS - ALL OK. EVENT STARTED AT 0700 HRS. INITIAL WELL VAC 100 IN $H_2O$. AT 0730 HRS VAC 80 IN $H_2O$ DUE TO WELL SURGING. WILL RUN AT 80 IN $H_2O$ UNTIL SURGING STABALIZES. | | | | | | | |
| RECOVERY | Totalizer | gals | 46009 | 46009 | 46009 | 46011 | 46011 | 46012 |
| | Pump Rate | gals/min | – | – | .07 | – | .03 | .03 |
| | Total Volume | gals | – | – | 2 | 2 | 2 | 3 |
| | NAPL | % Vol | – | – | 30 | – | – | 30 |
| | NAPL | Gals | – | – | .6 | – | – | .9 |
| EW | Data Logger Head .52 | ft | (.10) | .53 | .88 | (.39) | .02 | (.18) |
| | GW Depression | ft | (0.62) | 0.01 | 0.36 | (0.91) | (0.50) | (0.70) |
| | Extraction Well | DTNAPL | | | | | | |
| | Extraction Well | DTGW | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 5A PAGE # 2 ACUVAC MDP SYSTEM

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

Well # MW-1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Date | | | | | | | |
| | Time | 1000 | 1030 | 1100 | 1130 | 1200 | 1230 | |
| | Hr Meter | | | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| | Oil Pressure | psi | 50 | 50 | 50 | 50 | 50 | 50 |
| | Water Temp | °F | 150 | 155 | 150 | 150 | 155 | 160 |
| | Alternator | Volts | 13 | 13 | 13 | 13 | 13 | 13 |
| | Intake Vacuum | "Hg | 12 | 12 | 12 | 12 | 12 | 12 |
| | Gas Flow Fuel/Propane | cfh | 20 | 20 | 10 | 10 | 10 | 10 |
| ATMOSPHERE VACUUM / AIR | Extraction Well Vac. | "$H_2O$ | 80 | 75 | 75 | 75 | 75 | 70 |
| | Extraction Well Flow | scfm | 14.74 | 14.86 | 14.83 | 14.80 | 14.90 | 1492 |
| | Influent Vapor Temp. | °F | 72 | 74 | 76 | 78 | 78 | 80 |
| | Air Temp | °F | 75 | 77 | 79 | 82 | 84 | 84 |
| | Barometric Pressure | "Hg | 30.25 | 30.26 | 30.25 | 30.24 | 30.23 | 30.22 |
| | Absolute Pressure | "Hg | 24.42 | 24.42 | 24.42 | 24.41 | 24.40 | 24.39 |
| VAPOR / INFLUENT | TPH | ppmv | – | 33,310 | – | 34480 | – | |
| | $CO_2$ | % | – | 4.20 | – | 4.26 | – | |
| | $O_2$ | % | – | 9.9 | – | 9.4 | – | |
| | $H_2S$ | ppm | – | 0 | – | 0 | – | |

NOTES

AT 1000 HRS STOPPED VAC TO PUMP DOWN WELL. RECOVERED 1GAL OF LIQUID SEE PHOTO OF WHICH 30% WAS LNAPL. VAC RESTARTED AT 75 IN $H_2O$ WVF @ 1486SCFM.

AT 1200 HRS CHANGED TO ELECTRIC PUMP. INITIALLY PUMPED DOWN WELL AND THEN MADE LITTLE DIFFERENCE IN LIQUID RECOVERY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| RECOVERY | Totalizer | gals | 46013 | 46013 | 46015 | 46015 | 46015 | 46018 |
| | Pump Rate | gals/min | – | .07 | – | – | – | .10 |
| | Total Volume | gals | 4 | 4 | 5 | 5 | 5 | 8 |
| | NAPL | % Vol | – | 30 | – | – | – | 55 |
| | NAPL | Gals | – | NIL | – | – | – | .55 |
| EW | Data Logger Head | ft | .07 | (.29) | (0.12) | (0.33) | (.41) | (.38) |
| | GW Depression | ft | (0.45) | (0.81) | (.64) | (0.85 | (.93) | (.90) |
| | Extraction Well | DTNAPL | | | | | | |
| | Extraction Well | DTGW | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 5A PAGE # 3 ACUVAC MDP SYSTEM

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

**Well #** MW-1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Date | 8/28/21 | | | | | |
| | | Time | 1300 | 1330 | 1400 | 1430 | 1500 | 1530 |
| | | Hr Meter | | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| | Oil Pressure | psi | 55 | 55 | 55 | 55 | 55 | 55 |
| | Water Temp | °F | 160 | 160 | 160 | 160 | 160 | 160 |
| | Alternator | Volts | 13 | 13 | 13 | 13 | 13 | 13 |
| | Intake Vacuum | "Hg | 12 | 12 | 12 | 12 | 12 | 12 |
| | Gas Flow Fuel/Propane | cfh | 10 | 10 | 10 | 10 | 10 | 10 |
| ATMOSPHERE VACUUM / AIR | Extraction Well Vac. | "$H_2O$ | 70 | 70 | 70 | 70 | 70 | 70 |
| | Extraction Well Flow | scfm | 14.92 | 14.89 | 14.89 | 14.89 | 14.92 | 14.92 |
| | Influent Vapor Temp. | °F | 80 | 82 | 82 | 82 | 80 | 80 |
| | Air Temp | °F | 88 | 88 | 90 | 90 | 91 | 91 |
| | Barometric Pressure | "Hg | 30.20 | 30.20 | 30.18 | 30.17 | 30.16 | 30.15 |
| | Absolute Pressure | "Hg | 24.39 | 24.37 | 24.35 | 2435 | 24.34 | 24.33 |
| VAPOR / INFLUENT | TPH | ppmv | - | 35260 | - | 36890 | - | 34720 |
| | $CO_2$ | % | - | 4.32 | - | 4.58 | - | 4.18 |
| | $O_2$ | % | - | 9.0 | - | 7.8 | - | 9.0 |
| | $H_2S$ | ppm | - | 0 | - | 0 | - | 0 |
| NOTES | WELL VAC AND FLOW MOSTLY STEADY DURING PERIOD. TPH VAPORS CONCENTRATIONS ↓ 34,720 PPMV AT 1530 HRS. LIQUID RECOVERY MINIMAL DURING PERIOD, BUT A HIGH PERCENTAGE OF LNAPL IN THE SAMPLES | | | | | | | |
| RECOVERY | Totalizer | gals | 46018 | 46018 | 46018 | 46019 | 46020 | 46020 |
| | Pump Rate | gals/min | - | - | .3 | .3 | - | - |
| | Total Volume | gals | 9 | 9 | 9 | 10 | 10 | 10 |
| | NAPL | % Vol | 55 | - | 40 | - | - | - |
| | NAPL | Gals | 1.65 | - | .12 | - | - | - |
| EW | Data Logger Head | ft | (.67) | (1.08) | (.78) | (1.107 | (1.097 | (.92) |
| | GW Depression | ft | (1.19) | (1.60) | (1.30) | (1.62) | (1.61) | (1.44) |
| | Extraction Well | DTNAPL | | | | | | |
| | Extraction Well | DTGW | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 5A PAGE # 4 ACUVAC MDP SYSTEM

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well # MW-1 | Date | 8/28/21 | | | | | | |
| | Time | 1600 | 1630 | 1700 | | | | |
| | Hr Meter | | | | | | | |
| ENGINE / BLOWER | Engine Speed RPM | 1900 | 1900 | 1900 | | | | |
| | Oil Pressure psi | 50 | 50 | 50 | | | | |
| | Water Temp °F | 170 | 170 | 170 | | | | |
| | Alternator Volts | 13 | 13 | 13 | | | | |
| | Intake Vacuum "Hg | 12 | 12 | 12 | | | | |
| | Gas Flow Fuel/Propane cfh | 10 | 10 | 10 | | | | |
| ATMOSPHERE VACUUM / AIR | Extraction Well Vac. "$H_2O$ | 70 | 70 | 70 | | | | |
| | Extraction Well Flow scfm | 14.89 | 14.89 | 14.89 | | | | |
| | Influent Vapor Temp. °F | 82 | 82 | 82 | | | | |
| | Air Temp °F | 92 | 93 | 93 | | | | |
| | Barometric Pressure "Hg | 30.14 | 30.13 | 30.12 | | | | |
| | Absolute Pressure "Hg | 24.32 | 24.32 | 24.31 | | | | |
| VAPOR / INFLUENT | TPH ppmv | – | 36,180 | – | | | | |
| | $CO_2$ % | – | 4.46 | – | | | | |
| | $O_2$ % | – | 7.9 | – | | | | |
| | $H_2S$ ppm | – | 0 | – | | | | |
| NOTES | | | | | | | | |
| RECOVERY | Totalizer gals | 46020 | 46020 | 46022 | | | | |
| | Pump Rate gals/min | – | – | – | | | | |
| | Total Volume gals | 11 | 11 | 13 | | | | |
| | NAPL % Vol | – | – | – | | | | |
| | NAPL Gals | – | – | – | | | | |
| EW | Data Logger Head ft | (.76) | (1.02) | – | | | | |
| | GW Depression ft | <1.28> | <1.54 | – | | | | |
| | Extraction Well DTNAPL | | | | | | | |
| | Extraction Well DTGW | | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 513 PAGE # 1 ACUVAC MDP SYSTEM

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Well #** MW-8 | | Date | 8/29/21 | | | | | |
| | | Time | 0645 | 0715 | 0745 | 0815 | 0845 | 0915 |
| | | Hr Meter | 9749.5 | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 1900 | 2000 | 1900 | 1500 | 1900 | 1400 |
| | Oil Pressure | psi | 55 | 55 | 55 | 55 | 55 | 55 |
| | Water Temp | °F | 130 | 130 | 135 | 140 | 145 | 150 |
| | Alternator | Volts | 13 | 13 | 13 | 13 | 13 | 14 |
| | Intake Vacuum | "Hg | 18 | 18 | 18 | 18 | 18 | 18 |
| | Gas Flow Fuel/Propane | cfh | 20 | 10 | 0 | 0 | 0 | 0 |
| ATMOSPHERE VACUUM / AIR | Extraction Well Vac. | "$H_2O$ | 95 | 110 | 110 | 115 | 115 | 115 |
| | Extraction Well Flow | scfm | 6.24 | 7.69 | 8.79 | 9.73 | 10.08 | 10.06 |
| | Influent Vapor Temp. | °F | 66 | 66 | 66 | 70 | 72 | 74 |
| | Air Temp | °F | 61 | 59 | 63 | 64 | 68 | 72 |
| | Barometric Pressure | "Hg | 30.23 | 30.24 | 30.24 | 30.24 | 30.24 | 30.25 |
| | Absolute Pressure | "Hg | 24.40 | 24.40 | 24.41 | 24.41 | 24.41 | 24.42 |
| VAPOR / INFLUENT | TPH | ppmv | – | 40,810 | – | 39120 | – | 38680 |
| | $CO_2$ | % | – | 3.16 | – | 2.74 | – | 2.72 |
| | $O_2$ | % | – | 5.8 | – | 8.3 | – | 8.0 |
| | $H_2S$ | ppm | – | 0 | – | 0 | – | 0 |
| NOTES | ARRIVED ON SITE AT 0630. ACUVAC EQUIPMENT WAS MOBILIZED ON WELL ON 8/28/21 AT THE END OF EVENT #5A. PLUGGED OUTER WELLS. OBTAINED STATIC DL READING, PERFORMED ALL SAFETY CHECKS. ALL OK. 0645 EVENT STARTED. TPH VAPORS COMBINED WITH WELL FLOW PROVIDED 95% OF ICE FUEL. OW WELL MW-1 RECORDED HIGHEST VAC INFLUENCE AT 1.99 IN $H_2O$ SLIGHTLY 1.8 % | | | | | | | |
| RECOVERY | Totalizer | gals | 46022 | 46025 | 46026 | 46025 | 46027 | 46027 |
| | Pump Rate | gals/min | .10 | .03 | – | .03 | – | .03 |
| | Total Volume | gals | – | 3 | 4 | 4 | 5 | 5 |
| | NAPL | % Vol | – | 1% | 1% | – | 12 | 12 |
| | NAPL | Gals | – | .03 | .01 | – | .12 | .– |
| EW | Data Logger Head 10.64 | ft | 13.24 | 2.37 | 2.04 | 3.71 | 2.07 | 4.16 |
| | GW (Depression) UPWELLING | ft | 2.60 | (8.27) | (8.60) | (6.93) | (8.57) | (6.48) |
| | Extraction Well | DTNAPL | | | | | | |
| | Extraction Well | DTGW | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 5B PAGE # 2 ACUVAC MDP SYSTEM

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

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well # | | Date | 8/29/21 | | | | | |
| | | Time | 0945 | 1015 | 1045 | 1115 | 1145 | 1215 |
| | | Hr Meter | | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 2000 | 2000 | 2000 | 2000 | 2100 | 2100 |
| | Oil Pressure | psi | 55 | 55 | 55 | 55 | 55 | 55 |
| | Water Temp | °F | 150 | 150 | 150 | 150 | 160 | 160 |
| | Alternator | Volts | 14 | 14 | 14 | 14 | 14 | 14 |
| | 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. | "$H_2O$ | 120 | 120 | 120 | 120 | 120 | 120 |
| | Extraction Well Flow | scfm | 11.36 | 11.34 | 11.34 | 11.34 | 11.32 | 160 |
| | Influent Vapor Temp. | °F | 74 | 76 | 76 | 76 | 78 | 80 |
| | Air Temp | °F | 77 | 78 | 78 | 79 | 80 | 86 |
| | Barometric Pressure | "Hg | 30.25 | 30.25 | 30.25 | 30.25 | 30.25 | 30.22 |
| | Absolute Pressure | "Hg | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.40 |
| VAPOR / INFLUENT | TPH | ppmv | - | 39140 | - | 41130 | - | 41010 |
| | $CO_2$ | % | - | 2.96 | - | 3.4 | - | 3.58 |
| | $O_2$ | % | - | 7.70 | - | 5.7 | - | 5.4 |
| | $H_2S$ | ppm | - | 0 | - | 0 | - | 0 |
| NOTES | 0945 WELL VAC↑ 120 IN $H_2O$, WVF↑ 11.36 SCFM TPH VAPOR CONCENTRATIONS ON A SLIGHTLY INCREASING TREND LIQUID RECOVERY APPROX 2 GAL/HR WELL IS PUMPED DOWN WHEN DL REACHES 8-10 FT. IN ORDER TO PRODUCE LIQUID. LNAPL APPROXIMATELY 12 % OF LIQUID RECOVERED. COMBINATION OF TPH CONCENTRATION AND WVF, VAPORS PROVIDING 100 % OF IC ENGINE FUEL. | | | | | | | |
| RECOVERY | Totalizer | gals | 46028 | 46028 | 46030 | 46030 | 46031 | 46031 |
| | Pump Rate | gals/min | - | .07 | - | .03 | - | - |
| | Total Volume | gals | 6 | 6 | 8 | 8 | 9 | 9 |
| | NAPL | % Vol | - | 12 | 12 | - | 12 | - |
| | NAPL | Gals | .12 | - | .24 | - | .12 | - |
| EW | Data Logger Head (10.64) | ft | 1.66 | 4.43 | 1.86 | 4.60 | 2.07 | 5.36 |
| | GW Depression | ft | (8.98) | (6.21) | (8.78) | (6.04) | (8.57) | (5.28) |
| | Extraction Well | DTNAPL | | | | | | |
| | Extraction Well | DTGW | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 5B PAGE # 3 ACUVAC MDP SYSTEM

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

Well # MW-8

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Date | 8/29/2 | | | | | |
| | | Time | 1245 | 1315 | 1345 | 1415 | 1445 | 1515 |
| | | Hr Meter | | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 |
| | Oil Pressure | psi | 55 | 55 | 55 | 55 | 55 | 55 |
| | Water Temp | °F | 160 | 160 | 160 | 160 | 160 | 160 |
| | Alternator | Volts | 14 | 14 | 14 | 14 | 14 | 14 |
| | Intake Vacuum | "Hg | 14 | 14 | 14 | 14 | 14 | 14 |
| | 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 | 12.00 | 12.71 | 12.71 | 12.69 | 12.66 | 12.66 |
| | Influent Vapor Temp. | °F | 80 | 80 | 80 | 82 | 84 | 84 |
| | Air Temp | °F | 88 | 90 | 91 | 92 | 93 | 93 |
| | Barometric Pressure | "Hg | 30.21 | 30.21 | 30.19 | 30.18 | 30.15 | 30.15 |
| | Absolute Pressure | "Hg | 24.38 | 24.37 | 24.36 | 24.36 | 24.34 | 24.33 |
| VAPOR / INFLUENT | TPH | ppmv | – | 41340 | – | 41650 | – | 41,170 |
| | $CO_2$ | % | – | 3.78 | – | 3.78 | – | 3.86 |
| | $O_2$ | % | – | 4.7 | – | 5.4 | – | 5.10 |
| | $H_2S$ | ppm | – | 0 | – | 0 | – | 0 |

NOTES

WELL VAC AND WVF STEADY DURING THE PERIOD. TPH VAPOR CONCENTRATIONS MOSTLY STEADY DURING PERIOD. LNAPL RECOVERY INCREASED AS A RESULT OF PUMPING WELL MW-8 ON A MORE FREQUENT INTERVAL

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| RECOVERY | Totalizer | gals | 46032 | 46032 | 46034 | 46034 | 46036 | 46037 |
| | Pump Rate | gals/min | – | .07 | – | – | .03 | |
| | Total Volume | gals | 10 | 10 | 12 | 12 | 14 | 15 |
| | NAPL | % Vol | 40 | – | 40 | – | 60 | 80 |
| | NAPL | Gals | .40 | – | .40 | – | 1.2 | .80 |
| EW | Data Logger Head | ft | 2.67 | 5.85 | 2.45 | 5.31 | 3.80 | 3.04 |
| | GW Depression | ft | (7.97) | (4.79) | (8.19) | (5.33) | (6.84) | (7.06) |
| | Extraction Well | DTNAPL | | | | | | |
| | Extraction Well | DTGW | | | | | | |

AcuVac Remediation

OPERATING DATA – EVENT # 53 PAGE # 4 ACUVAC MDP SYSTEM

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well # mw-8 | | Date | 8/29/21 | | | | | | |
| | | Time | 1545 | 1615 | 1630 | 1645 | | | |
| | | Hr Meter | | | | | | | |
| ENGINE / BLOWER | Engine Speed | RPM | 2200 | 2200 | 2200 | 2200 | | | |
| | Oil Pressure | psi | 55 | 55 | 55 | 55 | | | |
| | Water Temp | °F | 170 | 170 | 170 | 170 | | | |
| | Alternator | Volts | 14 | 14 | 14 | 14 | | | |
| | Intake Vacuum | "Hg | 14 | 14 | 14 | 14 | | | |
| | Gas Flow Fuel/Propane | cfh | 0 | 0 | 0 | 0 | | | |
| ATMOSPHERE VACUUM / AIR | Extraction Well Vac. | "$H_2O$ | 120 | 120 | 120 | 0 | | | |
| | Extraction Well Flow | scfm | 19 | 19 | 19 | 0 | | | |
| | Influent Vapor Temp. | °F | 84 | 84 | 82 | - | | | |
| | Air Temp | °F | 93 | 93 | 93 | 93 | | | |
| | Barometric Pressure | "Hg | 30.13 | 30.12 | 30.11 | 30.11 | | | |
| | Absolute Pressure | "Hg | 24.32 | 24.31 | 24.31 | 24.31 | | | |
| VAPOR / INFLUENT | TPH | ppmv | - | 40990 | - | - | | | |
| | $CO_2$ | % | - | 3.98 | - | - | | | |
| | $O_2$ | % | - | 4.90 | - | - | | | |
| | $H_2S$ | ppm | - | 0 | - | - | | | |
| NOTES | | | | | | | | | |
| RECOVERY | Totalizer | gals | 46037 | 46037 | 46037 | | | | |
| | Pump Rate | gals/min | | | | | | | |
| | Total Volume | gals | 15 | 15 | 15 | | | | |
| | NAPL | % Vol | 80 | | | | | | |
| | NAPL | Gals | | | | | | | |
| EW | Data Logger Head | ft | 3.59 | 5.12 | 7.19 | 7.05 | .27 | | |
| | GW Depression | ft | <7.057 | <5.527 | | | | | |
| | Extraction Well | DTNAPL | | | | | | | |
| | Extraction Well | DTGW | | | | | | | |

# APPENDIX D

eurofins | Environment Testing America

# ANALYTICAL REPORT

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

Laboratory Job ID: 400-203819-1
Client Project/Site: James F Bell #1E

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

Attn: Steve Varsa

Marty Edwards

*Authorized for release by:*
*6/9/2021 4:28:55 PM*

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

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

Laboratory Job ID: 400-203819-1

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# Definitions/Glossary

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

Job ID: 400-203819-1

## Glossary

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

# Case Narrative

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

Job ID: 400-203819-1

## Job ID: 400-203819-1

### Laboratory: Eurofins TestAmerica, Pensacola

**Narrative**

**Job Narrative**
**400-203819-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 5/25/2021 9:35 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 4.2º C.

**GC/MS VOA**
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-6 (400-203819-4), MW-10 (400-203819-5) and MW-11 (400-203819-6). 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

Job ID: 400-203819-1

## Client Sample ID: TB-01 — Lab Sample ID: 400-203819-1

No Detections.

## Client Sample ID: DUP-01 — Lab Sample ID: 400-203819-2

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 33 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 1.6 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 1.8 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Xylenes, Total | 62 | | 10 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-5 — Lab Sample ID: 400-203819-3

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 32 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 1.5 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 1.7 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Xylenes, Total | 58 | | 10 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-6 — Lab Sample ID: 400-203819-4

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 160 | | 5.0 | | ug/L | 5 | | 8260C | Total/NA |
| Ethylbenzene | 9.5 | | 5.0 | | ug/L | 5 | | 8260C | Total/NA |
| Xylenes, Total | 1100 | | 50 | | ug/L | 5 | | 8260C | Total/NA |

## Client Sample ID: MW-10 — Lab Sample ID: 400-203819-5

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 590 | | 50 | | ug/L | 50 | | 8260C | Total/NA |
| Xylenes, Total | 6100 | | 500 | | ug/L | 50 | | 8260C | Total/NA |

## Client Sample ID: MW-11 — Lab Sample ID: 400-203819-6

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2300 | | 50 | | ug/L | 50 | | 8260C | Total/NA |
| Toluene | 50 | | 50 | | ug/L | 50 | | 8260C | Total/NA |
| Ethylbenzene | 360 | | 50 | | ug/L | 50 | | 8260C | Total/NA |
| Xylenes, Total | 6900 | | 500 | | ug/L | 50 | | 8260C | Total/NA |

## Client Sample ID: MW-12 — Lab Sample ID: 400-203819-7

No Detections.

## Client Sample ID: MW-13 — Lab Sample ID: 400-203819-8

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | 14 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-14 — Lab Sample ID: 400-203819-9

No Detections.

## Client Sample ID: MW-15 — Lab Sample ID: 400-203819-10

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.9 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 30 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

# Detection Summary

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

Job ID: 400-203819-1

## Client Sample ID: MW-16 — Lab Sample ID: 400-203819-11

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 9.7 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-17 — Lab Sample ID: 400-203819-12

No Detections.

## Client Sample ID: MW-18 — Lab Sample ID: 400-203819-13

No Detections.

This Detection Summary does not include radiochemical test results.

# Sample Summary

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

Job ID: 400-203819-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---|---|---|---|---|---|
| 400-203819-1 | TB-01 | Water | 05/23/21 14:00 | 05/25/21 09:35 | |
| 400-203819-2 | DUP-01 | Water | 05/23/21 15:10 | 05/25/21 09:35 | |
| 400-203819-3 | MW-5 | Water | 05/23/21 14:10 | 05/25/21 09:35 | |
| 400-203819-4 | MW-6 | Water | 05/23/21 14:26 | 05/25/21 09:35 | |
| 400-203819-5 | MW-10 | Water | 05/23/21 14:40 | 05/25/21 09:35 | |
| 400-203819-6 | MW-11 | Water | 05/23/21 14:48 | 05/25/21 09:35 | |
| 400-203819-7 | MW-12 | Water | 05/23/21 14:56 | 05/25/21 09:35 | |
| 400-203819-8 | MW-13 | Water | 05/23/21 15:08 | 05/25/21 09:35 | |
| 400-203819-9 | MW-14 | Water | 05/23/21 15:18 | 05/25/21 09:35 | |
| 400-203819-10 | MW-15 | Water | 05/23/21 15:25 | 05/25/21 09:35 | |
| 400-203819-11 | MW-16 | Water | 05/23/21 15:31 | 05/25/21 09:35 | |
| 400-203819-12 | MW-17 | Water | 05/23/21 15:40 | 05/25/21 09:35 | |
| 400-203819-13 | MW-18 | Water | 05/23/21 15:49 | 05/25/21 09:35 | |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: TB-01

**Lab Sample ID: 400-203819-1**

**Date Collected: 05/23/21 14:00**
**Date Received: 05/25/21 09:35**

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 08:28 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 08:28 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 08:28 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 08:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *78 - 118* | | *05/27/21 08:28* | *1* |
| *Dibromofluoromethane* | *111* | | *81 - 121* | | *05/27/21 08:28* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *80 - 120* | | *05/27/21 08:28* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: DUP-01

**Date Collected: 05/23/21 15:10**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-2

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **33** | | 1.0 | | ug/L | | | 05/27/21 08:54 | 1 |
| **Toluene** | **1.6** | | 1.0 | | ug/L | | | 05/27/21 08:54 | 1 |
| **Ethylbenzene** | **1.8** | | 1.0 | | ug/L | | | 05/27/21 08:54 | 1 |
| **Xylenes, Total** | **62** | | 10 | | ug/L | | | 05/27/21 08:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *87* | | *78 - 118* | | *05/27/21 08:54* | *1* |
| *Dibromofluoromethane* | *106* | | *81 - 121* | | *05/27/21 08:54* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *05/27/21 08:54* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-5

**Date Collected: 05/23/21 14:10**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-3

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **32** | | 1.0 | | ug/L | | | 05/27/21 09:19 | 1 |
| **Toluene** | **1.5** | | 1.0 | | ug/L | | | 05/27/21 09:19 | 1 |
| **Ethylbenzene** | **1.7** | | 1.0 | | ug/L | | | 05/27/21 09:19 | 1 |
| **Xylenes, Total** | **58** | | 10 | | ug/L | | | 05/27/21 09:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *87* | | *78 - 118* | | *05/27/21 09:19* | *1* |
| *Dibromofluoromethane* | *109* | | *81 - 121* | | *05/27/21 09:19* | *1* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* | | *05/27/21 09:19* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

**Client Sample ID: MW-6**
**Date Collected: 05/23/21 14:26**
**Date Received: 05/25/21 09:35**

**Lab Sample ID: 400-203819-4**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **160** | | 5.0 | | ug/L | | | 05/27/21 09:43 | 5 |
| Toluene | <5.0 | | 5.0 | | ug/L | | | 05/27/21 09:43 | 5 |
| **Ethylbenzene** | **9.5** | | 5.0 | | ug/L | | | 05/27/21 09:43 | 5 |
| **Xylenes, Total** | **1100** | | 50 | | ug/L | | | 05/27/21 09:43 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *78 - 118* | | *05/27/21 09:43* | *5* |
| *Dibromofluoromethane* | *106* | | *81 - 121* | | *05/27/21 09:43* | *5* |
| *Toluene-d8 (Surr)* | *96* | | *80 - 120* | | *05/27/21 09:43* | *5* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-10

**Date Collected: 05/23/21 14:40**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-5

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **590** | | 50 | | ug/L | | | 05/27/21 10:09 | 50 |
| Toluene | <50 | | 50 | | ug/L | | | 05/27/21 10:09 | 50 |
| Ethylbenzene | <50 | | 50 | | ug/L | | | 05/27/21 10:09 | 50 |
| **Xylenes, Total** | **6100** | | 500 | | ug/L | | | 05/27/21 10:09 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *89* | | *78 - 118* | | *05/27/21 10:09* | *50* |
| *Dibromofluoromethane* | *105* | | *81 - 121* | | *05/27/21 10:09* | *50* |
| *Toluene-d8 (Surr)* | *95* | | *80 - 120* | | *05/27/21 10:09* | *50* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-11

**Date Collected: 05/23/21 14:48**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-6

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **2300** | | 50 | | ug/L | | | 05/27/21 10:35 | 50 |
| **Toluene** | **50** | | 50 | | ug/L | | | 05/27/21 10:35 | 50 |
| **Ethylbenzene** | **360** | | 50 | | ug/L | | | 05/27/21 10:35 | 50 |
| **Xylenes, Total** | **6900** | | 500 | | ug/L | | | 05/27/21 10:35 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *78 - 118* | | *05/27/21 10:35* | *50* |
| *Dibromofluoromethane* | *101* | | *81 - 121* | | *05/27/21 10:35* | *50* |
| *Toluene-d8 (Surr)* | *106* | | *80 - 120* | | *05/27/21 10:35* | *50* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-12

**Date Collected: 05/23/21 14:56**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-7

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 12:11 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 12:11 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 12:11 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 12:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *92* | | *78 - 118* | | *05/27/21 12:11* | *1* |
| *Dibromofluoromethane* | *105* | | *81 - 121* | | *05/27/21 12:11* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *05/27/21 12:11* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

**Client Sample ID: MW-13**
**Date Collected: 05/23/21 15:08**
**Date Received: 05/25/21 09:35**

**Lab Sample ID: 400-203819-8**
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 12:37 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 12:37 | 1 |
| **Ethylbenzene** | **14** | | 1.0 | | ug/L | | | 05/27/21 12:37 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 12:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *91* | | *78 - 118* | | *05/27/21 12:37* | *1* |
| *Dibromofluoromethane* | *106* | | *81 - 121* | | *05/27/21 12:37* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* | | *05/27/21 12:37* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-14

**Date Collected: 05/23/21 15:18**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-9

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 13:03 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 13:03 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 13:03 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 13:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *89* | | *78 - 118* | | *05/27/21 13:03* | *1* |
| *Dibromofluoromethane* | *104* | | *81 - 121* | | *05/27/21 13:03* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *05/27/21 13:03* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-15

**Date Collected: 05/23/21 15:25**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-10

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **1.9** | | 1.0 | | ug/L | | | 05/27/21 13:29 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 13:29 | 1 |
| **Ethylbenzene** | **30** | | 1.0 | | ug/L | | | 05/27/21 13:29 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 13:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *78 - 118* | | *05/27/21 13:29* | *1* |
| *Dibromofluoromethane* | *102* | | *81 - 121* | | *05/27/21 13:29* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* | | *05/27/21 13:29* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-16

**Date Collected: 05/23/21 15:31**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-11

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **9.7** | | 1.0 | | ug/L | | | 05/27/21 13:55 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 13:55 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 13:55 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 13:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *91* | | *78 - 118* | | *05/27/21 13:55* | *1* |
| *Dibromofluoromethane* | *103* | | *81 - 121* | | *05/27/21 13:55* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *05/27/21 13:55* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-17

**Date Collected: 05/23/21 15:40**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-12

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 14:21 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 14:21 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 14:21 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 14:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *91* | | *78 - 118* | | *05/27/21 14:21* | *1* |
| *Dibromofluoromethane* | *104* | | *81 - 121* | | *05/27/21 14:21* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* | | *05/27/21 14:21* | *1* |

# Client Sample Results

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

Job ID: 400-203819-1

## Client Sample ID: MW-18

**Date Collected: 05/23/21 15:49**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-13

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 14:47 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 14:47 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 14:47 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 14:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *89* | | *78 - 118* | | *05/27/21 14:47* | *1* |
| *Dibromofluoromethane* | *104* | | *81 - 121* | | *05/27/21 14:47* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *80 - 120* | | *05/27/21 14:47* | *1* |

# QC Association Summary

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

Job ID: 400-203819-1

## GC/MS VOA

### Analysis Batch: 533429

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-203819-1 | TB-01 | Total/NA | Water | 8260C | |
| 400-203819-2 | DUP-01 | Total/NA | Water | 8260C | |
| 400-203819-3 | MW-5 | Total/NA | Water | 8260C | |
| 400-203819-4 | MW-6 | Total/NA | Water | 8260C | |
| 400-203819-5 | MW-10 | Total/NA | Water | 8260C | |
| 400-203819-6 | MW-11 | Total/NA | Water | 8260C | |
| 400-203819-7 | MW-12 | Total/NA | Water | 8260C | |
| 400-203819-8 | MW-13 | Total/NA | Water | 8260C | |
| 400-203819-9 | MW-14 | Total/NA | Water | 8260C | |
| 400-203819-10 | MW-15 | Total/NA | Water | 8260C | |
| 400-203819-11 | MW-16 | Total/NA | Water | 8260C | |
| 400-203819-12 | MW-17 | Total/NA | Water | 8260C | |
| 400-203819-13 | MW-18 | Total/NA | Water | 8260C | |
| MB 400-533429/4 | Method Blank | Total/NA | Water | 8260C | |
| LCS 400-533429/1002 | Lab Control Sample | Total/NA | Water | 8260C | |
| 400-203819-2 MS | DUP-01 | Total/NA | Water | 8260C | |
| 400-203819-2 MSD | DUP-01 | Total/NA | Water | 8260C | |

# QC Sample Results

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

Job ID: 400-203819-1

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

**Lab Sample ID: MB 400-533429/4**
**Matrix: Water**
**Analysis Batch: 533429**

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

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 08:04 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 08:04 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 05/27/21 08:04 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 05/27/21 08:04 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *78 - 118* | | *05/27/21 08:04* | *1* |
| *Dibromofluoromethane* | *111* | | *81 - 121* | | *05/27/21 08:04* | *1* |
| *Toluene-d8 (Surr)* | *93* | | *80 - 120* | | *05/27/21 08:04* | *1* |

**Lab Sample ID: LCS 400-533429/1002**
**Matrix: Water**
**Analysis Batch: 533429**

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 50.0 | 53.3 | | ug/L | | 107 | 70 - 130 | | |
| Toluene | | | 50.0 | 48.0 | | ug/L | | 96 | 70 - 130 | | |
| Ethylbenzene | | | 50.0 | 52.0 | | ug/L | | 104 | 70 - 130 | | |
| Xylenes, Total | | | 100 | 104 | | ug/L | | 104 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *89* | | *78 - 118* |
| *Dibromofluoromethane* | *109* | | *81 - 121* |
| *Toluene-d8 (Surr)* | *93* | | *80 - 120* |

**Lab Sample ID: 400-203819-2 MS**
**Matrix: Water**
**Analysis Batch: 533429**

**Client Sample ID: DUP-01**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 33 | | 50.0 | 63.6 | | ug/L | | 61 | 56 - 142 | | |
| Toluene | 1.6 | | 50.0 | 42.5 | | ug/L | | 82 | 65 - 130 | | |
| Ethylbenzene | 1.8 | | 50.0 | 44.5 | | ug/L | | 85 | 58 - 131 | | |
| Xylenes, Total | 62 | | 100 | 143 | | ug/L | | 81 | 59 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *78 - 118* |
| *Dibromofluoromethane* | *101* | | *81 - 121* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* |

**Lab Sample ID: 400-203819-2 MSD**
**Matrix: Water**
**Analysis Batch: 533429**

**Client Sample ID: DUP-01**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 33 | | 50.0 | 66.6 | | ug/L | | 67 | 56 - 142 | 5 | 30 |
| Toluene | 1.6 | | 50.0 | 43.9 | | ug/L | | 85 | 65 - 130 | 3 | 30 |
| Ethylbenzene | 1.8 | | 50.0 | 45.5 | | ug/L | | 87 | 58 - 131 | 2 | 30 |

# QC Sample Results

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

Job ID: 400-203819-1

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

**Lab Sample ID: 400-203819-2 MSD**
**Matrix: Water**
**Analysis Batch: 533429**

**Client Sample ID: DUP-01**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | 62 | | 100 | 145 | | ug/L | | 83 | 59 - 130 | 1 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *78 - 118* |
| *Dibromofluoromethane* | *102* | | *81 - 121* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* |

# Lab Chronicle

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

Job ID: 400-203819-1

## Client Sample ID: TB-01
**Lab Sample ID: 400-203819-1**
**Date Collected: 05/23/21 14:00**
**Matrix: Water**
**Date Received: 05/25/21 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 08:28 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: DUP-01
**Lab Sample ID: 400-203819-2**
**Date Collected: 05/23/21 15:10**
**Matrix: Water**
**Date Received: 05/25/21 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 08:54 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-5
**Lab Sample ID: 400-203819-3**
**Date Collected: 05/23/21 14:10**
**Matrix: Water**
**Date Received: 05/25/21 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 09:19 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-6
**Lab Sample ID: 400-203819-4**
**Date Collected: 05/23/21 14:26**
**Matrix: Water**
**Date Received: 05/25/21 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 5 mL | 5 mL | 533429 | 05/27/21 09:43 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-10
**Lab Sample ID: 400-203819-5**
**Date Collected: 05/23/21 14:40**
**Matrix: Water**
**Date Received: 05/25/21 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 50 | 5 mL | 5 mL | 533429 | 05/27/21 10:09 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-11
**Lab Sample ID: 400-203819-6**
**Date Collected: 05/23/21 14:48**
**Matrix: Water**
**Date Received: 05/25/21 09:35**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 50 | 5 mL | 5 mL | 533429 | 05/27/21 10:35 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

# Lab Chronicle

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

Job ID: 400-203819-1

## Client Sample ID: MW-12
**Date Collected: 05/23/21 14:56**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-7
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 12:11 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-13
**Date Collected: 05/23/21 15:08**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-8
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 12:37 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-14
**Date Collected: 05/23/21 15:18**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-9
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 13:03 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-15
**Date Collected: 05/23/21 15:25**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-10
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 13:29 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-16
**Date Collected: 05/23/21 15:31**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-11
**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 | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 13:55 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-17
**Date Collected: 05/23/21 15:40**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-12
**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 | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 14:21 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

# Lab Chronicle

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

Job ID: 400-203819-1

## Client Sample ID: MW-18

**Date Collected: 05/23/21 15:49**
**Date Received: 05/25/21 09:35**

## Lab Sample ID: 400-203819-13

**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 | 8260C | | 1 | 5 mL | 5 mL | 533429 | 05/27/21 14:47 | WPD | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 400-203819-1

## Laboratory: Eurofins TestAmerica, Pensacola

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alabama | State | 40150 | 06-30-21 |
| ANAB | ISO/IEC 17025 | L2471 | 02-23-23 |
| Arizona | State | AZ0710 | 01-12-22 |
| Arkansas DEQ | State | 88-0689 | 09-02-21 |
| California | State | 2510 | 06-30-21 |
| Florida | NELAP | E81010 | 06-30-21 |
| Georgia | State | E81010(FL) | 06-30-21 |
| Illinois | NELAP | 200041 | 10-09-21 |
| Iowa | State | 367 | 08-01-22 |
| Kansas | NELAP | E-10253 | 10-31-21 |
| Kentucky (UST) | State | 53 | 06-30-21 |
| Kentucky (WW) | State | KY98030 | 12-31-21 |
| Louisiana | NELAP | 30976 | 06-30-21 |
| Louisiana (DW) | State | LA017 | 12-31-21 |
| Maryland | State | 233 | 09-30-21 |
| Massachusetts | State | M-FL094 | 06-30-21 |
| Michigan | State | 9912 | 06-30-21 |
| New Jersey | NELAP | FL006 | 06-30-21 |
| North Carolina (WW/SW) | State | 314 | 12-31-21 |
| Oklahoma | State | 9810 | 08-31-21 |
| Pennsylvania | NELAP | 68-00467 | 01-31-22 |
| Rhode Island | State | LAO00307 | 12-30-21 |
| South Carolina | State | 96026 | 06-30-21 |
| Tennessee | State | TN02907 | 06-30-21 |
| Texas | NELAP | T104704286 | 09-30-21 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-21 |
| USDA | US Federal Programs | P330-21-00056 | 05-17-24 |
| Virginia | NELAP | 460166 | 06-14-21 |
| Washington | State | C915 | 05-15-22 |
| West Virginia DEP | State | 136 | 06-30-21 |

# Method Summary

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

Job ID: 400-203819-1

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

**Protocol References:**

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

**Laboratory References:**

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

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

# Chain of Custody Record

400-203819 COC

eurofins | Environment Testing America

| Client Information | Sampler: SRC, MW | Lab PM: Edwards, Marty P | Carrier Tracking No(s): | COC No: 400-102802-36537.1 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 913 980 0281 | E-Mail: Marty.Edwards@Eurofinset.com | State of Origin: | Page: Page 1 of 1 ~~1~~ 1 of 2 |
| Company: Stantec Consulting Services Inc | PWSID: | | | Job #: |
| Address: 11153 Aurora Avenue | Due Date Requested: | | | |
| City: Des Moines | TAT Requested (days): STD | | | |
| State, Zip: IA, 50322-7904 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 303-291-2239(Tel) | PO #: See Project Notes | | | |
| Email: steve.varsa@stantec.com | WO #: | | | |
| Project Name: James F Bell #1E.00 | Project #: 40005479 | | | |
| Site: | SSOW#: | | | |

W-STW-ERG-05-06-2021
SRC-06

**Analysis Requested**

**Preservation Codes:**

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

Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8260C - (MOD) BTEX 8260 | 8260C - (MOD) BTEX 8260 (unpreserved) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| Preservation Code: | | | | | | | A | N | | |
| TB-01 | 5/23/2021 | 1400 | G | Water | | | 2 | | 2 | Trip Blank |
| DUP-01 | 5/23/2021 | 1510 | G | Water | | | 3 | | 3 | Duplicate |
| MW-5 | 5/23/2021 | 1410 | G | Water | | | 3 | | 3 | |
| MW-6 | 5/23/2021 | 1426 | G | Water | | | | 3 | 3 | |
| MW-10 | 5/23/2021 | 1440 | G | Water | | | | 3 | 3 | |
| MW-11 | 5/23/2021 | 1448 | G | Water | | | | 3 | 3 | |
| MW-12 | 5/23/2021 | 1456 | G | Water | | | 3 | | 3 | |
| MW-13 | 5/23/2021 | 1508 | G | Water | | | 3 | | 3 | |
| MW-14 | 5/23/2021 | 1518 | G | Water | | | 3 | | 3 | |
| MW-15 | 5/23/2021 | 1525 | G | Water | | | 3 | | 3 | |
| MW-16 | 5/23/2021 | 1531 | G | | | | 3 | | 3 | |

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

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

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

Special Instructions/QC Requirements:

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|
| Relinquished by: Sean N Clay | Date/Time: 5/24/2021 0806 | Company: STW | Received by: Fedex |
| Relinquished by: | Date/Time: | Company | Received by: |
| Relinquished by: | Date/Time: | Company | Received by: |

| Date/Time: | Company |
|---|---|
| 5/24/2021 0800 | Fedex |
| 5/25/21 935 | ERG |
| | |

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

Cooler Temperature(s) °C and Other Remarks: 1.2°C IR7

Ver: 11/01/2020

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

# Chain of Custody Record

eurofins | Environment Testing America

| Client Information | Sampler: SRL, MW | Lab PM: Edwards, Marty P | Carrier Tracking No(s): | COC No: 400-102802-36537.1 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 913 980 0281 | E-Mail: Marty.Edwards@Eurofinset.com | State of Origin: | Page: ~~Page 1 of 1~~ 2 of 2 |
| Company: Stantec Consulting Services Inc | PWSID: | | | Job #: |
| Address: 11153 Aurora Avenue | Due Date Requested: | | | |
| City: Des Moines | TAT Requested (days): STD | | | |
| State, Zip: IA, 50322-7904 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 303-291-2239(Tel) | PO #: See Project Notes | | | |
| Email: steve.varsa@stantec.com | WO #: | | | |
| Project Name: James F Bell #1E.00 | Project #: 40005479 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

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

Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8260C - (MOD) BTEX 8260 | 8260C - (MOD) BTEX 8260 (unpreserved) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | |
| MW-17 | 5/23/2021 | 1540 | G | Water | | | 3 | | 3 | |
| MW-18 | 5/23/2021 | 1549 | G | Water | | | 3 | | 3 | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |

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

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

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

Special Instructions/QC Requirements:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Empty Kit Relinquished by: | | Date: | | Time: | | Method of Shipment: | |
| Relinquished by: | Date/Time: 5/24/2021 0800 | Company STW | Received by: Fedex | Date/Time: 5/24/2021 0800 | Company Fedex | | |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: 5/25/21 935 | Company STW | | |
| 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: 11/01/2020

# Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-203819-1

**Login Number: 203819** **List Source: Eurofins TestAmerica, Pensacola**
**List Number: 1**
**Creator: Perez, Trina M**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 4.2°C IR-7 |
| 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 | |

eurofins | Environment Testing America

# ANALYTICAL REPORT

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

Laboratory Job ID: 400-211288-1
Client Project/Site: James F Bell #1E

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

Attn: Steve Varsa

Cheyenne Whitmire

*Authorized for release by:*
*11/29/2021 9:02:03 PM*

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



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

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

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

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

Laboratory Job ID: 400-211288-1

# Table of Contents


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# Definitions/Glossary

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

Job ID: 400-211288-1

## Glossary

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

# Case Narrative

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

Job ID: 400-211288-1

## Job ID: 400-211288-1

### Laboratory: Eurofins TestAmerica, Pensacola

**Narrative**

**Job Narrative**
**400-211288-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 11/16/2021 9:10 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 0.3º C.

**GC/MS VOA**
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3 (400-211288-4) and MW-6 (400-211288-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-7 (400-211288-8). 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

Job ID: 400-211288-1

## Client Sample ID: TB-01 Lab Sample ID: 400-211288-1

No Detections.

## Client Sample ID: DUP-01 Lab Sample ID: 400-211288-2

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 19 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 3.6 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 1.1 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Xylenes, Total | 22 | | 10 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-2 Lab Sample ID: 400-211288-3

No Detections.

## Client Sample ID: MW-3 Lab Sample ID: 400-211288-4

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 22 | | 2.0 | | ug/L | 2 | | 8260C | Total/NA |
| Ethylbenzene | 370 | | 2.0 | | ug/L | 2 | | 8260C | Total/NA |

## Client Sample ID: MW-4 Lab Sample ID: 400-211288-5

No Detections.

## Client Sample ID: MW-5 Lab Sample ID: 400-211288-6

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 21 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 3.1 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 1.7 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Xylenes, Total | 27 | | 10 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-6 Lab Sample ID: 400-211288-7

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 81 | | 5.0 | | ug/L | 5 | | 8260C | Total/NA |
| Ethylbenzene | 22 | | 5.0 | | ug/L | 5 | | 8260C | Total/NA |
| Xylenes, Total | 590 | | 50 | | ug/L | 5 | | 8260C | Total/NA |

## Client Sample ID: MW-7 Lab Sample ID: 400-211288-8

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 210 | | 50 | | ug/L | 50 | | 8260C | Total/NA |
| Ethylbenzene | 290 | | 50 | | ug/L | 50 | | 8260C | Total/NA |
| Xylenes, Total | 2300 | | 500 | | ug/L | 50 | | 8260C | Total/NA |

## Client Sample ID: MW-9 Lab Sample ID: 400-211288-9

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

## Client Sample ID: MW-12 Lab Sample ID: 400-211288-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

# Detection Summary

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

Job ID: 400-211288-1

## Client Sample ID: MW-13 — Lab Sample ID: 400-211288-11

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 1.0 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 8.1 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-14 — Lab Sample ID: 400-211288-12

No Detections.

## Client Sample ID: MW-15 — Lab Sample ID: 400-211288-13

| Analyte | Result | Qualifier | RL | | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 2.8 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 22 | | 1.0 | | ug/L | 1 | | 8260C | Total/NA |

## Client Sample ID: MW-16 — Lab Sample ID: 400-211288-14

No Detections.

## Client Sample ID: MW-17 — Lab Sample ID: 400-211288-15

No Detections.

## Client Sample ID: MW-18 — Lab Sample ID: 400-211288-16

No Detections.

This Detection Summary does not include radiochemical test results.

# Sample Summary

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

Job ID: 400-211288-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 400-211288-1 | TB-01 | Water | 11/13/21 13:00 | 11/16/21 09:10 |
| 400-211288-2 | DUP-01 | Water | 11/13/21 14:45 | 11/16/21 09:10 |
| 400-211288-3 | MW-2 | Water | 11/13/21 13:58 | 11/16/21 09:10 |
| 400-211288-4 | MW-3 | Water | 11/13/21 14:08 | 11/16/21 09:10 |
| 400-211288-5 | MW-4 | Water | 11/13/21 14:14 | 11/16/21 09:10 |
| 400-211288-6 | MW-5 | Water | 11/13/21 13:45 | 11/16/21 09:10 |
| 400-211288-7 | MW-6 | Water | 11/13/21 14:30 | 11/16/21 09:10 |
| 400-211288-8 | MW-7 | Water | 11/13/21 14:39 | 11/16/21 09:10 |
| 400-211288-9 | MW-9 | Water | 11/13/21 14:46 | 11/16/21 09:10 |
| 400-211288-10 | MW-12 | Water | 11/13/21 14:54 | 11/16/21 09:10 |
| 400-211288-11 | MW-13 | Water | 11/13/21 15:05 | 11/16/21 09:10 |
| 400-211288-12 | MW-14 | Water | 11/13/21 15:14 | 11/16/21 09:10 |
| 400-211288-13 | MW-15 | Water | 11/13/21 15:22 | 11/16/21 09:10 |
| 400-211288-14 | MW-16 | Water | 11/13/21 15:31 | 11/16/21 09:10 |
| 400-211288-15 | MW-17 | Water | 11/13/21 15:40 | 11/16/21 09:10 |
| 400-211288-16 | MW-18 | Water | 11/13/21 15:45 | 11/16/21 09:10 |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: TB-01
**Date Collected: 11/13/21 13:00**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-1
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 15:27 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 15:27 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 15:27 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 15:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *92* | | *72 - 119* | | *11/18/21 15:27* | *1* |
| *Dibromofluoromethane* | *107* | | *75 - 126* | | *11/18/21 15:27* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *64 - 132* | | *11/18/21 15:27* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: DUP-01
**Date Collected: 11/13/21 14:45**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-2
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **19** | | 1.0 | | ug/L | | | 11/18/21 15:53 | 1 |
| **Toluene** | **3.6** | | 1.0 | | ug/L | | | 11/18/21 15:53 | 1 |
| **Ethylbenzene** | **1.1** | | 1.0 | | ug/L | | | 11/18/21 15:53 | 1 |
| **Xylenes, Total** | **22** | | 10 | | ug/L | | | 11/18/21 15:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *87* | | *72 - 119* | | *11/18/21 15:53* | *1* |
| *Dibromofluoromethane* | *101* | | *75 - 126* | | *11/18/21 15:53* | *1* |
| *Toluene-d8 (Surr)* | *109* | | *64 - 132* | | *11/18/21 15:53* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-2

**Date Collected: 11/13/21 13:58**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-3

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 12:50 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 12:50 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 12:50 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 12:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *89* | | *72 - 119* | | *11/18/21 12:50* | *1* |
| *Dibromofluoromethane* | *107* | | *75 - 126* | | *11/18/21 12:50* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *64 - 132* | | *11/18/21 12:50* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-3

**Date Collected: 11/13/21 14:08**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-4

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **22** | | 2.0 | | ug/L | | | 11/18/21 20:41 | 2 |
| Toluene | <2.0 | | 2.0 | | ug/L | | | 11/18/21 20:41 | 2 |
| **Ethylbenzene** | **370** | | 2.0 | | ug/L | | | 11/18/21 20:41 | 2 |
| Xylenes, Total | <20 | | 20 | | ug/L | | | 11/18/21 20:41 | 2 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *93* | | *72 - 119* | | *11/18/21 20:41* | *2* |
| *Dibromofluoromethane* | *99* | | *75 - 126* | | *11/18/21 20:41* | *2* |
| *Toluene-d8 (Surr)* | *120* | | *64 - 132* | | *11/18/21 20:41* | *2* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-4
**Date Collected: 11/13/21 14:14**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-5
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 16:19 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 16:19 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 16:19 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 16:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* | | *11/18/21 16:19* | *1* |
| *Dibromofluoromethane* | *103* | | *75 - 126* | | *11/18/21 16:19* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/18/21 16:19* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-5
**Date Collected: 11/13/21 13:45**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-6
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **21** | | 1.0 | | ug/L | | | 11/18/21 16:45 | 1 |
| **Toluene** | **3.1** | | 1.0 | | ug/L | | | 11/18/21 16:45 | 1 |
| **Ethylbenzene** | **1.7** | | 1.0 | | ug/L | | | 11/18/21 16:45 | 1 |
| **Xylenes, Total** | **27** | | 10 | | ug/L | | | 11/18/21 16:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* | | *11/18/21 16:45* | *1* |
| *Dibromofluoromethane* | *101* | | *75 - 126* | | *11/18/21 16:45* | *1* |
| *Toluene-d8 (Surr)* | *108* | | *64 - 132* | | *11/18/21 16:45* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-6

**Date Collected: 11/13/21 14:30**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-7

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **81** | | 5.0 | | ug/L | | | 11/18/21 21:07 | 5 |
| Toluene | <5.0 | | 5.0 | | ug/L | | | 11/18/21 21:07 | 5 |
| **Ethylbenzene** | **22** | | 5.0 | | ug/L | | | 11/18/21 21:07 | 5 |
| **Xylenes, Total** | **590** | | 50 | | ug/L | | | 11/18/21 21:07 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* | | *11/18/21 21:07* | *5* |
| *Dibromofluoromethane* | *102* | | *75 - 126* | | *11/18/21 21:07* | *5* |
| *Toluene-d8 (Surr)* | *106* | | *64 - 132* | | *11/18/21 21:07* | *5* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-7

**Date Collected: 11/13/21 14:39**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-8

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **210** | | 50 | | ug/L | | | 11/18/21 21:33 | 50 |
| Toluene | <50 | | 50 | | ug/L | | | 11/18/21 21:33 | 50 |
| **Ethylbenzene** | **290** | | 50 | | ug/L | | | 11/18/21 21:33 | 50 |
| **Xylenes, Total** | **2300** | | 500 | | ug/L | | | 11/18/21 21:33 | 50 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *72 - 119* | | *11/18/21 21:33* | *50* |
| *Dibromofluoromethane* | *105* | | *75 - 126* | | *11/18/21 21:33* | *50* |
| *Toluene-d8 (Surr)* | *107* | | *64 - 132* | | *11/18/21 21:33* | *50* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-9

**Date Collected: 11/13/21 14:46**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-9

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **1.4** | | 1.0 | | ug/L | | | 11/18/21 17:11 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 17:11 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 17:11 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 17:11 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *91* | | *72 - 119* | | *11/18/21 17:11* | *1* |
| *Dibromofluoromethane* | *105* | | *75 - 126* | | *11/18/21 17:11* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/18/21 17:11* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-12

**Date Collected: 11/13/21 14:54**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-10

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 17:37 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 17:37 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 17:37 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 17:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *72 - 119* | | *11/18/21 17:37* | *1* |
| *Dibromofluoromethane* | *107* | | *75 - 126* | | *11/18/21 17:37* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *64 - 132* | | *11/18/21 17:37* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-13
**Date Collected: 11/13/21 15:05**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-11
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **1.0** | | 1.0 | | ug/L | | | 11/18/21 18:04 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 18:04 | 1 |
| **Ethylbenzene** | **8.1** | | 1.0 | | ug/L | | | 11/18/21 18:04 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 18:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *89* | | *72 - 119* | | *11/18/21 18:04* | *1* |
| *Dibromofluoromethane* | *108* | | *75 - 126* | | *11/18/21 18:04* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *64 - 132* | | *11/18/21 18:04* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-14

**Date Collected: 11/13/21 15:14**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-12

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 18:30 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 18:30 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 18:30 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 18:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *92* | | *72 - 119* | | *11/18/21 18:30* | *1* |
| *Dibromofluoromethane* | *109* | | *75 - 126* | | *11/18/21 18:30* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/18/21 18:30* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-15

**Date Collected: 11/13/21 15:22**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-13

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **2.8** | | 1.0 | | ug/L | | | 11/18/21 18:57 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 18:57 | 1 |
| **Ethylbenzene** | **22** | | 1.0 | | ug/L | | | 11/18/21 18:57 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 18:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* | | *11/18/21 18:57* | *1* |
| *Dibromofluoromethane* | *106* | | *75 - 126* | | *11/18/21 18:57* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *64 - 132* | | *11/18/21 18:57* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-16
**Date Collected: 11/13/21 15:31**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-14
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 19:23 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 19:23 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 19:23 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 19:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *93* | | *72 - 119* | | *11/18/21 19:23* | *1* |
| *Dibromofluoromethane* | *107* | | *75 - 126* | | *11/18/21 19:23* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/18/21 19:23* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-17

**Date Collected: 11/13/21 15:40**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-15

**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 19:49 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 19:49 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 19:49 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 19:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* | | *11/18/21 19:49* | *1* |
| *Dibromofluoromethane* | *110* | | *75 - 126* | | *11/18/21 19:49* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *64 - 132* | | *11/18/21 19:49* | *1* |

# Client Sample Results

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

Job ID: 400-211288-1

## Client Sample ID: MW-18
**Date Collected: 11/13/21 15:45**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-16
**Matrix: Water**

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

| Analyte | Result | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 20:15 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 20:15 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 20:15 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 20:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *91* | | *72 - 119* | | *11/18/21 20:15* | *1* |
| *Dibromofluoromethane* | *110* | | *75 - 126* | | *11/18/21 20:15* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/18/21 20:15* | *1* |

# QC Association Summary

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

Job ID: 400-211288-1

## GC/MS VOA

### Analysis Batch: 556403

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-211288-1 | TB-01 | Total/NA | Water | 8260C | |
| 400-211288-2 | DUP-01 | Total/NA | Water | 8260C | |
| 400-211288-3 | MW-2 | Total/NA | Water | 8260C | |
| 400-211288-4 | MW-3 | Total/NA | Water | 8260C | |
| 400-211288-5 | MW-4 | Total/NA | Water | 8260C | |
| 400-211288-6 | MW-5 | Total/NA | Water | 8260C | |
| 400-211288-7 | MW-6 | Total/NA | Water | 8260C | |
| 400-211288-8 | MW-7 | Total/NA | Water | 8260C | |
| 400-211288-9 | MW-9 | Total/NA | Water | 8260C | |
| 400-211288-10 | MW-12 | Total/NA | Water | 8260C | |
| 400-211288-11 | MW-13 | Total/NA | Water | 8260C | |
| 400-211288-12 | MW-14 | Total/NA | Water | 8260C | |
| 400-211288-13 | MW-15 | Total/NA | Water | 8260C | |
| 400-211288-14 | MW-16 | Total/NA | Water | 8260C | |
| 400-211288-15 | MW-17 | Total/NA | Water | 8260C | |
| 400-211288-16 | MW-18 | Total/NA | Water | 8260C | |
| MB 400-556403/4 | Method Blank | Total/NA | Water | 8260C | |
| LCS 400-556403/1002 | Lab Control Sample | Total/NA | Water | 8260C | |
| 400-211288-3 MS | MW-2 | Total/NA | Water | 8260C | |
| 400-211288-3 MSD | MW-2 | Total/NA | Water | 8260C | |

# QC Sample Results

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

Job ID: 400-211288-1

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

### Lab Sample ID: MB 400-556403/4
### Matrix: Water
### Analysis Batch: 556403

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

| Analyte | MB Result | MB Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 11:58 | 1 |
| Toluene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 11:58 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | | ug/L | | | 11/18/21 11:58 | 1 |
| Xylenes, Total | <10 | | 10 | | ug/L | | | 11/18/21 11:58 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* | | *11/18/21 11:58* | *1* |
| *Dibromofluoromethane* | *107* | | *75 - 126* | | *11/18/21 11:58* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/18/21 11:58* | *1* |

### Lab Sample ID: LCS 400-556403/1002
### Matrix: Water
### Analysis Batch: 556403

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

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 50.0 | 49.6 | | ug/L | | 99 | 70 - 130 | | |
| Toluene | | | 50.0 | 53.8 | | ug/L | | 108 | 70 - 130 | | |
| Ethylbenzene | | | 50.0 | 56.3 | | ug/L | | 113 | 70 - 130 | | |
| Xylenes, Total | | | 100 | 111 | | ug/L | | 111 | 70 - 130 | | |

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

### Lab Sample ID: 400-211288-3 MS
### Matrix: Water
### Analysis Batch: 556403

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 | 50.2 | | ug/L | | 100 | 56 - 142 | | |
| Toluene | <1.0 | | 50.0 | 54.9 | | ug/L | | 110 | 65 - 130 | | |
| Ethylbenzene | <1.0 | | 50.0 | 56.4 | | ug/L | | 113 | 58 - 131 | | |
| Xylenes, Total | <10 | | 100 | 113 | | ug/L | | 113 | 59 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *88* | | *72 - 119* |
| *Dibromofluoromethane* | *103* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *102* | | *64 - 132* |

### Lab Sample ID: 400-211288-3 MSD
### Matrix: Water
### Analysis Batch: 556403

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 | 53.1 | | ug/L | | 106 | 56 - 142 | 6 | 30 |
| Toluene | <1.0 | | 50.0 | 57.1 | | ug/L | | 114 | 65 - 130 | 4 | 30 |
| Ethylbenzene | <1.0 | | 50.0 | 59.9 | | ug/L | | 120 | 58 - 131 | 6 | 30 |

# QC Sample Results

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

Job ID: 400-211288-1

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

**Lab Sample ID: 400-211288-3 MSD**
**Matrix: Water**
**Analysis Batch: 556403**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | <10 | | 100 | 120 | | ug/L | | 120 | 59 - 130 | 6 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *90* | | *72 - 119* |
| *Dibromofluoromethane* | *102* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *104* | | *64 - 132* |

# Lab Chronicle

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

Job ID: 400-211288-1

## Client Sample ID: TB-01
**Date Collected: 11/13/21 13:00**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-1
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 15:27 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: DUP-01
**Date Collected: 11/13/21 14:45**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-2
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 15:53 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-2
**Date Collected: 11/13/21 13:58**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-3
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 12:50 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-3
**Date Collected: 11/13/21 14:08**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-4
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 2 | 5 mL | 5 mL | 556403 | 11/18/21 20:41 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-4
**Date Collected: 11/13/21 14:14**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-5
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 16:19 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-5
**Date Collected: 11/13/21 13:45**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-6
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 16:45 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

# Lab Chronicle

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

Job ID: 400-211288-1

## Client Sample ID: MW-6
**Date Collected: 11/13/21 14:30**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-7
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 5 | 5 mL | 5 mL | 556403 | 11/18/21 21:07 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-7
**Date Collected: 11/13/21 14:39**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-8
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 50 | 5 mL | 5 mL | 556403 | 11/18/21 21:33 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-9
**Date Collected: 11/13/21 14:46**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-9
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 17:11 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-12
**Date Collected: 11/13/21 14:54**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-10
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 17:37 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-13
**Date Collected: 11/13/21 15:05**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-11
**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 | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 18:04 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-14
**Date Collected: 11/13/21 15:14**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-12
**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 | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 18:30 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

# Lab Chronicle

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

Job ID: 400-211288-1

## Client Sample ID: MW-15
**Date Collected: 11/13/21 15:22**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-13
**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 | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 18:57 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-16
**Date Collected: 11/13/21 15:31**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-14
**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 | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 19:23 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-17
**Date Collected: 11/13/21 15:40**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-15
**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 | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 19:49 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

## Client Sample ID: MW-18
**Date Collected: 11/13/21 15:45**
**Date Received: 11/16/21 09:10**

## Lab Sample ID: 400-211288-16
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 5 mL | 5 mL | 556403 | 11/18/21 20:15 | CAR | TAL PEN |
| | Instrument ID: CH_TAN | | | | | | | | | |

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

# Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-211288-1
Project/Site: James F Bell #1E

## Laboratory: Eurofins TestAmerica, Pensacola

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alabama | State | 40150 | 06-30-22 |
| ANAB | ISO/IEC 17025 | L2471 | 02-23-23 |
| Arizona | State | AZ0710 | 01-12-22 |
| Arkansas DEQ | State | 88-0689 | 09-01-22 |
| California | State | 2510 | 06-30-22 |
| Florida | NELAP | E81010 | 06-30-22 |
| Georgia | State | E81010(FL) | 06-30-22 |
| Illinois | NELAP | 200041 | 10-09-22 |
| Iowa | State | 367 | 08-01-22 |
| Kansas | NELAP | E-10253 | 11-30-21 |
| Kentucky (UST) | State | 53 | 06-30-22 |
| Kentucky (WW) | State | KY98030 | 12-31-21 |
| Louisiana | NELAP | 30976 | 06-30-22 |
| Louisiana (DW) | State | LA017 | 12-31-21 |
| Maryland | State | 233 | 09-30-22 |
| Massachusetts | State | M-FL094 | 06-30-22 |
| Michigan | State | 9912 | 06-30-22 |
| New Jersey | NELAP | FL006 | 06-30-22 |
| North Carolina (WW/SW) | State | 314 | 12-31-21 |
| Oklahoma | State | 9810 | 08-31-22 |
| Pennsylvania | NELAP | 68-00467 | 01-31-22 |
| Rhode Island | State | LAO00307 | 12-30-21 |
| South Carolina | State | 96026 | 06-30-22 |
| Tennessee | State | TN02907 | 06-30-22 |
| Texas | NELAP | T104704286 | 09-30-22 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-22 |
| USDA | US Federal Programs | P330-21-00056 | 05-17-24 |
| Virginia | NELAP | 460166 | 06-14-22 |
| Washington | State | C915 | 05-15-22 |
| West Virginia DEP | State | 136 | 12-31-21 |

# Method Summary

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

Job ID: 400-211288-1

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

**Protocol References:**

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

**Laboratory References:**

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

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

# Chain of Custody Record

eurofins | Environment Testing America

| Client Information | Sampler: SRC | Lab PM: Edwards, Marty P | Carrier Tracking No(s): | COC No: 400-105799-37674.1 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 913-980-0281 | E-Mail: Marty.Edwards@Eurofinset.com | State of Origin: | Page: Page 1 of 2 |
| Company: Stantec Consulting Services Inc | PWSID: | | | Job #: |
| Address: 11311 Aurora Avenue | Due Date Requested: | | | |
| City: Des Moines | TAT Requested (days): | | | |
| State, Zip: IA, 50322-7904 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 303-291-2239(Tel) | PO #: WD801940 | | | |
| Email: steve.varsa@stantec.com | WO #: | | | |
| Project Name: James F Bell #1E.00 | Project #: 40005479 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

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

Other:

400-211288 COC

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Preservation Code: | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8260C - (MOD) BTEX 8260 | 8260C - (MOD) BTEX 8260 (unpreserved) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAH-06 | | | | | | | | | | | |
| TB-01 | 11/13/21 | 1300 | G | Water | | | | 2 | | 2 | Trip Blank |
| DUP-01 | 11/13/21 | 1445 | G | Water | | | | 3 | | 3 | Blind Dup |
| MW-2 | 11/13/21 | 1358 | G | Water | | | | 3 | | 3 | |
| MW-3 | 11/13/21 | 1408 | G | Water | | | | 3 | | 3 | |
| MW-4 | 11/13/21 | 1414 | G | Water | | | | 3 | | 3 | |
| MW-5 | 11/13/21 | 1345 | G | Water | | | | 3 | | 3 | |
| MW-6 | 11/13/21 | 1430 | G | Water | | | | | 3 | 3 | |
| MW-7 | 11/13/21 | 1439 | G | Water | | | | | 3 | 3 | |
| MW-9 | 11/13/21 | 1446 | G | Water | | | | 3 | | 3 | |
| MW-12 | 11/13/21 | 1454 | G | Water | | | | 3 | | 3 | |
| MW-13 | 11/13/21 | 1505 | G | Water | | | | 3 | | 3 | |

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

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

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

Special Instructions/QC Requirements:

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|
| Relinquished by: Sean N Curry | Date/Time: 11/15/21 0600 | Company: STN | Received by: |
| Relinquished by: | Date/Time: | Company | Received by: |
| Relinquished by: | Date/Time: | Company | Received by: |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.3°C IR8 |
|---|---|---|

| Received by: | Date/Time: | Company |
|---|---|---|
| Received by: | Date/Time: | Company |
| Received by: | Date/Time: 11-16-21 910 | Company ETN |

Ver: 06/08/2021

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

# Chain of Custody Record

eurofins | Environment Testing America

| Client Information | Sampler: SRC | Lab PM: Edwards, Marty P | Carrier Tracking No(s): | COC No: 400-105799-37674.2 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 913-980-0291 | E-Mail: Marty.Edwards@Eurofinset.com | State of Origin: | Page: Page 2 of 2 |
| Company: Stantec Consulting Services Inc | PWSID: | | | Job #: |
| Address: 11311 Aurora Avenue | Due Date Requested: | | | |
| City: Des Moines | TAT Requested (days): | | | |
| State, Zip: IA, 50322-7904 | Compliance Project: Δ Yes Δ No | | | |
| Phone: 303-291-2239(Tel) | PO #: WD801940 | | | |
| Email: steve.varsa@stantec.com | WO #: | | | |
| Project Name: James F Bell #1E.00 | Project #: 40005479 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

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

Other:

SAH-06

| 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/MS | 8260C - (MOD) BTEX 8260 | 8260C - (MOD) BTEX 8260 (unpreserved) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | A | N | | |
| MW-14 | 11/13/21 | 1514 | G | Water | | | 3 | | 3 | |
| MW-15 | 11/13/21 | 1522 | G | Water | | | 3 | | 3 | |
| MW-16 | 11/13/21 | 1531 | G | Water | | | 3 | | 3 | |
| MW-17 | 11/13/21 | 1540 | G | Water | | | 3 | | 3 | |
| MW-18 | 11/13/21 | 1545 | G | Water | | | 3 | | 3 | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |

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

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

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

Special Instructions/QC Requirements:

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

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| Sam Nelson | 11/15/21 0600 | STN | | | |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: 11-16-21 910 | Company ETM |

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021



11/29/2021

# Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-211288-1

**Login Number: 211288** **List Source: Eurofins TestAmerica, Pensacola**
**List Number: 1**
**Creator: Whitley, Adrian**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.3°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 | |

**District I**
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
**District II**
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
**District III**
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 94378

## CONDITIONS

| Operator: | OGRID: |
|---|---|
| El Paso Natural Gas Company, L.L.C<br>1001 Louisiana Street<br>Houston, TX 77002 | 7046 |
| | Action Number:<br>94378 |
| | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| nvelez | 1. Continue groundwater monitoring events on a semi-annual basis. 2. Continue collecting groundwater samples from key monitoring wells not containing LNAPL on a semi-annual basis. 3. Continue quarterly site visits at the Site in 2022 to facilitate removal of measurable LNAPL where it is present. 4. Submit the Annual Monitoring Report to the OCD no later than March 31, 2023. | 9/21/2022 |