2023 ANNUAL GROUNDWATER REPORT

Johnston Fed #6A
Incident Number: nAUTOfAB000309
Meter Code: 89232
T31N, R9W, Sec35, Unit F

SITE DETAILS

Site Location: Latitude: 36.856422 N, Longitude: -107.753819 W
Land Type: Federal
Operator: Hilcorp Energy

SITE BACKGROUND

Environmental remediation activities at Johnston Fed #6A (Site) are managed pursuant to the procedures set forth in the document entitled, "*Remediation Plan for Groundwater Encountered During Pit Closure Activities*" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company (EPCGP's) program methods. Currently, the Site is operated by Hilcorp Energy and is active.

The Site is located on Federal land. An initial site assessment was completed in August 1994, and an excavation of 80 cubic yards (cy), to a depth of approximately 12 feet below ground surface (bgs), was completed in September 1994. Monitoring wells were installed in 1994 (MW-1 through MW-4), 1997 (temporary monitoring wells PZ-01 through PZ-07), 2000 (MW-5), 2006 (MW-6), and 2015 (MW-7 through MW-9). In 2019 monitoring wells MW-10 and MW-11 were installed to confirm groundwater delineation. In 2022 MW-1 was removed, drilled deeper, and a replacement monitoring well (MW-1R) was installed. A detailed Site history is presented in Appendix A.

The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring well and current and historical features is provided as Figure 2. Historically, light non-aqueous phase liquid (LNAPL) has periodically been encountered at MW-1, MW-2, and MW-3 and recovery has been periodically conducted since 1997. Mobile dual-phase extraction (MDPE) events to enhance hydrocarbon recovery were conducted in November 2016, September 2017, and August 2021. Quarterly manual LNAPL recovery began in the second quarter of 2020. Quarterly LNAPL inspections have continued through 2023. Currently, groundwater sampling is conducted on a quarterly basis.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on March 22, 2023, May 12, 2023, August 16, 2023 and November 2, 2023, prior to initiating groundwater sampling activities at the Site. Copies of the 2023 NMOCD notifications are provided in Appendix B. On March 28, 2023, May 19, 2023, August 30, 2023, and November 11, 2023, water levels were gauged at MW-1R, and MW-2 through MW-11. Groundwater samples were collected from MW-1R, and MW-2 through MW-11 during each of these events.

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

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC (Eurofins), in

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Pensacola, Florida, where they were analyzed for the presence of benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to United States Environmental Protection Agency (EPA) Method 8260. One laboratory supplied trip blank and one blind field duplicate sample were also collected during each groundwater sampling event.

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

LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities in the second calendar quarter of 2020 and continued with quarterly site visits in 2023 to measure and recover LNAPL, if present. During the quarterly groundwater sampling site visits conducted in March, May, August, and November 2023, no LNAPL was present. LNAPL has not been observed at the site since August 19, 2020 (MW-1).

SUMMARY TABLES

Historic groundwater analytical results and well gauging data are summarized in Tables 1 and 2, respectively.

SITE MAPS

Groundwater analytical maps (Figures 3, 5, 7, and 9) and groundwater elevation contour maps (Figures 4, 6, 8, and 10) summarize results of the 2023 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the north-northeast during 2023 (see Figures 4, 6, 8, and 10).
- Concentrations of benzene were either not detected or were below the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for groundwater in the Site monitoring wells sampled in 2023.
- Concentrations of toluene were either not detected or were below the NMWQCC standard (750 µg/L) for toluene in the Site monitoring wells sampled in 2023.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in the Site monitoring wells sampled in 2023.
- The groundwater sample collected from MW-1R in August 2023 exceeded the NMWQCC standard (620 µg/L) for total xylenes in groundwater. Concentrations of total xylenes were either below the NMWQCC standard or not detected in the remaining Site monitoring wells sampled in 2023.

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- A field duplicate was collected from MW-1R for the March 2023 event, from MW-3 for the May 2023 event, MW-8 for the August 2023 event, and from MW-4 for the November 2023 event. There were no significant differences between the primary sample and duplicate sample pairs during the 2023 groundwater sampling events.

- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2023 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

The groundwater sampling results from the March, May, and November 2023 sampling events indicate site-wide concentrations are below applicable New Mexico Water Quality Control Commission (NMWQCC) standards for BTEX constituents. Site-wide groundwater concentrations for BTEX have been reported below applicable NMWQCC standards since November 2021 with the exception of the August 2023 detection of xylenes in MW-1. Therefore, groundwater monitoring events will continue to be conducted on a quarterly basis through 2024 to move the Site towards regulatory closure. Groundwater samples will be collected from monitoring wells and analyzed for BTEX constituents using EPA Method 8260.

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

Review of the 2023 Annual Groundwater Report for Johnston Fed 6A: content satisfactory
1. The site is moving toward abatement closure with constituents almost consistently demonstrating below the WQCC human health standards, except for a hit of xylene in 2023.
2. Continue to conduct groundwater monitoring for the site, until all eight consecutive quarters below WQCC are reached.
3. Continue LNAPL recovery IF present.
4. Submit the 2024 annual report to OCD by April 1, 2025.

TABLES

TABLE 1 – GROUNDWATER ANALYTICAL RESULTS

TABLE 2 – GROUNDWATER ELEVATION RESULTS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	08/10/95	605	1380	74.6	718
MW-1	12/13/95	1330	1610	235	1540
MW-1	04/11/96	775	1070	124	810
MW-1	07/23/96	676	1980	233	2090
MW-1	10/14/96	1790	8350	580	6200
MW-1	01/22/97	6420	19800	934	10700
MW-1	04/11/97	7310	23500	1010	10800
MW-1	06/18/01	NS	NS	NS	NS
MW-1	09/04/01	NS	NS	NS	NS
MW-1	03/04/02	NS	NS	NS	NS
MW-1	06/04/02	NS	NS	NS	NS
MW-1	09/10/02	NS	NS	NS	NS
MW-1	12/12/02	NS	NS	NS	NS
MW-1	03/14/03	NS	NS	NS	NS
MW-1	06/18/03	NS	NS	NS	NS
MW-1	09/16/03	NS	NS	NS	NS
MW-1	12/17/03	NS	NS	NS	NS
MW-1	03/16/04	NS	NS	NS	NS
MW-1	06/22/04	NS	NS	NS	NS
MW-1	09/22/04	NS	NS	NS	NS
MW-1	12/21/04	NS	NS	NS	NS
MW-1	03/23/05	NS	NS	NS	NS
MW-1	06/17/05	NS	NS	NS	NS
MW-1	09/20/05	NS	NS	NS	NS
MW-1	12/14/05	NS	NS	NS	NS
MW-1	03/25/06	NS	NS	NS	NS
MW-1	03/27/06	NS	NS	NS	NS
MW-1	06/06/06	NS	NS	NS	NS
MW-1	09/25/06	NS	NS	NS	NS
MW-1	12/07/06	NS	NS	NS	NS
MW-1	03/28/07	NS	NS	NS	NS
MW-1	06/18/07	NS	NS	NS	NS
MW-1	09/17/07	NS	NS	NS	NS
MW-1	12/17/07	NS	NS	NS	NS
MW-1	03/10/08	NS	NS	NS	NS
MW-1	06/17/08	NS	NS	NS	NS
MW-1	09/10/08	NS	NS	NS	NS
MW-1	12/02/08	NS	NS	NS	NS
MW-1	03/05/09	NS	NS	NS	NS
MW-1	06/02/09	NS	NS	NS	NS

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Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	08/28/09	NS	NS	NS	NS
MW-1	11/04/09	NS	NS	NS	NS
MW-1	02/17/10	NS	NS	NS	NS
MW-1	05/24/10	NS	NS	NS	NS
MW-1	09/24/10	NS	NS	NS	NS
MW-1	11/02/10	NS	NS	NS	NS
MW-1	02/07/11	611	8260	1260	11600
MW-1	05/02/11	NS	NS	NS	NS
MW-1	09/23/11	NS	NS	NS	NS
MW-1	11/01/11	NS	NS	NS	NS
MW-1	02/21/12	577	5510	916	5420
MW-1	05/14/12	NS	NS	NS	NS
MW-1	06/09/13	510	17000	1400	15000
MW-1	09/09/13	NS	NS	NS	NS
MW-1	12/12/13	NS	NS	NS	NS
MW-1	04/02/14	NS	NS	NS	NS
MW-1	10/23/14	NS	NS	NS	NS
MW-1	05/30/15	NS	NS	NS	NS
MW-1	11/19/15	NS	NS	NS	NS
MW-1	04/16/16	NS	NS	NS	NS
MW-1	10/13/16	NS	NS	NS	NS
MW-1	11/29/16	NS	NS	NS	NS
MW-1	07/15/17	NS	NS	NS	NS
MW-1	06/09/17	NS	NS	NS	NS
MW-1	09/23/17	NS	NS	NS	NS
MW-1	11/12/17	27	2800	560	3900
MW-1	05/16/18	27	2600	840	5600
DUP-01(MW-1)*	05/16/18	30	3700	980	8000
MW-1	10/26/18	4.6	32	180	130
DUP-01(MW-1)*	10/26/18	4.5	37	170	140
MW-1	05/22/19	5.4	330	250	910
DUP-01(MW-1)*	05/22/19	<5.0	210	260	700
MW-1	11/12/19	NS	NS	NS	NS
MW-1	05/17/20	NS	NS	NS	NS
MW-1	11/13/20	1.5	200	30	140
DUP-01(MW-1)*	11/13/20	1.3	180	8.6	36
MW-1	03/18/21	NS	NS	NS	NS
MW-1	05/18/21	6.3 J	430	230	1500
MW-1	08/26/21	NS	NS	NS	NS
MW-1	11/15/21	<50	1600	700	5400

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-01(MW-1)*	11/15/21	<50	1700	700	6000
MW-1 replaced with MW-1R on 4/21/2022					
MW-1R	05/20/22	3.6	66	98	570
MW-1R	11/05/22	2.1	14	17	120
MW-1R	03/28/23	<5.0	13	27	580
DUP-01(MW-1R)*	03/28/23	<5.0	14	30	610
MW-1R	05/19/23	1.0	1.1	6.6	33
MW-1R	08/30/23	3.0	50	84	1500
MW-1R	11/11/23	1.1	12	18	280
MW-2	12/13/95	15.1	50.8	<2.5	53.8
MW-2	04/11/96	<1	<1	<1	3.13
MW-2	07/23/96	<1	1.15	<1	4.06
MW-2	10/14/96	<1	1.04	<1	4.85
MW-2	01/22/97	<1	<1	<1	<3
MW-2	04/11/97	<1	<1	<1	<3
MW-2	10/09/00	<0.5	<0.5	<0.5	<0.5
MW-2	06/18/01	<0.5	<0.5	<0.5	<0.5
MW-2	09/04/01	NS	NS	NS	NS
MW-2	06/03/02	<0.5	<0.5	<0.5	<1
MW-2	09/10/02	NS	NS	NS	NS
MW-2	12/12/02	NS	NS	NS	NS
MW-2	03/14/03	NS	NS	NS	NS
MW-2	06/18/03	NS	NS	NS	NS
MW-2	09/16/03	NS	NS	NS	NS
MW-2	12/17/03	NS	NS	NS	NS
MW-2	03/16/04	NS	NS	NS	NS
MW-2	06/22/04	NS	NS	NS	NS
MW-2	09/22/04	NS	NS	NS	NS
MW-2	12/21/04	NS	NS	NS	NS
MW-2	03/23/05	NS	NS	NS	NS
MW-2	06/17/05	NS	NS	NS	NS
MW-2	09/20/05	NS	NS	NS	NS
MW-2	12/14/05	NS	NS	NS	NS
MW-2	03/27/06	NS	NS	NS	NS
MW-2	06/06/06	NS	NS	NS	NS
MW-2	09/25/06	NS	NS	NS	NS
MW-2	12/07/06	NS	NS	NS	NS
MW-2	03/28/07	NS	NS	NS	NS
MW-2	06/18/07	NS	NS	NS	NS
MW-2	09/17/07	NS	NS	NS	NS

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	12/17/07	NS	NS	NS	NS
MW-2	03/10/08	NS	NS	NS	NS
MW-2	06/17/08	NS	NS	NS	NS
MW-2	09/10/08	NS	NS	NS	NS
MW-2	12/02/08	NS	NS	NS	NS
MW-2	03/05/09	NS	NS	NS	NS
MW-2	06/02/09	NS	NS	NS	NS
MW-2	08/28/09	NS	NS	NS	NS
MW-2	11/04/09	NS	NS	NS	NS
MW-2	02/17/10	NS	NS	NS	NS
MW-2	05/24/10	NS	NS	NS	NS
MW-2	09/24/10	NS	NS	NS	NS
MW-2	11/02/10	NS	NS	NS	NS
MW-2	02/07/11	NS	NS	NS	NS
MW-2	05/02/11	NS	NS	NS	NS
MW-2	09/23/11	NS	NS	NS	NS
MW-2	11/01/11	NS	NS	NS	NS
MW-2	02/21/12	NS	NS	NS	NS
MW-2	05/14/12	NS	NS	NS	NS
MW-2	06/09/13	<0.14	<0.30	<0.20	<0.23
MW-2	09/09/13	<0.14	<0.30	<0.20	<0.23
MW-2	12/12/13	<0.20	<0.38	<0.20	<0.65
MW-2	04/02/14	<0.20	<0.38	<0.20	<0.65
MW-2	10/23/14	<0.38	<0.70	<0.50	<1.6
MW-2	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-2	11/19/15	<1.0	<1.0	<1.0	<3.0
MW-2	04/16/16	NS	NS	NS	NS
MW-2	10/13/16	NS	NS	NS	NS
MW-2	06/09/17	NS	NS	NS	NS
MW-2	11/12/17	<1.0	<1.0	<1.0	<10
MW-2	05/16/18	NS	NS	NS	NS
MW-2	10/26/18	NS	NS	NS	NS
MW-2	05/22/19	NS	NS	NS	NS
MW-2	11/12/19	NS	NS	NS	NS
MW-2	05/17/20	<1.0	<1.0	<1.0	<10
DUP-01(MW-2)*	05/17/20	<1.0	<1.0	<1.0	<10
MW-2	11/13/20	NS	NS	NS	NS
MW-2	05/18/21	NS	NS	NS	NS
MW-2	08/26/21	NS	NS	NS	NS
MW-2	11/15/21	<1.0	<1.0	<1.0	<10

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Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	05/20/22	NS	NS	NS	NS
MW-2	11/05/22	<1.0	<1.0	<1.0	<10
MW-2	03/28/23	<1.0	<1.0	<1.0	<10
MW-2	05/19/23	<1.0	<1.0	<1.0	<10
MW-2	08/30/23	<1.0	<1.0	<1.0	<10
MW-2	11/11/23	<1.0	<1.0	<1.0	<10
MW-3	12/13/95	488	1020	104	1120
MW-3	04/11/96	772	231	113	379
MW-3	07/25/96	687	112	115	209
MW-3	10/14/96	900	240	140	340
MW-3	01/22/97	907	234	215	340
MW-3	04/11/97	944	209	223	322
MW-3	06/18/01	510	23	160	98
MW-3	09/04/01	NS	NS	NS	NS
MW-3	06/03/02	380	<5	110	29
MW-3	12/12/02	NS	NS	NS	NS
MW-3	03/14/03	NS	NS	NS	NS
MW-3	06/18/03	NS	NS	NS	NS
MW-3	09/16/03	NS	NS	NS	NS
MW-3	12/17/03	NS	NS	NS	NS
MW-3	03/16/04	NS	NS	NS	NS
MW-3	06/22/04	NS	NS	NS	NS
MW-3	09/22/04	NS	NS	NS	NS
MW-3	12/21/04	NS	NS	NS	NS
MW-3	03/23/05	NS	NS	NS	NS
MW-3	06/17/05	NS	NS	NS	NS
MW-3	09/20/05	NS	NS	NS	NS
MW-3	12/14/05	NS	NS	NS	NS
MW-3	03/25/06	NS	NS	NS	NS
MW-3	03/27/06	NS	NS	NS	NS
MW-3	06/06/06	NS	NS	NS	NS
MW-3	09/25/06	NS	NS	NS	NS
MW-3	12/07/06	NS	NS	NS	NS
MW-3	03/28/07	NS	NS	NS	NS
MW-3	06/18/07	NS	NS	NS	NS
MW-3	09/17/07	NS	NS	NS	NS
MW-3	12/17/07	NS	NS	NS	NS
MW-3	03/10/08	NS	NS	NS	NS
MW-3	06/17/08	NS	NS	NS	NS
MW-3	09/10/08	NS	NS	NS	NS

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	12/02/08	NS	NS	NS	NS
MW-3	03/05/09	1.2	17.9	9.4	59
MW-3	06/02/09	NS	NS	NS	NS
MW-3	08/28/09	NS	NS	NS	NS
MW-3	11/04/09	NS	NS	NS	NS
MW-3	02/17/10	3.2	4.5	3.4	25.9
MW-3	05/24/10	NS	NS	NS	NS
MW-3	09/24/10	NS	NS	NS	NS
MW-3	11/02/10	NS	NS	NS	NS
MW-3	02/07/11	8.6	1.3	6	13.1
MW-3	05/02/11	NS	NS	NS	NS
MW-3	09/23/11	NS	NS	NS	NS
MW-3	11/01/11	NS	NS	NS	NS
MW-3	02/21/12	4.7	7.6	23.1	19.1
MW-3	05/14/12	NS	NS	NS	NS
MW-3	06/09/13	<0.14	0.71 J	49	12
MW-3	09/09/13	0.78 J	0.48 J	30	2.2 J
MW-3	12/12/13	<0.20	51	23	5.4
MW-3	04/02/14	3.5	57	19	8.7
MW-3	10/23/14	<0.38	<0.70	6.2	<1.6
MW-3	05/30/15	<1.0	<5.0	4.6	17
MW-3	11/19/15	<1.0	2.5	2.1	<3.0
MW-3	04/16/16	<1.0	52	1.9	<5.0
MW-3	10/13/16	<1.0	61	1.9	<5.0
MW-3	06/09/17	<1.0	<5.0	1.6	25
MW-3	11/12/17	<1.0	<1.0	<1.0	<10
MW-3	05/16/18	<1.0	<1.0	1.2	<10
MW-3	10/26/18	<1.0	<1.0	<1.0	<10
MW-3	05/22/19	<1.0	<1.0	<1.0	<10
MW-3	11/12/19	<1.0	<1.0	<1.0	<2.0
DUP-01(MW-3)*	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-3	05/17/20	<1.0	<1.0	<1.0	<10
MW-3	11/13/20	<1.0	<1.0	<1.0	<10
MW-3	05/18/21	<1.0	<1.0	<1.0	<10
MW-3	08/26/21	NS	NS	NS	NS
MW-3	11/15/21	<1.0	<1.0	<1.0	<10
MW-3	05/20/22	<1.0	<1.0	<1.0	<10
MW-3	11/05/22	<1.0	<1.0	<1.0	<10
MW-3	03/28/23	<1.0	<1.0	<1.0	<10
MW-3	05/19/23	<1.0	<1.0	<1.0	<10

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Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-01(MW-3)*	05/19/23	<1.0	<1.0	<1.0	<10
MW-3	08/30/23	<1.0	<1.0	<1.0	<10
MW-3	11/11/23	<1.0	<1.0	<1.0	<10
MW-4	12/13/95	545	121	114	177
MW-4	04/11/96	591	160	133	193
MW-4	07/25/96	793	96.4	172	174
MW-4	10/14/96	800	100	130	235
MW-4	01/22/97	899	26.7	157	186
MW-4	04/11/97	703	20.1	149	138
MW-4	10/09/00	81	36	45	20
MW-4	06/18/01	490	70	91	96
MW-4	09/04/01	NS	NS	NS	NS
MW-4	06/03/02	16	<5	17	2.2
MW-4	09/10/02	NS	NS	NS	NS
MW-4	12/12/02	NS	NS	NS	NS
MW-4	03/14/03	NS	NS	NS	NS
MW-4	06/18/03	<1	<1	1.7	<3
MW-4	09/16/03	NS	NS	NS	NS
MW-4	12/17/03	NS	NS	NS	NS
MW-4	03/16/04	NS	NS	NS	NS
MW-4	06/22/04	0.56 J	1.1	2.8	<1
MW-4	09/22/04	NS	NS	NS	NS
MW-4	12/21/04	NS	NS	NS	NS
MW-4	03/23/05	<1	<1	<1	0.99
MW-4	06/17/05	NS	NS	NS	NS
MW-4	09/20/05	NS	NS	NS	NS
MW-4	12/14/05	NS	NS	NS	NS
MW-4	03/27/06	0.39 J	<1	<1	0.83 J
MW-4	06/06/06	NS	NS	NS	NS
MW-4	09/25/06	NS	NS	NS	NS
MW-4	12/07/06	NS	NS	NS	NS
MW-4	03/28/07	0.39 J	0.6 J	<1	1.7 J
MW-4	06/18/07	NS	NS	NS	NS
MW-4	09/17/07	NS	NS	NS	NS
MW-4	12/17/07	NS	NS	NS	NS
MW-4	03/10/08	0.25 J	<1	<1	<2
MW-4	06/17/08	NS	NS	NS	NS
MW-4	09/10/08	NS	NS	NS	NS
MW-4	12/02/08	NS	NS	NS	NS
MW-4	03/05/09	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	06/02/09	NS	NS	NS	NS
MW-4	08/28/09	NS	NS	NS	NS
MW-4	11/04/09	NS	NS	NS	NS
MW-4	02/17/10	NS	NS	NS	NS
MW-4	05/24/10	NS	NS	NS	NS
MW-4	09/24/10	NS	NS	NS	NS
MW-4	11/02/10	NS	NS	NS	NS
MW-4	02/07/11	NS	NS	NS	NS
MW-4	05/02/11	NS	NS	NS	NS
MW-4	09/23/11	NS	NS	NS	NS
MW-4	11/01/11	NS	NS	NS	NS
MW-4	02/21/12	NS	NS	NS	NS
MW-4	05/14/12	NS	NS	NS	NS
MW-4	06/09/13	<0.14	<0.30	<0.20	<0.23
MW-4	09/09/13	<0.14	<0.30	<0.20	<0.23
MW-4	12/12/13	<0.20	0.51 J	<0.20	<0.65
MW-4	04/02/14	<0.20	1.2 J	<0.20	<0.65
MW-4	10/23/14	<0.38	<0.70	<0.50	<1.6
MW-4	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-4	11/19/15	<1.0	<1.0	<1.0	<3.0
MW-4	04/16/16	NS	NS	NS	NS
MW-4	10/13/16	NS	NS	NS	NS
MW-4	06/09/17	NS	NS	NS	NS
MW-4	11/12/17	<1.0	<1.0	<1.0	<10
MW-4	05/16/18	NS	NS	NS	NS
MW-4	10/26/18	NS	NS	NS	NS
MW-4	05/22/19	NS	NS	NS	NS
MW-4	11/12/19	NS	NS	NS	NS
MW-4	05/17/20	<1.0	<1.0	<1.0	<10
MW-4	11/13/20	<1.0	<1.0	<1.0	<10
MW-4	05/18/21	<1.0	<1.0	<1.0	<10
DUP-01(MW-4)*	05/18/21	<1.0	<1.0	<1.0	<10
MW-4	08/26/21	NS	NS	NS	NS
MW-4	11/15/21	<1.0	<1.0	<1.0	<10
MW-4	05/20/22	<1.0	<1.0	<1.0	<10
DUP-01(MW-4)*	05/20/22	<1.0	<1.0	<1.0	<10
MW-4	11/05/22	<1.0	<1.0	<1.0	<10
DUP-01(MW-4)*	11/05/22	<1.0	<1.0	<1.0	<10
MW-4	03/28/23	<1.0	<1.0	<1.0	<10
MW-4	05/19/23	<1.0	<1.0	<1.0	<10

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	08/30/23	<1.0	<1.0	<1.0	<10
MW-4	11/11/23	<1.0	<1.0	<1.0	<10
MW-5	08/30/00	130	180	56	650
MW-5	06/18/01	170	300	68	630
MW-5	09/04/01	NS	NS	NS	NS
MW-5	06/04/02	43	87	31	360
MW-5	09/10/02	NS	NS	NS	NS
MW-5	12/12/02	NS	NS	NS	NS
MW-5	03/14/03	NS	NS	NS	NS
MW-5	06/18/03	NS	NS	NS	NS
MW-5	09/16/03	NS	NS	NS	NS
MW-5	12/17/03	NS	NS	NS	NS
MW-5	03/16/04	NS	NS	NS	NS
MW-5	06/22/04	NS	NS	NS	NS
MW-5	09/22/04	NS	NS	NS	NS
MW-5	12/21/04	NS	NS	NS	NS
MW-5	03/23/05	NS	NS	NS	NS
MW-5	06/17/05	NS	NS	NS	NS
MW-5	09/20/05	NS	NS	NS	NS
MW-5	12/14/05	NS	NS	NS	NS
MW-5	03/27/06	NS	NS	NS	NS
MW-5	06/06/06	NS	NS	NS	NS
MW-5	09/25/06	NS	NS	NS	NS
MW-5	12/07/06	NS	NS	NS	NS
MW-5	03/28/07	NS	NS	NS	NS
MW-5	06/18/07	NS	NS	NS	NS
MW-5	09/17/07	NS	NS	NS	NS
MW-5	12/17/07	NS	NS	NS	NS
MW-5	03/10/08	NS	NS	NS	NS
MW-5	06/17/08	NS	NS	NS	NS
MW-5	09/10/08	NS	NS	NS	NS
MW-5	12/02/08	NS	NS	NS	NS
MW-5	03/05/09	1.9	9.8	44	120
MW-5	06/02/09	NS	NS	NS	NS
MW-5	08/28/09	NS	NS	NS	NS
MW-5	11/04/09	NS	NS	NS	NS
MW-5	02/17/10	1.7	2.6	2.7	19.2
MW-5	05/24/10	NS	NS	NS	NS
MW-5	09/24/10	NS	NS	NS	NS
MW-5	11/02/10	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	02/07/11	11.9	920	177	1870
MW-5	05/02/11	NS	NS	NS	NS
MW-5	09/23/11	NS	NS	NS	NS
MW-5	11/01/11	NS	NS	NS	NS
MW-5	02/21/12	2.7	1.7	5.2	85.5
MW-5	05/14/12	NS	NS	NS	NS
MW-5	06/09/13	<0.14	<0.30	0.31 J	0.79 J
MW-5	09/09/13	<0.14	<0.30	<0.20	<0.23
MW-5	12/12/13	<0.20	<0.38	<0.20	<0.65
MW-5	04/02/14	<0.20	<0.38	<0.20	<0.65
MW-5	10/23/14	<0.38	0.96 J	<0.50	1.9 J
MW-5	05/30/15	<1.0	<5.0	<1.0	2.1 J
MW-5	11/19/15	<1.0	<1.0	<1.0	<3.0
MW-5	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-5	10/13/16	<1.0	<5.0	<1.0	<5.0
MW-5	06/09/17	<1.0	<5.0	<1.0	<5.0
MW-5	11/12/17	<1.0	<1.0	<1.0	<10
MW-5	05/16/18	<1.0	<1.0	<1.0	<10
MW-5	10/26/18	<1.0	<1.0	<1.0	<10
MW-5	05/22/19	<1.0	<1.0	<1.0	<10
MW-5	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-5	05/17/20	<1.0	<1.0	<1.0	<10
MW-5	11/13/20	<1.0	<1.0	<1.0	<10
MW-5	05/18/21	<1.0	<1.0	<1.0	<10
MW-5	08/26/21	NS	NS	NS	NS
MW-5	11/15/21	<1.0	<1.0	<1.0	<10
MW-5	05/20/22	<1.0	<1.0	<1.0	<10
MW-5	11/05/22	<1.0	<1.0	<1.0	<10
MW-5	03/28/23	<1.0	<1.0	<1.0	<10
MW-5	05/19/23	<1.0	<1.0	<1.0	<10
MW-5	08/30/23	<1.0	<1.0	<1.0	<10
MW-5	11/11/23	<1.0	<1.0	<1.0	<10
MW-6	12/07/06	NS	NS	NS	NS
MW-6	03/28/07	<1	<1	<1	<2
MW-6	06/18/07	NS	NS	NS	NS
MW-6	09/17/07	NS	NS	NS	NS
MW-6	12/17/07	NS	NS	NS	NS
MW-6	03/10/08	9.4	<1	0.5 J	139
MW-6	03/05/09	<1	<1	<1	<2
MW-6	06/02/09	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	08/28/09	NS	NS	NS	NS
MW-6	11/04/09	NS	NS	NS	NS
MW-6	05/24/10	NS	NS	NS	NS
MW-6	09/24/10	NS	NS	NS	NS
MW-6	11/02/10	NS	NS	NS	NS
MW-6	02/07/11	<1	<1	<1	<2
MW-6	05/02/11	NS	NS	NS	NS
MW-6	09/23/11	NS	NS	NS	NS
MW-6	11/01/11	NS	NS	NS	NS
MW-6	02/21/12	<1	<1	<1	<2
MW-6	05/14/12	NS	NS	NS	NS
MW-6	06/09/13	<0.14	<0.30	<0.20	<0.23
MW-6	09/09/13	<0.14	<0.30	<0.20	<0.23
MW-6	12/12/13	<0.20	<0.38	<0.20	<0.65
MW-6	10/23/14	<0.38	<0.70	<0.50	<1.6
MW-6	04/02/14	<0.20	<0.38	<0.20	<0.65
MW-6	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-6	11/19/15	<1.0	<1.0	<1.0	<3.0
MW-6	04/16/16	NS	NS	NS	NS
MW-6	10/13/16	NS	NS	NS	NS
MW-6	06/09/17	NS	NS	NS	NS
MW-6	11/12/17	<1.0	<1.0	<1.0	<10
MW-6	05/16/18	NS	NS	NS	NS
MW-6	10/26/18	NS	NS	NS	NS
MW-6	05/22/19	NS	NS	NS	NS
MW-6	11/12/19	NS	NS	NS	NS
MW-6	05/17/20	<1.0	<1.0	<1.0	<10
MW-6	11/13/20	NS	NS	NS	NS
MW-6	05/18/21	NS	NS	NS	NS
MW-6	08/26/21	NS	NS	NS	NS
MW-6	11/15/21	<1.0	<1.0	<1.0	<10
MW-6	05/20/22	NS	NS	NS	NS
MW-6	11/05/22	<1.0	<1.0	<1.0	<10
MW-6	03/28/23	<1.0	<1.0	<1.0	<10
MW-6	05/19/23	<1.0	<1.0	<1.0	<10
MW-6	08/30/23	<1.0	<1.0	<1.0	<10
MW-6	11/11/23	<1.0	<1.0	<1.0	<10
MW-7	11/19/15	<1.0	<1.0	<1.0	<3.0
MW-7	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-7	10/13/16	<1.0	<5.0	<1.0	<5.0

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-7	06/09/17	<1.0	<5.0	<1.0	<5.0
MW-7	11/12/17	<1.0	<1.0	<1.0	<10
MW-7	05/16/18	<1.0	<1.0	<1.0	<10
MW-7	10/26/18	<1.0	<1.0	<1.0	<10
MW-7	05/22/19	<1.0	<1.0	<1.0	<10
MW-7	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-7	05/17/20	<1.0	<1.0	<1.0	<10
MW-7	11/13/20	<1.0	<1.0	<1.0	<10
MW-7	05/18/21	<1.0	<1.0	<1.0	<10
MW-7	08/26/21	NS	NS	NS	NS
MW-7	11/15/21	<1.0	<1.0	<1.0	<10
MW-7	05/20/22	<1.0	<1.0	<1.0	<10
MW-7	11/05/22	<1.0	<1.0	<1.0	<10
MW-7	03/28/23	<1.0	<1.0	<1.0	<10
MW-7	05/19/23	<1.0	<1.0	<1.0	<10
MW-7	08/30/23	<1.0	<1.0	<1.0	<10
MW-7	11/11/23	<1.0	<1.0	<1.0	<10
MW-8	11/19/15	<1.0	<1.0	<1.0	<3.0
MW-8	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-8	10/13/16	<1.0	<5.0	<1.0	<5.0
MW-8	06/09/17	<1.0	<5.0	<1.0	<5.0
MW-8	11/12/17	<1.0	<1.0	<1.0	<10
MW-8	05/16/18	<1.0	<1.0	<1.0	<10
MW-8	10/26/18	<1.0	<1.0	<1.0	<10
MW-8	05/22/19	<1.0	<1.0	<1.0	<10
MW-8	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-8	05/17/20	<1.0	<1.0	<1.0	<10
MW-8	11/13/20	<1.0	<1.0	<1.0	<10
MW-8	05/18/21	<1.0	<1.0	<1.0	<10
MW-8	08/26/21	NS	NS	NS	NS
MW-8	11/15/21	<1.0	<1.0	<1.0	<10
MW-8	05/20/22	<1.0	<1.0	<1.0	<10
MW-8	11/05/22	<1.0	<1.0	<1.0	<10
MW-8	03/28/23	<1.0	<1.0	<1.0	<10
MW-8	05/19/23	<1.0	<1.0	<1.0	<10
MW-8	08/30/23	<1.0	<1.0	<1.0	<10
DUP-01(MW-8)*	08/30/23	<1.0	<1.0	<1.0	<10
MW-8	11/11/23	<1.0	<1.0	<1.0	<10
MW-9	11/19/15	<1.0	<1.0	<1.0	<3.0

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-9	10/13/16	<1.0	<5.0	<1.0	<5.0
MW-9	06/09/17	<1.0	<5.0	<1.0	<5.0
MW-9	11/12/17	<1.0	<1.0	<1.0	<10
MW-9	05/16/18	<1.0	<1.0	<1.0	<10
MW-9	10/26/18	<1.0	<1.0	<1.0	<10
MW-9	05/22/19	<1.0	<1.0	<1.0	<10
MW-9	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-9	05/17/20	<1.0	<1.0	<1.0	<10
MW-9	11/13/20	<1.0	<1.0	<1.0	<10
MW-9	05/18/21	<1.0	<1.0	<1.0	<10
MW-9	08/26/21	NS	NS	NS	NS
MW-9	11/15/21	<1.0	<1.0	<1.0	<10
MW-9	05/20/22	<1.0	<1.0	<1.0	<10
MW-9	11/05/22	<1.0	<1.0	<1.0	<10
MW-9	03/28/23	<1.0	<1.0	<1.0	<10
MW-9	05/19/23	<1.0	<1.0	<1.0	<10
MW-9	08/30/23	<1.0	<1.0	<1.0	<10
MW-9	11/11/23	<1.0	<1.0	<1.0	<10
MW-10	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-10	05/17/20	<1.0	<1.0	<1.0	<10
MW-10	11/13/20	NS	NS	NS	NS
MW-10	05/18/21	NS	NS	NS	NS
MW-10	08/26/21	NS	NS	NS	NS
MW-10	11/15/21	<1.0	<1.0	<1.0	<10
MW-10	05/20/22	NS	NS	NS	NS
MW-10	11/05/22	<1.0	<1.0	<1.0	<10
MW-10	03/28/23	<1.0	<1.0	<1.0	<10
MW-10	05/19/23	<1.0	<1.0	<1.0	<10
MW-10	08/30/23	<1.0	<1.0	<1.0	<10
MW-10	11/11/23	<1.0	<1.0	<1.0	<10
MW-11	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-11	05/17/20	<1.0	<1.0	<1.0	<10
MW-11	11/13/20	NS	NS	NS	NS
MW-11	05/18/21	NS	NS	NS	NS
MW-11	08/26/21	NS	NS	NS	NS
MW-11	11/15/21	<1.0	<1.0	<1.0	<10
MW-11	05/20/22	NS	NS	NS	NS
MW-11	11/05/22	<1.0	<1.0	<1.0	<10

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Johnston Fed #6A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-11	03/28/23	<1.0	<1.0	<1.0	<10
MW-11	05/19/23	<1.0	<1.0	<1.0	<10
MW-11	08/30/23	<1.0	<1.0	<1.0	<10
MW-11	11/11/23	<1.0	<1.0	<1.0	<10

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

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	08/10/95	6001.88	NR	37.24		5964.64
MW-1	12/13/95	6001.88	NR	37.35		5964.53
MW-1	04/11/96	6001.88	NR	37.48		5964.40
MW-1	07/23/96	6001.88	NR	37.55		5964.33
MW-1	10/14/96	6001.88	37.07	37.22	0.15	5964.78
MW-1	01/22/97	6001.88	37.43	38.26	0.83	5964.25
MW-1	04/11/97	6001.88	37.20	38.31	1.11	5964.41
MW-1	06/18/01	6001.88	37.34	38.21	0.87	5964.33
MW-1	09/04/01	6001.88	37.54	38.27	0.73	5964.16
MW-1	03/04/02	6001.88	37.74	38.35	0.61	5963.99
MW-1	06/04/02	6001.88	37.81	38.14	0.33	5963.99
MW-1	09/10/02	6001.88	38.00	38.24	0.23	5963.83
MW-1	12/12/02	6001.88	38.01	38.11	0.10	5963.85
MW-1	03/14/03	6001.88	37.95	38.08	0.13	5963.90
MW-1	06/18/03	6001.88	37.88	38.47	0.59	5963.86
MW-1	09/16/03	6001.88	38.17	38.25	0.08	5963.69
MW-1	12/17/03	6001.88	38.13	38.23	0.10	5963.73
MW-1	03/16/04	6001.88	37.90	38.57	0.67	5963.82
MW-1	06/22/04	6001.88	37.90	38.65	0.75	5963.80
MW-1	09/22/04	6001.88	38.21	38.60	0.39	5963.58
MW-1	12/21/04	6001.88	38.20	38.38	0.18	5963.64
MW-1	03/23/05	6001.88	37.95	38.50	0.55	5963.80
MW-1	06/17/05	6001.88	38.13	38.62	0.49	5963.63
MW-1	09/20/05	6001.88	38.40	38.83	0.43	5963.38
MW-1	12/14/05	6001.88	38.31	38.72	0.41	5963.47
MW-1	03/25/06	6001.88	38.15	38.66	0.51	5963.61
MW-1	03/27/06	6001.88	38.05	38.62	0.57	5963.69
MW-1	06/06/06	6001.88	38.29	38.84	0.55	5963.46
MW-1	09/25/06	6001.88	38.51	39.01	0.50	5963.25
MW-1	12/07/06	6001.88	ND	38.33		5963.55
MW-1	03/28/07	6001.88	38.02	38.09	0.07	5963.85
MW-1	06/18/07	6001.88	38.09	38.86	0.77	5963.60
MW-1	09/17/07	6001.88	38.40	39.32	0.92	5963.25
MW-1	12/17/07	6001.88	38.42	39.13	0.71	5963.29
MW-1	03/10/08	6001.88	37.90	38.24	0.34	5963.90
MW-1	06/17/08	6001.88	37.38	37.71	0.33	5964.42
MW-1	09/10/08	6001.88	37.41	37.72	0.31	5964.40
MW-1	12/02/08	6001.88	37.51	37.89	0.38	5964.28
MW-1	03/05/09	6001.88	37.20	37.63	0.43	5964.58

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	06/02/09	6001.88	37.49	37.83	0.34	5964.31
MW-1	08/28/09	6001.88	37.65	37.99	0.34	5964.15
MW-1	11/04/09	6001.88	ND	37.77		5964.11
MW-1	02/17/10	6001.88	37.60	38.11	0.51	5964.16
MW-1	05/24/10	6001.88	37.81	38.27	0.46	5963.96
MW-1	09/24/10	6001.88	38.05	38.46	0.41	5963.73
MW-1	11/02/10	6001.88	38.16	38.55	0.39	5963.63
MW-1	02/07/11	6001.88	37.93	38.37	0.44	5963.84
MW-1	05/02/11	6001.88	ND	38.57		5963.31
MW-1	09/23/11	6001.88	38.32	38.75	0.43	5963.46
MW-1	11/01/11	6001.88	ND	38.80		5963.08
MW-1	02/21/12	6001.88	38.21	38.65	0.44	5963.56
MW-1	05/14/12	6001.88	38.36	38.84	0.48	5963.40
MW-1	06/09/13	6001.88	38.41	39.22	0.81	5963.27
MW-1	09/09/13	6001.88	38.60	39.21	0.61	5963.13
MW-1	12/12/13	6001.88	38.65	39.01	0.36	5963.14
MW-1	04/02/14	6001.88	38.61	38.94	0.33	5963.19
MW-1	10/23/14	6001.88	38.82	39.03	0.21	5963.01
MW-1	05/30/15	6001.88	38.86	39.04	0.18	5962.98
MW-1	11/19/15	6001.88	38.58	38.70	0.12	5963.27
MW-1	04/16/16	6001.88	38.40	38.49	0.09	5963.46
MW-1	10/13/16	6001.88	38.60	38.61	0.01	5963.28
MW-1	11/29/16	6001.88	38.61	38.65	0.04	5963.26
MW-1	06/09/17	6001.88	38.47	38.51	0.04	5963.40
MW-1	07/15/17	6001.88	38.54	38.58	0.04	5963.33
MW-1	09/23/17	6001.88	ND	38.62		5963.26
MW-1	11/12/17	6001.88	ND	38.69		5963.19
MW-1	05/16/18	6001.88	ND	38.68		5963.20
MW-1	10/26/18	6001.88	ND	38.87		5963.01
MW-1	05/22/19	6001.88	ND	38.90		5962.98
MW-1	11/12/19	6001.88	39.01	39.02	0.01	5962.87
MW-1	05/17/20	6001.88	39.01	39.02	0.01	5962.87
MW-1	08/19/20	6001.88	39.08	39.08	0.01	5962.81
MW-1	11/13/20	6001.88	ND	39.10		5962.78
MW-1	03/18/21	6001.88	ND	39.21		5962.67
MW-1	05/18/21	6001.88	ND	39.16		5962.72
MW-1	08/26/21	6001.88	ND	39.23		5962.65
MW-1	08/31/21	6001.88	ND	39.28		5962.60
MW-1	11/15/21	6001.88	ND	39.24		5962.64

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	03/23/22	6001.88	ND	39.25		5962.63
MW-1 replaced with MW-1R on 4/21/2022						
MW-1R	05/20/22	6001.63	ND	38.98		5962.65
MW-1R	07/31/22	6001.63	ND	39.05		5962.58
MW-1R	11/05/22	6001.63	ND	38.75		5962.88
MW-1R	03/28/23	6001.63	ND	38.58		5963.05
MW-1R	05/19/23	6001.63	ND	38.55		5963.08
MW-1R	08/30/23	6001.63	ND	38.59		5963.04
MW-1R	11/11/23	6001.63	ND	38.67		5962.96
MW-2	12/13/95	6001.82	NR	37.39		5964.43
MW-2	04/11/96	6001.82	NR	37.47		5964.35
MW-2	07/23/96	6001.82	NR	37.60		5964.22
MW-2	10/14/96	6001.82	NR	37.70		5964.12
MW-2	01/22/97	6001.82	NR	37.66		5964.16
MW-2	04/11/97	6001.82	NR	37.58		5964.24
MW-2	10/09/00	6001.82	NR	37.56		5964.26
MW-2	06/18/01	6001.82	NR	37.58		5964.24
MW-2	09/04/01	6001.82	NR	37.75		5964.07
MW-2	06/03/02	6001.82	NR	37.88		5963.94
MW-2	09/10/02	6001.82	NR	38.02		5963.80
MW-2	12/12/02	6001.82	NR	38.01		5963.81
MW-2	03/14/03	6001.82	ND	37.97		5963.85
MW-2	06/18/03	6001.82	ND	38.01		5963.81
MW-2	09/16/03	6001.82	ND	38.18		5963.64
MW-2	12/17/03	6001.82	ND	38.13		5963.69
MW-2	03/16/04	6001.82	ND	38.04		5963.78
MW-2	06/22/04	6001.82	ND	38.05		5963.77
MW-2	09/22/04	6001.82	ND	38.26		5963.56
MW-2	12/21/04	6001.82	ND	38.20		5963.62
MW-2	03/23/05	6001.82	ND	38.07		5963.75
MW-2	06/17/05	6001.82	ND	38.07		5963.75
MW-2	09/20/05	6001.82	ND	38.33		5963.49
MW-2	12/14/05	6001.82	ND	38.24		5963.58
MW-2	03/27/06	6001.82	ND	38.16		5963.66
MW-2	06/06/06	6001.82	ND	38.22		5963.60
MW-2	09/25/06	6001.82	ND	38.42		5963.40
MW-2	12/07/06	6001.82	ND	38.35		5963.47
MW-2	03/28/07	6001.82	ND	38.13		5963.69

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	06/18/07	6001.82	ND	38.14		5963.68
MW-2	09/17/07	6001.82	ND	38.35		5963.47
MW-2	12/17/07	6001.82	ND	38.33		5963.49
MW-2	03/10/08	6001.82	ND	37.80		5964.02
MW-2	06/17/08	6001.82	ND	37.41		5964.41
MW-2	09/10/08	6001.82	ND	37.40		5964.42
MW-2	12/02/08	6001.82	ND	37.39		5964.43
MW-2	03/05/09	6001.82	ND	37.38		5964.44
MW-2	06/02/09	6001.82	ND	37.40		5964.42
MW-2	08/28/09	6001.82	ND	37.60		5964.22
MW-2	11/04/09	6001.82	ND	37.73		5964.09
MW-2	02/17/10	6001.82	ND	37.76		5964.06
MW-2	05/24/10	6001.82	ND	37.77		5964.05
MW-2	09/24/10	6001.82	ND	37.97		5963.85
MW-2	11/02/10	6001.82	ND	38.01		5963.81
MW-2	02/07/11	6001.82	ND	38.05		5963.77
MW-2	05/02/11	6001.82	ND	38.09		5963.73
MW-2	09/23/11	6001.82	38.23	38.25	0.02	5963.59
MW-2	11/01/11	6001.82	ND	38.26		5963.56
MW-2	02/21/12	6001.82	ND	38.31		5963.51
MW-2	05/14/12	6001.82	ND	38.36		5963.46
MW-2	06/09/13	6001.82	ND	38.56		5963.26
MW-2	09/09/13	6001.82	ND	38.68		5963.14
MW-2	12/12/13	6001.82	ND	38.67		5963.15
MW-2	04/02/14	6001.82	ND	38.63		5963.19
MW-2	10/23/14	6001.82	ND	38.79		5963.03
MW-2	05/30/15	6001.82	ND	38.82		5963.00
MW-2	11/19/15	6001.82	ND	38.56		5963.26
MW-2	04/16/16	6001.82	ND	38.39		5963.43
MW-2	10/13/16	6001.82	ND	38.58		5963.24
MW-2	06/09/17	6001.82	ND	38.44		5963.38
MW-2	11/12/17	6001.82	ND	38.65		5963.17
MW-2	05/16/18	6001.82	ND	38.83		5962.99
MW-2	10/26/18	6001.82	ND	38.81		5963.01
MW-2	05/22/19	6001.82	ND	38.82		5963.00
MW-2	11/12/19	6001.82	ND	38.95		5962.87
MW-2	05/17/20	6001.82	ND	38.94		5962.88
MW-2	11/13/20	6001.82	ND	39.02		5962.80
MW-2	05/18/21	6001.82	ND	39.05		5962.77

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	08/26/21	6001.82	ND	39.12		5962.70
MW-2	11/15/21	6001.82	ND	39.11		5962.71
MW-2	05/20/22	6001.82	ND	39.07		5962.75
MW-2	11/05/22	6001.82	ND	38.90		5962.92
MW-2	03/28/23	6001.82	ND	38.73		5963.09
MW-2	05/19/23	6001.82	ND	38.70		5963.12
MW-2	08/30/23	6001.82	ND	38.73		5963.09
MW-2	11/11/23	6001.82	ND	38.82		5963.00
MW-3	12/13/95	6001.21	NR	37.11		5964.10
MW-3	04/11/96	6001.21	NR	37.17		5964.04
MW-3	07/25/96	6001.21	NR	37.30		5963.91
MW-3	10/14/96	6001.21	NR	37.40		5963.81
MW-3	01/22/97	6001.21	NR	37.35		5963.86
MW-3	04/11/97	6001.21	NR	37.29		5963.92
MW-3	06/18/01	6001.21	NR	37.26		5963.95
MW-3	09/04/01	6001.21	NR	37.42		5963.79
MW-3	06/03/02	6001.21	NR	37.55		5963.66
MW-3	12/12/02	6001.21	NR	37.70		5963.51
MW-3	03/14/03	6001.21	ND	37.66		5963.55
MW-3	06/18/03	6001.21	37.63	37.87	0.24	5963.52
MW-3	09/16/03	6001.21	37.87	37.89	0.02	5963.34
MW-3	12/17/03	6001.21	ND	37.80		5963.41
MW-3	03/16/04	6001.21	37.72	37.85	0.13	5963.46
MW-3	06/22/04	6001.21	37.72	37.88	0.16	5963.45
MW-3	09/22/04	6001.21	37.96	38.07	0.11	5963.23
MW-3	12/21/04	6001.21	37.93	37.96	0.03	5963.28
MW-3	03/23/05	6001.21	37.80	37.88	0.08	5963.39
MW-3	06/17/05	6001.21	ND	37.92		5963.29
MW-3	09/20/05	6001.21	ND	38.16		5963.05
MW-3	12/14/05	6001.21	ND	38.09		5963.12
MW-3	03/25/06	6001.21	ND	38.09		5963.12
MW-3	03/27/06	6001.21	ND	37.88		5963.33
MW-3	06/06/06	6001.21	ND	37.98		5963.23
MW-3	09/25/06	6001.21	ND	38.16		5963.05
MW-3	12/07/06	6001.21	ND	38.06		5963.15
MW-3	03/28/07	6001.21	ND	37.87		5963.34
MW-3	06/18/07	6001.21	ND	37.86		5963.35
MW-3	09/17/07	6001.21	ND	38.10		5963.11

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	12/17/07	6001.21	ND	38.09		5963.12
MW-3	03/10/08	6001.21	ND	37.80		5963.41
MW-3	06/17/08	6001.21	ND	37.10		5964.11
MW-3	09/10/08	6001.21	ND	37.13		5964.08
MW-3	12/02/08	6001.21	ND	37.14		5964.07
MW-3	03/05/09	6001.21	ND	37.14		5964.07
MW-3	06/02/09	6001.21	ND	37.12		5964.09
MW-3	08/28/09	6001.21	ND	37.40		5963.81
MW-3	11/04/09	6001.21	ND	37.52		5963.69
MW-3	02/17/10	6001.21	ND	37.53		5963.68
MW-3	05/24/10	6001.21	ND	37.53		5963.68
MW-3	09/24/10	6001.21	ND	37.72		5963.49
MW-3	11/02/10	6001.21	ND	37.79		5963.42
MW-3	02/07/11	6001.21	ND	37.83		5963.38
MW-3	05/02/11	6001.21	ND	38.86		5962.35
MW-3	09/23/11	6001.21	ND	38.02		5963.19
MW-3	11/01/11	6001.21	ND	38.06		5963.15
MW-3	02/21/12	6001.21	ND	38.11		5963.10
MW-3	05/14/12	6001.21	ND	38.15		5963.06
MW-3	06/09/13	6001.21	ND	38.32		5962.89
MW-3	09/09/13	6001.21	ND	38.48		5962.73
MW-3	12/12/13	6001.21	ND	38.45		5962.76
MW-3	04/02/14	6001.21	ND	38.42		5962.79
MW-3	10/23/14	6001.21	ND	38.57		5962.64
MW-3	05/30/15	6001.21	ND	38.60		5962.61
MW-3	11/19/15	6001.21	ND	38.31		5962.90
MW-3	04/16/16	6001.21	ND	38.15		5963.06
MW-3	10/13/16	6001.21	ND	38.36		5962.85
MW-3	06/09/17	6001.21	ND	38.23		5962.98
MW-3	11/12/17	6001.21	ND	38.44		5962.77
MW-3	05/16/18	6001.21	ND	38.45		5962.76
MW-3	10/26/18	6001.21	ND	38.63		5962.58
MW-3	05/22/19	6001.21	ND	38.66		5962.55
MW-3	11/12/19	6001.21	ND	38.76		5962.45
MW-3	05/17/20	6001.21	ND	38.78		5962.43
MW-3	11/13/20	6001.21	ND	38.88		5962.33
MW-3	05/18/21	6001.21	ND	38.93		5962.28
MW-3	08/26/21	6001.21	ND	39.01		5962.20
MW-3	11/15/21	6001.21	ND	39.01		5962.20

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	05/20/22	6001.21	ND	39.00		5962.21
MW-3	11/05/22	6001.21	ND	38.75		5962.46
MW-3	03/28/23	6001.21	ND	38.58		5962.63
MW-3	05/19/23	6001.21	ND	38.55		5962.66
MW-3	08/30/23	6001.21	ND	38.60		5962.61
MW-3	11/11/23	6001.21	ND	38.69		5962.52
MW-4	12/13/95	6001.26	NR	37.34		5963.92
MW-4	04/11/96	6001.26	NR	37.42		5963.84
MW-4	07/25/96	6001.26	NR	37.54		5963.72
MW-4	10/14/96	6001.26	NR	37.64		5963.62
MW-4	01/22/97	6001.26	NR	37.60		5963.66
MW-4	04/11/97	6001.26	NR	37.47		5963.79
MW-4	10/09/00	6001.26	NR	37.56		5963.70
MW-4	06/18/01	6001.26	NR	37.53		5963.73
MW-4	09/04/01	6001.26	NR	37.66		5963.60
MW-4	06/03/02	6001.26	NR	37.80		5963.46
MW-4	09/10/02	6001.26	NR	37.95		5963.32
MW-4	12/12/02	6001.26	NR	38.95		5962.31
MW-4	03/14/03	6001.26	ND	37.91		5963.36
MW-4	06/18/03	6001.26	ND	37.95		5963.31
MW-4	09/16/03	6001.26	ND	38.17		5963.09
MW-4	12/17/03	6001.26	ND	38.06		5963.20
MW-4	03/16/04	6001.26	ND	38.00		5963.26
MW-4	06/22/04	6001.26	ND	38.04		5963.22
MW-4	09/22/04	6001.26	ND	38.27		5962.99
MW-4	12/21/04	6001.26	ND	38.23		5963.03
MW-4	03/23/05	6001.26	ND	38.11		5963.15
MW-4	06/17/05	6001.26	ND	38.08		5963.18
MW-4	09/20/05	6001.26	ND	38.35		5962.91
MW-4	12/14/05	6001.26	ND	38.24		5963.02
MW-4	03/27/06	6001.26	ND	38.16		5963.10
MW-4	06/06/06	6001.26	ND	38.24		5963.02
MW-4	09/25/06	6001.26	ND	38.45		5962.81
MW-4	12/07/06	6001.26	ND	38.34		5962.92
MW-4	03/28/07	6001.26	ND	38.16		5963.10
MW-4	06/18/07	6001.26	ND	38.14		5963.12
MW-4	09/17/07	6001.26	ND	38.37		5962.89
MW-4	12/17/07	6001.26	ND	38.36		5962.90

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	03/10/08	6001.26	ND	38.05		5963.21
MW-4	06/17/08	6001.26	ND	37.35		5963.91
MW-4	09/10/08	6001.26	ND	37.43		5963.83
MW-4	12/02/08	6001.26	ND	37.40		5963.86
MW-4	03/05/09	6001.26	ND	37.40		5963.86
MW-4	06/02/09	6001.26	ND	37.43		5963.83
MW-4	08/28/09	6001.26	ND	37.64		5963.62
MW-4	11/04/09	6001.26	ND	37.76		5963.50
MW-4	02/17/10	6001.26	ND	37.80		5963.46
MW-4	05/24/10	6001.26	ND	37.80		5963.46
MW-4	09/24/10	6001.26	ND	38.03		5963.23
MW-4	11/02/10	6001.26	ND	38.05		5963.21
MW-4	02/07/11	6001.26	ND	38.08		5963.18
MW-4	05/02/11	6001.26	ND	38.15		5963.11
MW-4	09/23/11	6001.26	ND	38.30		5962.96
MW-4	11/01/11	6001.26	ND	38.32		5962.94
MW-4	02/21/12	6001.26	ND	38.37		5962.89
MW-4	05/14/12	6001.26	ND	38.40		5962.86
MW-4	06/09/13	6001.26	ND	38.62		5962.64
MW-4	09/09/13	6001.26	ND	38.79		5962.47
MW-4	12/12/13	6001.26	ND	38.77		5962.49
MW-4	04/02/14	6001.26	ND	38.74		5962.52
MW-4	10/23/14	6001.26	ND	38.94		5962.32
MW-4	05/30/15	6001.26	ND	38.61		5962.65
MW-4	11/19/15	6001.26	ND	38.62		5962.64
MW-4	04/16/16	6001.26	ND	38.46		5962.80
MW-4	10/13/16	6001.26	ND	38.67		5962.59
MW-4	06/09/17	6001.26	ND	38.52		5962.74
MW-4	11/12/17	6001.26	ND	38.75		5962.51
MW-4	05/16/18	6001.26	ND	38.77		5962.49
MW-4	10/26/18	6001.26	ND	39.01		5962.25
MW-4	05/22/19	6001.26	ND	39.06		5962.20
MW-4	11/12/19	6001.26	ND	39.20		5962.06
MW-4	05/17/20	6001.26	ND	39.25		5962.01
MW-4	11/13/20	6001.26	ND	39.43		5961.83
MW-4	05/18/21	6001.26	ND	39.52		5961.74
MW-4	08/26/21	6001.26	ND	39.63		5961.63
MW-4	11/15/21	6001.26	ND	39.65		5961.61
MW-4	05/20/22	6001.26	ND	39.66		5961.60

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	11/05/22	6001.26	ND	39.30		5961.96
MW-4	03/28/23	6001.26	ND	39.06		5962.20
MW-4	05/19/23	6001.26	ND	39.00		5962.26
MW-4	08/30/23	6001.26	ND	39.05		5962.21
MW-4	11/11/23	6001.26	ND	39.15		5962.11
MW-5	08/30/00	6001.96	NR	38.11		5963.85
MW-5	06/18/01	6001.96	NR	38.13		5963.83
MW-5	09/04/01	6001.96	NR	38.33		5963.63
MW-5	06/04/02	6001.96	NR	38.51		5963.45
MW-5	09/10/02	6001.96	NR	39.13		5962.84
MW-5	12/12/02	6001.96	NR	38.83		5963.13
MW-5	03/14/03	6001.96	ND	38.70		5963.26
MW-5	06/18/03	6001.96	ND	38.85		5963.11
MW-5	09/16/03	6001.96	ND	38.88		5963.08
MW-5	12/17/03	6001.96	ND	38.75		5963.21
MW-5	03/16/04	6001.96	ND	38.72		5963.24
MW-5	06/22/04	6001.96	ND	38.74		5963.22
MW-5	09/22/04	6001.96	ND	38.74		5963.22
MW-5	12/21/04	6001.96	ND	38.93		5963.03
MW-5	03/23/05	6001.96	ND	38.72		5963.24
MW-5	06/17/05	6001.96	ND	38.72		5963.24
MW-5	09/20/05	6001.96	ND	39.06		5962.90
MW-5	12/14/05	6001.96	ND	38.94		5963.02
MW-5	03/27/06	6001.96	ND	38.86		5963.10
MW-5	06/06/06	6001.96	ND	38.97		5962.99
MW-5	09/25/06	6001.96	ND	37.20		5964.76
MW-5	12/07/06	6001.96	ND	39.07		5962.89
MW-5	03/28/07	6001.96	ND	38.83		5963.13
MW-5	06/18/07	6001.96	ND	38.84		5963.12
MW-5	09/17/07	6001.96	ND	39.09		5962.87
MW-5	12/17/07	6001.96	ND	39.04		5962.92
MW-5	03/10/08	6001.96	ND	38.48		5963.48
MW-5	06/17/08	6001.96	ND	37.83		5964.13
MW-5	09/10/08	6001.96	ND	37.91		5964.05
MW-5	12/02/08	6001.96	ND	37.95		5964.01
MW-5	03/05/09	6001.96	ND	37.93		5964.03
MW-5	06/02/09	6001.96	ND	37.95		5964.01
MW-5	08/28/09	6001.96	ND	38.19		5963.77

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	11/04/09	6001.96	ND	38.32		5963.64
MW-5	02/17/10	6001.96	ND	38.38		5963.58
MW-5	05/24/10	6001.96	ND	38.35		5963.61
MW-5	09/24/10	6001.96	ND	38.61		5963.35
MW-5	11/02/10	6001.96	ND	38.66		5963.30
MW-5	02/07/11	6001.96	ND	38.74		5963.22
MW-5	05/02/11	6001.96	ND	38.81		5963.15
MW-5	09/23/11	6001.96	ND	38.99		5962.97
MW-5	11/01/11	6001.96	ND	39.09		5962.87
MW-5	02/21/12	6001.96	ND	39.09		5962.87
MW-5	05/14/12	6001.96	ND	39.16		5962.80
MW-5	06/09/13	6001.96	ND	39.38		5962.58
MW-5	09/09/13	6001.96	ND	39.56		5962.40
MW-5	12/12/13	6001.96	ND	39.55		5962.41
MW-5	04/02/14	6001.96	ND	39.52		5962.44
MW-5	10/23/14	6001.96	ND	39.71		5962.25
MW-5	05/30/15	6001.96	ND	39.73		5962.23
MW-5	11/19/15	6001.96	ND	39.33		5962.63
MW-5	04/16/16	6001.96	ND	39.19		5962.77
MW-5	10/13/16	6001.96	ND	39.34		5962.62
MW-5	06/09/17	6001.96	ND	39.27		5962.69
MW-5	11/12/17	6001.96	ND	39.52		5962.44
MW-5	05/16/18	6001.96	ND	39.50		5962.46
MW-5	10/26/18	6001.96	ND	39.79		5962.17
MW-5	05/22/19	6001.96	ND	39.83		5962.13
MW-5	11/12/19	6001.96	ND	39.97		5961.99
MW-5	05/17/20	6001.96	ND	40.02		5961.94
MW-5	11/13/20	6001.96	ND	40.18		5961.78
MW-5	05/18/21	6001.96	ND	40.25		5961.71
MW-5	08/26/21	6001.96	ND	40.30		5961.66
MW-5	11/15/21	6001.96	ND	40.33		5961.63
MW-5	05/20/22	6001.96	ND	40.34		5961.62
MW-5	11/05/22	6001.96	ND	39.95		5962.01
MW-5	03/28/23	6001.96	ND	39.76		5962.20
MW-5	05/19/23	6001.96	ND	39.71		5962.25
MW-5	08/30/23	6001.96	ND	39.81		5962.15
MW-5	11/11/23	6001.96	ND	39.92		5962.04

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	12/07/06	6001.33	ND	39.62		5961.71
MW-6	03/28/07	6001.33	ND	39.43		5961.90
MW-6	06/18/07	6001.33	ND	39.43		5961.90
MW-6	09/17/07	6001.33	ND	39.43		5961.90
MW-6	12/17/07	6001.33	ND	38.65		5962.68
MW-6	03/10/08	6001.33	ND	39.21		5962.12
MW-6	03/05/09	6001.33	ND	37.61		5963.72
MW-6	06/02/09	6001.33	ND	37.46		5963.87
MW-6	08/28/09	6001.33	ND	37.89		5963.44
MW-6	11/04/09	6001.33	ND	38.03		5963.30
MW-6	05/24/10	6001.33	ND	38.07		5963.26
MW-6	09/24/10	6001.33	ND	38.30		5963.03
MW-6	11/02/10	6001.33	ND	38.36		5962.97
MW-6	02/07/11	6001.33	ND	38.39		5962.94
MW-6	05/02/11	6001.33	ND	36.42		5964.91
MW-6	09/23/11	6001.33	ND	38.65		5962.68
MW-6	11/01/11	6001.33	ND	38.70		5962.63
MW-6	02/21/12	6001.33	ND	38.75		5962.58
MW-6	05/14/12	6001.33	ND	38.79		5962.54
MW-6	06/09/13	6001.33	ND	39.08		5962.25
MW-6	09/09/13	6001.33	ND	39.28		5962.05
MW-6	12/12/13	6001.33	ND	39.26		5962.07
MW-6	10/23/14	6001.33	ND	39.43		5961.90
MW-6	04/02/14	6001.33	ND	39.24		5962.09
MW-6	05/30/15	6001.33	ND	39.45		5961.88
MW-6	11/19/15	6001.33	ND	39.02		5962.31
MW-6	04/16/16	6001.33	ND	38.92		5962.41
MW-6	10/13/16	6001.33	ND	39.00		5962.33
MW-6	06/09/17	6001.33	ND	39.16		5962.17
MW-6	11/12/17	6001.33	ND	39.23		5962.10
MW-6	05/16/18	6001.33	ND	39.26		5962.07
MW-6	10/26/18	6001.33	ND	39.53		5961.80
MW-6	05/22/19	6001.33	ND	39.58		5961.75
MW-6	11/12/19	6001.33	ND	39.73		5961.60
MW-6	05/17/20	6001.33	ND	39.78		5961.55
MW-6	11/13/20	6001.33	ND	39.96		5961.37
MW-6	05/18/21	6001.33	ND	40.04		5961.29
MW-6	08/26/21	6001.33	ND	40.10		5961.23
MW-6	11/15/21	6001.33	ND	40.14		5961.19

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	03/23/22	6001.33	ND	39.25		5962.08
MW-6	05/20/22	6001.33	ND	40.14		5961.19
MW-6	11/05/22	6001.33	ND	39.70		5961.63
MW-6	03/28/23	6001.33	ND	39.53		5961.80
MW-6	05/19/23	6001.33	ND	39.47		5961.86
MW-6	08/30/23	6001.33	ND	39.57		5961.76
MW-6	11/11/23	6001.33	ND	39.67		5961.66
MW-7	11/19/15	6001.26	ND	37.80		5963.46
MW-7	04/16/16	6001.26	ND	37.63		5963.63
MW-7	10/13/16	6001.26	ND	37.83		5963.43
MW-7	06/09/17	6001.26	ND	37.69		5963.57
MW-7	11/12/17	6001.26	ND	37.90		5963.36
MW-7	05/16/18	6001.26	ND	37.88		5963.38
MW-7	10/26/18	6001.26	ND	38.07		5963.19
MW-7	05/22/19	6001.26	ND	38.08		5963.18
MW-7	11/12/19	6001.26	ND	38.17		5963.09
MW-7	05/17/20	6001.26	ND	38.22		5963.04
MW-7	11/13/20	6001.26	ND	38.29		5962.97
MW-7	05/18/21	6001.26	ND	38.34		5962.92
MW-7	08/26/21	6001.26	ND	38.40		5962.86
MW-7	11/15/21	6001.26	ND	38.42		5962.84
MW-7	05/20/22	6001.26	ND	38.38		5962.88
MW-7	11/05/22	6001.26	ND	38.20		5963.06
MW-7	03/28/23	6001.26	ND	38.02		5963.24
MW-7	05/19/23	6001.26	ND	37.99		5963.27
MW-7	08/30/23	6001.26	ND	38.01		5963.25
MW-7	11/11/23	6001.26	ND	38.09		5963.17
MW-8	11/19/15	6001.06	ND	37.71		5963.35
MW-8	04/16/16	6001.06	ND	37.55		5963.51
MW-8	10/13/16	6001.06	ND	37.81		5963.25
MW-8	06/09/17	6001.06	ND	37.63		5963.43
MW-8	11/12/17	6001.06	ND	37.89		5963.17
MW-8	05/16/18	6001.06	ND	37.88		5963.18
MW-8	10/26/18	6001.06	ND	38.11		5962.95
MW-8	05/22/19	6001.06	ND	38.13		5962.93
MW-8	11/12/19	6001.06	ND	38.25		5962.81
MW-8	05/17/20	6001.06	ND	38.29		5962.77
MW-8	11/13/20	6001.06	ND	38.41		5962.65

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-8	05/18/21	6001.06	ND	38.49		5962.57
MW-8	08/26/21	6001.06	ND	38.56		5962.50
MW-8	11/15/21	6001.06	ND	38.56		5962.50
MW-8	05/20/22	6001.06	ND	38.56		5962.50
MW-8	11/05/22	6001.06	ND	38.23		5962.83
MW-8	03/28/23	6001.06	ND	38.06		5963.00
MW-8	05/19/23	6001.06	ND	38.02		5963.04
MW-8	08/30/23	6001.06	ND	38.09		5962.97
MW-8	11/11/23	6001.06	ND	38.19		5962.87
MW-9	11/19/15	6001.39	ND	38.35		5963.04
MW-9	04/16/16	6001.39	ND	38.20		5963.19
MW-9	10/13/16	6001.39	ND	38.46		5962.93
MW-9	06/09/17	6001.39	ND	38.29		5963.10
MW-9	11/12/17	6001.39	ND	38.54		5962.85
MW-9	05/16/18	6001.39	ND	38.50		5962.89
MW-9	10/26/18	6001.39	ND	38.77		5962.62
MW-9	05/22/19	6001.39	ND	38.81		5962.58
MW-9	11/12/19	6001.39	ND	38.96		5962.43
MW-9	05/17/20	6001.39	ND	38.97		5962.42
MW-9	11/13/20	6001.39	ND	39.11		5962.28
MW-9	05/18/21	6001.39	ND	39.16		5962.23
MW-9	08/26/21	6001.39	ND	39.23		5962.16
MW-9	11/15/21	6001.39	ND	39.24		5962.15
MW-9	05/20/22	6001.39	ND	39.23		5962.16
MW-9	11/05/22	6001.39	ND	38.88		5962.51
MW-9	03/28/23	6001.39	ND	38.70		5962.69
MW-9	05/19/23	6001.39	ND	38.68		5962.71
MW-9	08/30/23	6001.39	ND	38.76		5962.63
MW-9	11/11/23	6001.39	ND	37.86		5963.53
MW-10	11/12/19	6001.39	ND	39.01		5962.38
MW-10	05/17/20	6001.39	ND	39.04		5962.35
MW-10	11/13/20	6001.39	ND	39.20		5962.19
MW-10	05/18/21	6001.39	ND	39.29		5962.10
MW-10	08/26/21	6001.39	ND	39.39		5962.00
MW-10	11/15/21	6001.39	ND	39.42		5961.97
MW-10	05/20/22	6001.39	ND	39.33		5962.06
MW-10	11/05/22	6001.39	ND	38.97		5962.42
MW-10	03/28/23	6001.39	ND	38.85		5962.54

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Johnston Fed #6A						
Location	**Date**	**TOC**	**Depth to LNAPL (ft.)**	**Depth to Water (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
MW-10	05/19/23	6001.39	ND	38.78		5962.61
MW-10	08/30/23	6001.39	ND	38.85		5962.54
MW-10	11/11/23	6001.39	ND	38.94		5962.45
MW-11	11/12/19	5999.84	ND	36.42		5963.42
MW-11	05/17/20	5999.84	ND	36.41		5963.43
MW-11	11/13/20	5999.84	ND	36.45		5963.39
MW-11	05/18/21	5999.84	ND	36.49		5963.35
MW-11	08/26/21	5999.84	ND	36.60		5963.24
MW-11	11/15/21	5999.84	ND	36.57		5963.27
MW-11	05/20/22	5999.84	ND	36.45		5963.39
MW-11	11/05/22	5999.84	ND	36.36		5963.48
MW-11	03/28/23	5999.84	ND	36.24		5963.60
MW-11	05/19/23	5999.84	ND	36.20		5963.64
MW-11	08/30/23	5999.84	ND	36.20		5963.64
MW-11	11/11/23	5999.84	ND	36.29		5963.55

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

FIGURES

FIGURE 1: SITE LOCATION

FIGURE 2: SITE PLAN

FIGURE 3: GROUNDWATER ANALYTICAL RESULTS – MARCH 28, 2023

FIGURE 4: GROUNDWATER ELEVATION MAP – MARCH 28, 2023

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS – MAY 19, 2023

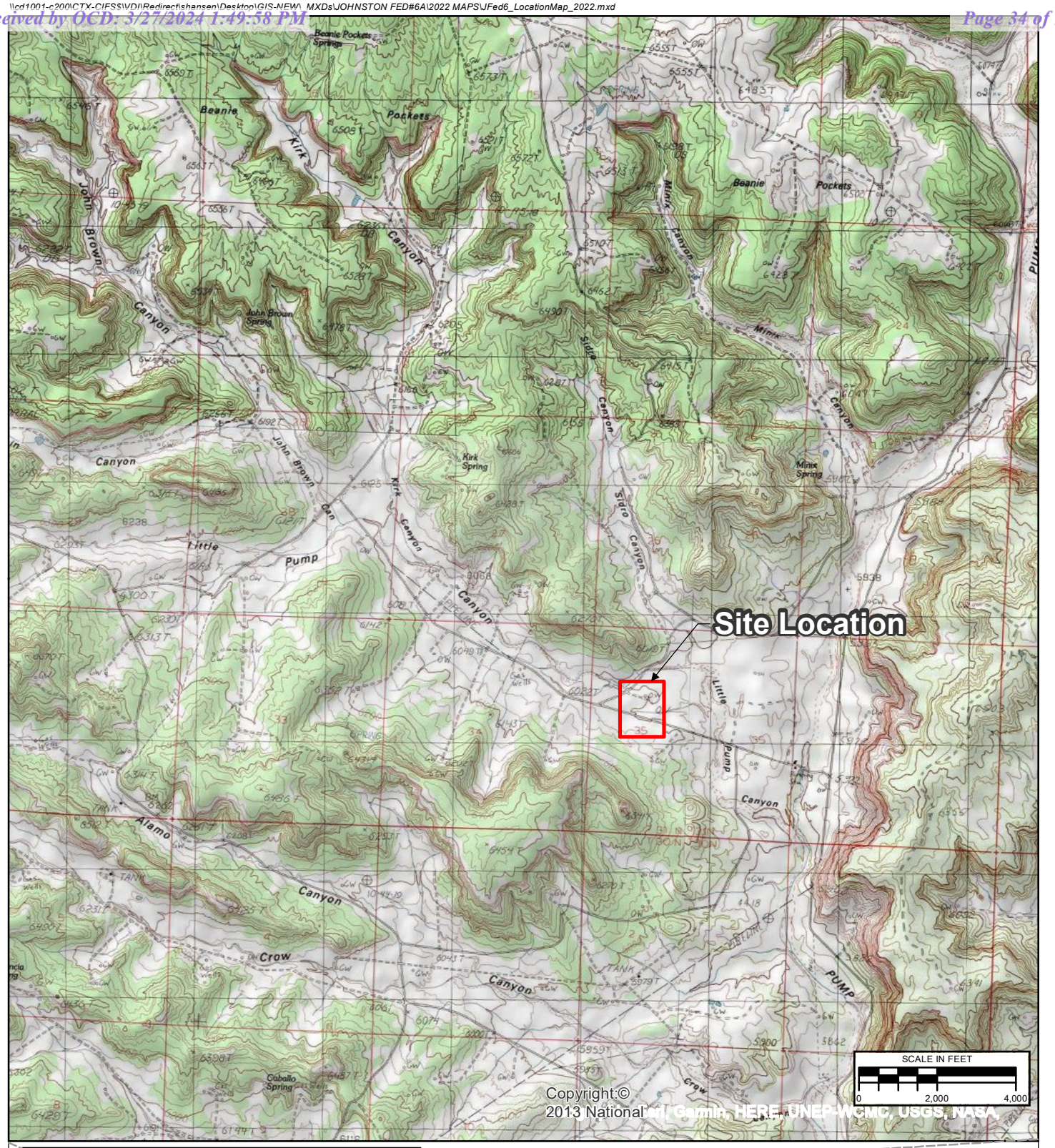
FIGURE 6: GROUNDWATER ELEVATION MAP – MAY 19, 2023

FIGURE 7: GROUNDWATER ANALYTICAL RESULTS – AUGUST 30, 2023

FIGURE 8: GROUNDWATER ELEVATION MAP – AUGUST 30, 2023

FIGURE 9: GROUNDWATER ANALYTICAL RESULTS – NOVEMBER 11, 2023

FIGURE 10: GROUNDWATER ELEVATION MAP – NOVEMBER 11, 2023



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

TITLE
SITE LOCATION

Stantec

PROJECT
JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE
1

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2022 MAPS\JFed6_SITEMAP_2022.mxd

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- RIGHT OF WAY BOUNDARY
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- SOIL BORING
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:
UTILITY LOCATIONS ARE APPROXIMATE.

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-03-06	SAH	SAH	SRV

TITLE:

SITE PLAN

PROJECT:
JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 2

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GARM_1Q_2023.mxd

MW-6
B: <1.0
T: <1.0
E: <1.0
X: <10

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

MW-9
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-4
B: <1.0
T: <1.0
E: <1.0
X: <10

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

MW-1R
B: <5.0
T: 13
E: 27
X: 580

DUP-01
B: <5.0
T: 14
E: 30
X: 610

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

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

MW-7
B: <1.0
T: <1.0
E: <1.0
X: <10

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

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

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE

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
< = BELOW 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 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-02-16	SAH	SAH	SRV

TITLE:

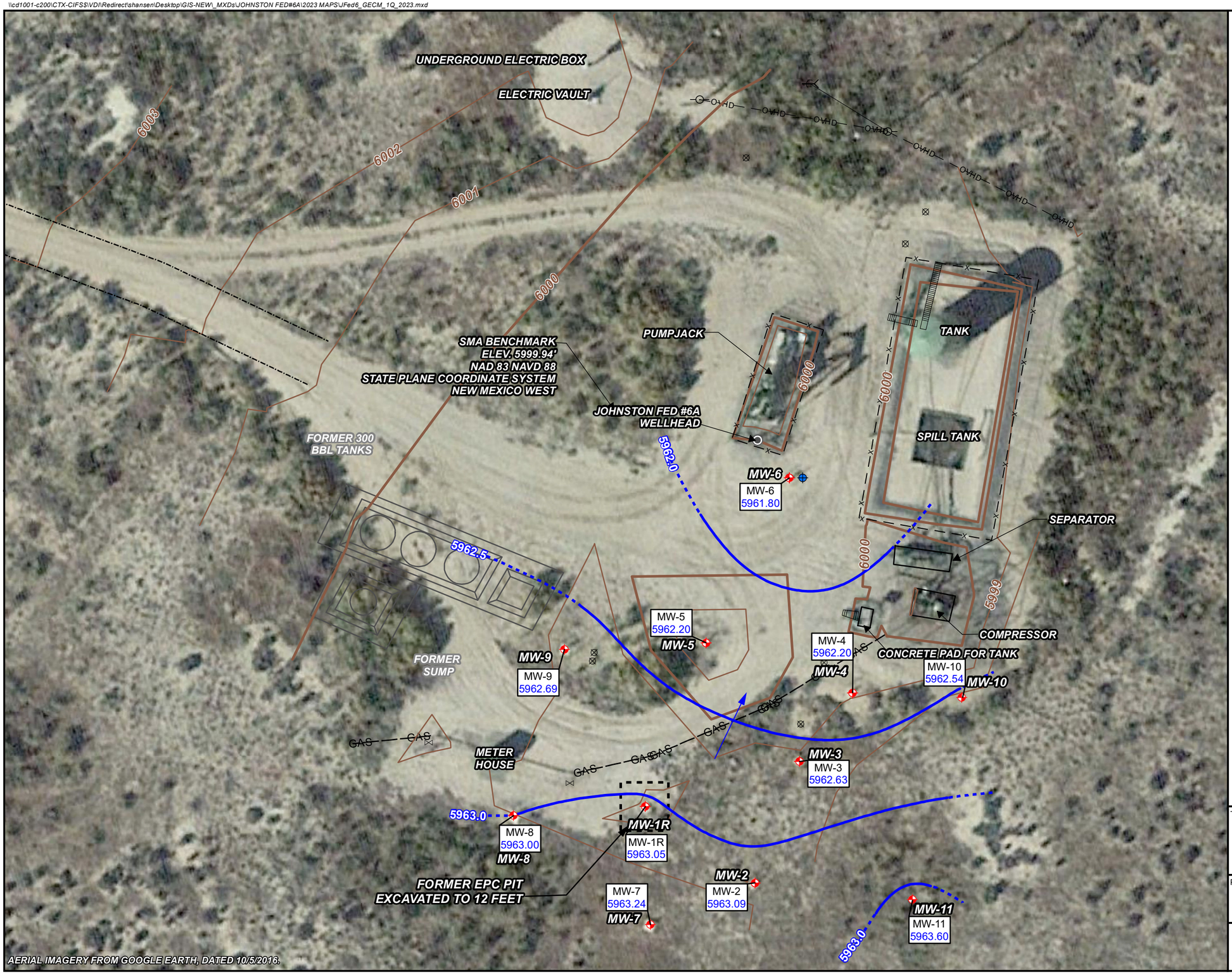
GROUNDWATER ANALYTICAL RESULTS
MARCH 28, 2023

PROJECT:
JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 3

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GECM_1Q_2023.mxd



LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

5962.20 — GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5962.5 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-12-20	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MARCH 28, 2023

PROJECT:

JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GARM_2Q_2023.mxd

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE

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
< = BELOW 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 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-02-16	SAH	SAH	SRV

TITLE:

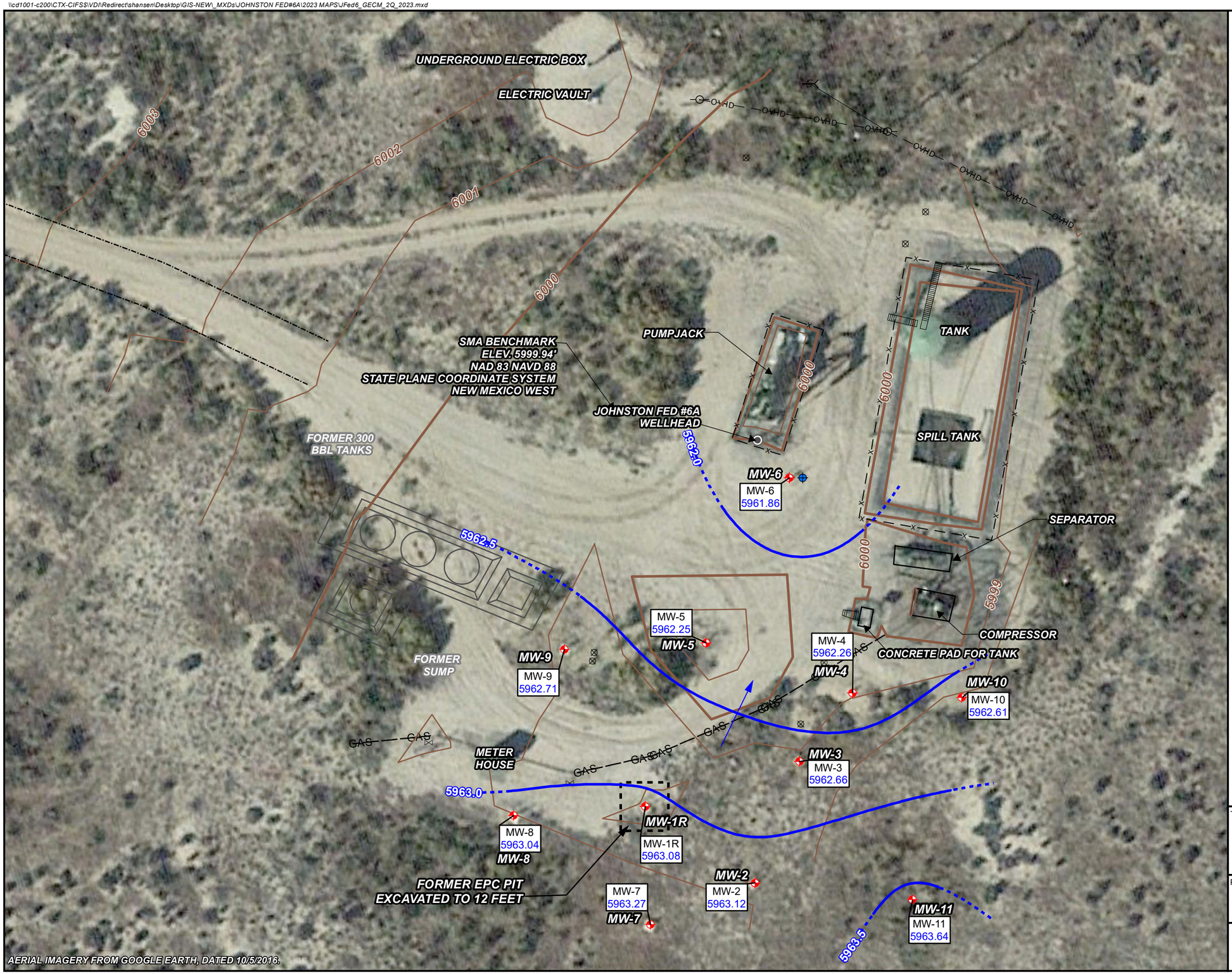
GROUNDWATER ANALYTICAL RESULTS
MAY 19, 2023

PROJECT:
JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 5

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GECM_2Q_2023.mxd



LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

5962.21 GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5962.5 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-12-21	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 19, 2023

PROJECT:

JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GARM_3Q_2023.mxd

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE

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
< = BELOW 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 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-02-16	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
AUGUST 30, 2023

PROJECT:
JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 7

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GECM_3Q_2023.mxd

UNDERGROUND ELECTRIC BOX

ELECTRIC VAULT

6003

6002

6001

6000

OVHD

SMA BENCHMARK
ELEV. 5999.94'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

PUMPJACK

TANK

JOHNSTON FED #6A
WELLHEAD

FORMER 300
BBL TANKS

5962.0

MW-6
MW-6
5961.76

SPILL TANK

SEPARATOR

5962.5

MW-5
5962.15

MW-5

FORMER
SUMP

MW-9
MW-9
5962.63

MW-4
5962.21

MW-4

CONCRETE PAD FOR TANK

COMPRESSOR

5999

MW-10
MW-10
5962.54

GAS

METER
HOUSE

MW-8
5962.97

MW-8

MW-3
MW-3
5962.61

5963.0

MW-1R
MW-1R
5963.04

FORMER EPC PIT
EXCAVATED TO 12 FEET

MW-2
MW-2
5963.09

MW-7
5963.25

MW-7

MW-11
MW-11
5963.64

5963.5

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 10/5/2016.

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

5962.76 — GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5962.5 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-12-21	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
AUGUST 30, 2023

PROJECT:

JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 8

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GARM_4Q_2023.mxd

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

DUP = FIELD DUPLICATE SAMPLE

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
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< = BELOW 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 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-02-16	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 11, 2023

PROJECT:
JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 9

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\JOHNSTON FED#6A\2023 MAPS\JFed6_GECM_4Q_2023.mxd

LEGEND:

- 6002 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- OVHD — OVERHEAD POWER LINE
- GAS — NATURAL GAS LINE
- MONITORING WELL
- GAS VALVE
- OTHER MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- WELLHEAD

NOTES:

5962.45 — GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5962.5 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

* GROUNDWATER ELEVATION APPEARS ANOMOLOUS AND WAS NOT USED TO PREPARE COUNTORING GROUNDWATER ELEVATION.

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-03-15	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 11, 2023

PROJECT:

JOHNSTON FEDERAL #6A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 10

APPENDICES

APPENDIX A – SITE HISTORY

APPENDIX B – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX C – WASTE DISPOSAL DOCUMENTATION

APPENDIX D – GROUNDWATER ANALYTICAL LAB REPORTS

APPENDIX A

Site History

Johnston Fed #6A
San Juan River Basin, New Mexico

Date	*Source (Regulatory File #)*	*Event/Action*	*Description/Comments*
12/18/1974	API # 30-045-21642	Application for Permit to Drill	New gas well, #6A.
7/14/1975	API # 30-045-21642	Well Completion Report and Log	Union Texas Petroleum is operator. Spudded 5/8/1975, date completed/first production 7/7/1975; El Paso Natufal Gas Company is transporter.
9/20/1991	API # 30-045-21642	Ownership change	Change in operator to Meridian Oil Inc.
3/4/1992	Case # 3RP-283	Letter from Meridian Oil to NMOCD results of two groundwater samples	Groundwater samples from piezometers exceeeded New Mexico Water Quality Control Commission (NMWQCC) standards.
9/16/1995	Unknown	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	Unknown	EPFS Addendum Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Amends work plan to include installation of additional wells for delienation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	Unknown	NMOCD approval of the Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
7/11/1996	API # 30-045-21642	Ownership change	Burlington Resources noted as well operator by this date.
6/2/1997	nAUTOfAB000309 (Case # 3RP-202)	Semi-annual EPFS Pit Projects Groundwater Report	Lists pits where groundwater was encountered.
8/6/1997	nAUTOfAB000309 (Case # 3RP-202)	NMOCD review letter	Approves modifying reporting schedule from semi-annual to annual basis
2/27/1998	nAUTOfAB000309 (Case # 3RP-202)	Philip Services Corp 1997 Annual Report (for EPFS)	Documents pit closure, installation of MW-1, quarterly groundwater sampling from temporary wells, LNAPL removal from MW-1.
7/8/1998	nAUTOfAB000309 (Case # 3RP-202)	NMOCD review letter for 1997 Annual Groundwater Report (EPFS)	NMOCD requests EPFS work cooperatively with operator to investigate and remediate groundwater.

Johnston Fed #6A
San Juan River Basin, New Mexico

7/9/1998	Case # 3RP-72	Letter from NMOCD to Burlington Resources	Required BR submit Groundwater Investigation and Remediation Plan for all pit closure sites in the San Juan Basin that encounter groundwater.
9/10/1998	Case # 3RP-72	Letter from NMOCD to Burlington Resources	NMOCD approved Work Plan.
3/31/1999	nAUTOfAB000309 (Case # 3RP-202)	Philip Services Corp 1998 Annual Report (for EPFS)	Quarterly sampling discontinued due to presence of LNAPL.
6/4/1999	Case # 3RP-72	BR letter to NMOCD requesting to remove a temporary well. .	Letter included Pit Remediation and Closure Report for BR earthen pit and soil analytical results.
6/7/1999	Case # 3RP-72	NMOCD Memo	NMOCD approves to plug monitoring well in the way of workover rig.
7/28/1999	nAUTOfAB000309 (Case # 3RP-202)	NMOCD review letter for 1998 Annual Groundwater Report (EPFS)	NMOCD requires that EPFS install additional monitoring wells to delineate groundwater plume.
3/24/2000	nAUTOfAB000309 (Case # 3RP-202)	Philip Services Corp 1999 Annual Report (for EPFS)	Groundwater sampling and LNAPL monitoring.
2/26/2001	nAUTOfAB000309 (Case # 3RP-202)	Philip Services Corp 2000 Annual Report (for EPFS)	Monitoring well MW-5 installed and groundwater sampling.
7/18/2001	nAUTOfAB000309 (Case # 3RP-202)	NMOCD review letter for 2000 Annual Groundwater Report (EPFS)	NMOCD requests EPFS work cooperatively with BR to investigate and remediate contaminated groundwater.
2/28/2002	nAUTOfAB000309 (Case # 3RP-202)	MWH 2001 Annual Report (for EPFS)	LNAPL recovery at MW-1. Annual groundwater monitoring.
2/28/2003	nAUTOfAB000309 (Case # 3RP-202)	MWH 2002 Annual Report (for EPFS)	Quarterly LNAPL recovery at MW-1. Annual groundwater sampling.
4/3/2003	nAUTOfAB000309 (Case # 3RP-202)	NMOCD review letter for 2002 Annual Groundwater Report (EPFS)	NMOCD requires EPFS install additional monitoring wells for plume delineation.
2/26/2004	nAUTOfAB000309 (Case # 3RP-202)	MWH 2003 Annual Report (for EPFS)	Quarterly LNAPL recovery and annual groundwater sampling.
2/21/2005	nAUTOfAB000309 (Case # 3RP-202)	MWH 2004 Annual Groundwater Report (for EPFS)	LNAPL recovery, groundwtare sampling, and LNAPL recovery technology review.

Johnston Fed #6A
San Juan River Basin, New Mexico

3/16/2006	nAUTOfAB000309 (Case # 3RP-202)	MWH 2005 Annual Groundwater Report (for EPTPC)	LNAPL recovery and groundwater sampling.
3/2/2007	nAUTOfAB000309 (Case # 3RP-202)	MWH 2006 Annual Groundwater Report (for EPTPC)	Geoprobe soil and groundwater investigation activities, MW-6 installed.
4/2/2008	nAUTOfAB000309 (Case # 3RP-202)	MWH 2007 Annual Groundwater Report (for EPTPC)	Quarterly LNAPL recovery and annual sampling.
2/28/2009	nAUTOfAB000309 (Case # 3RP-202)	MWH 2008 Annual Groundwater Report (for EPTPC)	Quarterly LNAPL recovery and annual sampling.
4/16/2010	nAUTOfAB000309 (Case # 3RP-202)	MWH Final 2009 Annual Report (for EPTPC)	Quarterly LNAPL recovery and annual sampling continued.
3/2/2011	nAUTOfAB000309 (Case # 3RP-202)	MWH Final 2010 Annual Report (for EPTPC)	Quarterly LNAPL recovery and annual sampling.
8/16/2012	nAUTOfAB000309 (Case # 3RP-202)	MWH 2011 Annual Report (for EPCGP)	Quarterly LNAPL recovery and annual sampling continued.
2/28/2014	nAUTOfAB000309 (Case # 3RP-202)	MWH 2013 Annual Report (for EPCGP)	Three groundwater sampling events conducted.
2/2/2015	nAUTOfAB000309 (Case # 3RP-202)	MWH 2014 Annual Report (for EPCGP)	Semi-annual groundwater monitoring.
10/5/2015	nAUTOfAB000309 (Case # 3RP-202)	MWH 2015 Monitoring Well Installation Work Plan (for EPCGP)	Three new monitoring wells and one soil boring proposed.
2/16/2016	nAUTOfAB000309 (Case # 3RP-202)	Stantec 2015 Annual Groundwater Report (for EPCGP)	MW-7 through MW-9 installed and one soil boring advanced, semi-annual groundwater monitoring.
3/20/2017	nAUTOfAB000309 (Case # 3RP-202)	Stantec 2016 Annual Groundwater Report (for EPCGP)	MDPE event completed at MW-1, semi-annual groundwater sampling, LNAPL recovery.
6/2/2017	nAUTOfAB000309 (Case # 3RP-202)	NMOCD review letter for 2016 Annual Report	Remediation plan requested.
6/29/2017	nAUTOfAB000309 (Case # 3RP-202)	Stantec Work Plan for LNAPL Recovery Activities (for EPCGP)	MDPE activities will be completed from monitoring well MW-1 for three continuous days.
7/5/2017	nAUTOfAB000309 (Case # 3RP-202)	NMOCD approval letter for LNAPL Recovery Work Plan	Approval of Work Plan for MDPE at MW-1.

Johnston Fed #6A
San Juan River Basin, New Mexico

7/19/2017	nAUTOfAB000309 (Case # 3RP-202)	Response letter from EPCGP to NMOCD	No further groundwater plume delineation was planned at this time.
7/21/2017	API # 30-045-21642	Change of Operator	Hilcorp Energy Company in new operator.
3/28/2018	Case # 3RP-68	Stantec 2017 Annual Groundwater Report (for EPCGP)	MDPE evemts, LNAPL recovery activities, semi-annual groundwater sampling
3/29/2019	Not in NMOCD files	Stantec 2018 Annual Groundwater Report (for EPCGP)	MDPE events conducted, semi-annual groundwater sampling.
6/28/2019	Not in NMOCD files	Stantec Monitoring Well Installation Work Plan (for EPCGP)	Two new monitoring wells will be installed.
4/1/2020	Not in NMOCD files	Stantec 2019 Annual Groundwater Report (for EPCGP)	MW-10 and MW-11 installed, semi-annual groundwater sampling.
1/5/2021	Not in NMOCD files	Letter from EPCGP to NMOCD	Quarterly LNAPL recovery, semi-annual sampling.
4/8/2021	nAUTOfAB000309	Stantec 2020 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring. Quarterly LNAPL recovery.
8/23/2021	nAUTOfAB000309	Stantec Work Plan for LNAPL Recovery Activities (for EPCGP)	Two one-day MDPE events are proposed.
3/22/2022	nAUTOfAB000309	Stantec Monitoring Well Replacement Work Plan (for EPCGP)	Work Plan proposed overdrilling and replacing monitoring well MW-1.
3/30/2022	nAUTOfAB000309	Stantec 2021 Annual Groundwater Report (for EPCGP)	Two MDPE events, semi-annual groundwater monitoring and quarterly LNAPL recovery.
3/22/2023	nAUTOfAB000309	Stantec 2022 Annual Groundwater Report (for EPCGP)	MW-1 well replaced, semi-annual groundwater sampling, quarterly LNAPL monitoring.

APPENDIX B

NMOCD Notification of Site Activities

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, March 22, 2023 9:37:27 PM

Hi Nelson -

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

Site Name	Incident Number	Sample Date
Johnston Federal #6A	nAUTOfAB000309	03/30/2023

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

Thank you,
Steve

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Friday, May 12, 2023 9:54:16 PM

Hi Nelson -

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

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	5/20/2023
Fields A#7A	nAUTOfAB000176	5/21/2023
Fogelson 4-1	nAUTOfAB000192	5/18/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/17/2023
GCU Com A #142E	nAUTOfAB000219	5/21/2023
James F. Bell #1E	nAUTOfAB000291	5/18/2023
Johnston Fed #4	nAUTOfAB000305	5/19/2023
Johnston Fed #6A	nAUTOfAB000309	5/19/2023
K27 LDO72	nAUTOfAB000316	5/20/2023
Knight #1	nAUTOfAB000324	5/17/2023
Lateral L 40 Line Drip	nAUTOfAB000335	5/21/2023
Sandoval GC A #1A	nAUTOfAB000635	5/19/2023
Standard Oil Com #1	nAUTOfAB000666	5/20/2023
State Gas Com N #1	nAUTOfAB000668	5/22/2023

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

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

Thank you,
Steve

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, August 16, 2023 1:44:00 PM

Hi Nelson -

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

Site Name	Incident Number	Sample Date
Gallegos Canyon Unit #124E	nAUTOfAB000205	08/31/2023
Johnston Federal #6A	nAUTOfAB000309	08/30/2023

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

Thank you,
Steve

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 2, 2023 6:17:33 AM

Hi Nelson -

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

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	11/12/2023
Fields A#7A	nAUTOfAB000176	11/15/2023
Fogelson 4-1	nAUTOfAB000192	11/8/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/9/2023
GCU Com A #142E	nAUTOfAB000219	11/9/2023
James F. Bell #1E	nAUTOfAB000291	11/15/2023
Johnston Fed #4	nAUTOfAB000305	11/11/2023
Johnston Fed #6A	nAUTOfAB000309	11/11/2023
K27 LDO72	nAUTOfAB000316	11/12/2023
Knight #1	nAUTOfAB000324	11/7/2023
Lateral L 40 Line Drip	nAUTOfAB000335	11/16/2023
Sandoval GC A #1A	nAUTOfAB000635	11/11/2023
Standard Oil Com #1	nAUTOfAB000666	11/12/2023
State Gas Com N #1	nAUTOfAB000668	11/10/2023

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

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

Thank you,
Steve

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

APPENDIX C

Waste Disposal Documentation

envirotech

Bill of Lading

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

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Contaminated Water				1		992/705	1550	
						1				
									SCANNED	

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

LANDFARM EMPLOYEE

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

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

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

Generator Onsite Contact Sean Cleary Phone (515) 557-0109

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envirotech

BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023 TIME 1550

Attach test strip here

CUSTOMER Kinder Morgan

SITE Rio Vista Comp Station SJ River Plant Blanco N Flare Aluminosis Pits sites

DRIVER [redacted]

SAMPLE Soil Straight _____ With Dirt ✓

CHLORIDE TEST -281 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 1550 Time completed 1600

PASS YES ✓ NO _____

SAMPLER/ANALYST [redacted]

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

envirotech

Bill of Lading

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

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tankbottoms			1			991	1130	byGayR
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-251	CHLORIDE TEST	1	Cory Robinson	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 78476

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 03/31/23 TIME 1130

Attach test strip here

CUSTOMER Kinder Morgan

SITE ELPASO Pit sites

DRIVER by Gary Robinson

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST -281 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1130 Time completed 1142

PASS YES X NO _____

SAMPLER/ANALYST Cory Robinson

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

envirotech

Bill of Lading

MANIFEST # 81123 8 pit sites
GENERATOR Kinder morgan
POINT OF ORIGIN Rio vista comp
TRANSPORTER Envirotech
DATE 09/01/23 JOB # 14073-0073

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tank Bottoms Cont Liquid			1		—	958	1025	
					1					

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

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

Generator Onsite Contact _____ Phone _____

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0073

envirotech

BOL# 91123

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 09/01/23 TIME 1025 Attach test strip here

CUSTOMER ~~Rio Vista Co~~ Kindermorgan

SITE Rio Vista Comp

DRIVER ~~Santos Fuentes~~

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1025 Time completed 1035

PASS YES ✓ NO _____

SAMPLER/ANALYST Gary Robinson

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

envirotech

Bill of Lading

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

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	B'F	Tank bottoms			1	—	—	725	1430	
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-272	CHLORIDE TEST	1		
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 82577

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

Attach test strip here

CUSTOMER El Paso

SITE See Bol 82577

DRIVER Stoven by Gomez

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1430 Time completed 1441

PASS YES X NO _____

SAMPLER/ANALYST _____

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

APPENDIX D

Groundwater Analytical Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/11/2023 9:11:47 AM

JOB DESCRIPTION

Johnson Federal #6A.00

JOB NUMBER

400-235182-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

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

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Laboratory Job ID: 400-235182-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Job ID: 400-235182-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235182-1

Comments
No additional comments.

Receipt
The samples were received on 3/29/2023 8:56 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4º C.

GC/MS VOA
Method 8260D: The matrix spike (MS) recoveries for analytical batch 400-619698 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-235182-2) and MW-1R (400-235182-3). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D LL: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (MB 400-619391/1-A). These results have been reported and qualified.

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

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: TB-01 Lab Sample ID: 400-235182-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-235182-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	30		5.0		ug/L	5		8260D	Total/NA
Toluene	14		5.0		ug/L	5		8260D	Total/NA
Xylenes, Total	610		50		ug/L	5		8260D	Total/NA
1-Methylnaphthalene	0.33		0.22		ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.33		0.22		ug/L	1		8270D LL	Total/NA
Naphthalene	0.57		0.22		ug/L	1		8270D LL	Total/NA

Client Sample ID: MW-1R Lab Sample ID: 400-235182-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	27		5.0		ug/L	5		8260D	Total/NA
Toluene	13		5.0		ug/L	5		8260D	Total/NA
Xylenes, Total	580		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW-2 Lab Sample ID: 400-235182-4

No Detections.

Client Sample ID: MW-3 Lab Sample ID: 400-235182-5

No Detections.

Client Sample ID: MW-4 Lab Sample ID: 400-235182-6

No Detections.

Client Sample ID: MW-5 Lab Sample ID: 400-235182-7

No Detections.

Client Sample ID: MW-6 Lab Sample ID: 400-235182-8

No Detections.

Client Sample ID: MW-7 Lab Sample ID: 400-235182-9

No Detections.

Client Sample ID: MW-8 Lab Sample ID: 400-235182-10

No Detections.

Client Sample ID: MW-9 Lab Sample ID: 400-235182-11

No Detections.

Client Sample ID: MW-10 Lab Sample ID: 400-235182-12

No Detections.

Client Sample ID: MW-11 Lab Sample ID: 400-235182-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET PEN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-235182-1	TB-01	Water	03/28/23 11:30	03/29/23 08:56
400-235182-2	DUP-01	Water	03/28/23 12:00	03/29/23 08:56
400-235182-3	MW-1R	Water	03/28/23 12:30	03/29/23 08:56
400-235182-4	MW-2	Water	03/28/23 12:57	03/29/23 08:56
400-235182-5	MW-3	Water	03/28/23 13:18	03/29/23 08:56
400-235182-6	MW-4	Water	03/28/23 13:32	03/29/23 08:56
400-235182-7	MW-5	Water	03/28/23 13:37	03/29/23 08:56
400-235182-8	MW-6	Water	03/28/23 13:43	03/29/23 08:56
400-235182-9	MW-7	Water	03/28/23 13:49	03/29/23 08:56
400-235182-10	MW-8	Water	03/28/23 14:07	03/29/23 08:56
400-235182-11	MW-9	Water	03/28/23 14:14	03/29/23 08:56
400-235182-12	MW-10	Water	03/28/23 14:19	03/29/23 08:56
400-235182-13	MW-11	Water	03/28/23 14:25	03/29/23 08:56

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: TB-01

Date Collected: 03/28/23 11:30
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/05/23 21:51	1
Ethylbenzene	<1.0		1.0		ug/L			04/05/23 21:51	1
Toluene	<1.0		1.0		ug/L			04/05/23 21:51	1
Xylenes, Total	<10		10		ug/L			04/05/23 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*64 - 132*		*04/05/23 21:51*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*04/05/23 21:51*	*1*
4-Bromofluorobenzene	*93*		*72 - 119*		*04/05/23 21:51*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: DUP-01

Date Collected: 03/28/23 12:00
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0		ug/L			04/06/23 12:49	5
Ethylbenzene	**30**		5.0		ug/L			04/06/23 12:49	5
Toluene	**14**		5.0		ug/L			04/06/23 12:49	5
Xylenes, Total	**610**		50		ug/L			04/06/23 12:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/06/23 12:49*	*5*
Dibromofluoromethane	*101*		*75 - 126*		*04/06/23 12:49*	*5*
4-Bromofluorobenzene	*96*		*72 - 119*		*04/06/23 12:49*	*5*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.22		0.22		ug/L		04/04/23 10:25	04/05/23 14:42	1
1-Methylnaphthalene	**0.33**		0.22		ug/L		04/04/23 10:25	04/05/23 14:42	1
2-Methylnaphthalene	**0.33**		0.22		ug/L		04/04/23 10:25	04/05/23 14:42	1
Naphthalene	**0.57**		0.22		ug/L		04/04/23 10:25	04/05/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 122*	*04/04/23 10:25*	*04/05/23 14:42*	*1*
Nitrobenzene-d5	*59*		*19 - 130*	*04/04/23 10:25*	*04/05/23 14:42*	*1*
Terphenyl-d14	*66*		*33 - 138*	*04/04/23 10:25*	*04/05/23 14:42*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-1R

Date Collected: 03/28/23 12:30
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0		ug/L			04/06/23 13:16	5
Ethylbenzene	**27**		5.0		ug/L			04/06/23 13:16	5
Toluene	**13**		5.0		ug/L			04/06/23 13:16	5
Xylenes, Total	**580**		50		ug/L			04/06/23 13:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/06/23 13:16*	*5*
Dibromofluoromethane	*101*		*75 - 126*		*04/06/23 13:16*	*5*
4-Bromofluorobenzene	*96*		*72 - 119*		*04/06/23 13:16*	*5*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 14:59	1
1-Methylnaphthalene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 14:59	1
2-Methylnaphthalene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 14:59	1
Naphthalene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 122*	*04/04/23 10:25*	*04/05/23 14:59*	*1*
Nitrobenzene-d5	*73*		*19 - 130*	*04/04/23 10:25*	*04/05/23 14:59*	*1*
Terphenyl-d14	*84*		*33 - 138*	*04/04/23 10:25*	*04/05/23 14:59*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-2

Date Collected: 03/28/23 12:57
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/05/23 22:44	1
Ethylbenzene	<1.0		1.0		ug/L			04/05/23 22:44	1
Toluene	<1.0		1.0		ug/L			04/05/23 22:44	1
Xylenes, Total	<10		10		ug/L			04/05/23 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/05/23 22:44*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*04/05/23 22:44*	*1*
4-Bromofluorobenzene	*92*		*72 - 119*		*04/05/23 22:44*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.22		0.22		ug/L		04/04/23 10:25	04/05/23 15:16	1
1-Methylnaphthalene	<0.22		0.22		ug/L		04/04/23 10:25	04/05/23 15:16	1
2-Methylnaphthalene	<0.22		0.22		ug/L		04/04/23 10:25	04/05/23 15:16	1
Naphthalene	<0.22		0.22		ug/L		04/04/23 10:25	04/05/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/04/23 10:25*	*04/05/23 15:16*	*1*
Nitrobenzene-d5	*82*		*19 - 130*	*04/04/23 10:25*	*04/05/23 15:16*	*1*
Terphenyl-d14	*130*		*33 - 138*	*04/04/23 10:25*	*04/05/23 15:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-3

Date Collected: 03/28/23 13:18
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/05/23 23:11	1
Ethylbenzene	<1.0		1.0		ug/L			04/05/23 23:11	1
Toluene	<1.0		1.0		ug/L			04/05/23 23:11	1
Xylenes, Total	<10		10		ug/L			04/05/23 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/05/23 23:11*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*04/05/23 23:11*	*1*
4-Bromofluorobenzene	*93*		*72 - 119*		*04/05/23 23:11*	*1*

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 15:34	1
1-Methylnaphthalene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 15:34	1
2-Methylnaphthalene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 15:34	1
Naphthalene	<0.23		0.23		ug/L		04/04/23 10:25	04/05/23 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*15 - 122*	*04/04/23 10:25*	*04/05/23 15:34*	*1*
Nitrobenzene-d5	*56*		*19 - 130*	*04/04/23 10:25*	*04/05/23 15:34*	*1*
Terphenyl-d14	*97*		*33 - 138*	*04/04/23 10:25*	*04/05/23 15:34*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-4

Date Collected: 03/28/23 13:32
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/05/23 23:38	1
Ethylbenzene	<1.0		1.0		ug/L			04/05/23 23:38	1
Toluene	<1.0		1.0		ug/L			04/05/23 23:38	1
Xylenes, Total	<10		10		ug/L			04/05/23 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/05/23 23:38*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*04/05/23 23:38*	*1*
4-Bromofluorobenzene	*93*		*72 - 119*		*04/05/23 23:38*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-5

Date Collected: 03/28/23 13:37
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 00:04	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 00:04	1
Toluene	<1.0		1.0		ug/L			04/06/23 00:04	1
Xylenes, Total	<10		10		ug/L			04/06/23 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/06/23 00:04*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*04/06/23 00:04*	*1*
4-Bromofluorobenzene	*90*		*72 - 119*		*04/06/23 00:04*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-6

Date Collected: 03/28/23 13:43
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 00:31	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 00:31	1
Toluene	<1.0		1.0		ug/L			04/06/23 00:31	1
Xylenes, Total	<10		10		ug/L			04/06/23 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/06/23 00:31*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*04/06/23 00:31*	*1*
4-Bromofluorobenzene	*92*		*72 - 119*		*04/06/23 00:31*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-7

Date Collected: 03/28/23 13:49
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 00:58	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 00:58	1
Toluene	<1.0		1.0		ug/L			04/06/23 00:58	1
Xylenes, Total	<10		10		ug/L			04/06/23 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/06/23 00:58*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*04/06/23 00:58*	*1*
4-Bromofluorobenzene	*90*		*72 - 119*		*04/06/23 00:58*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-8

Date Collected: 03/28/23 14:07
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 01:24	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 01:24	1
Toluene	<1.0		1.0		ug/L			04/06/23 01:24	1
Xylenes, Total	<10		10		ug/L			04/06/23 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/06/23 01:24*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*04/06/23 01:24*	*1*
4-Bromofluorobenzene	*92*		*72 - 119*		*04/06/23 01:24*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-9

Date Collected: 03/28/23 14:14
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-11

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 01:51	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 01:51	1
Toluene	<1.0		1.0		ug/L			04/06/23 01:51	1
Xylenes, Total	<10		10		ug/L			04/06/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/06/23 01:51*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*04/06/23 01:51*	*1*
4-Bromofluorobenzene	*92*		*72 - 119*		*04/06/23 01:51*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-10

Date Collected: 03/28/23 14:19
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-12

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 02:18	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 02:18	1
Toluene	<1.0		1.0		ug/L			04/06/23 02:18	1
Xylenes, Total	<10		10		ug/L			04/06/23 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/06/23 02:18*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*04/06/23 02:18*	*1*
4-Bromofluorobenzene	*92*		*72 - 119*		*04/06/23 02:18*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-11

Date Collected: 03/28/23 14:25
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-13

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/06/23 02:44	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 02:44	1
Toluene	<1.0		1.0		ug/L			04/06/23 02:44	1
Xylenes, Total	<10		10		ug/L			04/06/23 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*04/06/23 02:44*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*04/06/23 02:44*	*1*
4-Bromofluorobenzene	*92*		*72 - 119*		*04/06/23 02:44*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: TB-01
Date Collected: 03/28/23 11:30
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/05/23 21:51	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: DUP-01
Date Collected: 03/28/23 12:00
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	619698	04/06/23 12:49	AGW	EET PEN
	Instrument ID: CH_WASP									
Total/NA	Prep	3510C			222.4 mL	1 mL	619391	04/04/23 10:25	STC	EET PEN
Total/NA	Analysis	8270D LL		1	0.4 mL	0.4 mL	619536	04/05/23 14:42	PP1	EET PEN
	Instrument ID: LUCY									

Client Sample ID: MW-1R
Date Collected: 03/28/23 12:30
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	619698	04/06/23 13:16	AGW	EET PEN
	Instrument ID: CH_WASP									
Total/NA	Prep	3510C			221.2 mL	1 mL	619391	04/04/23 10:25	STC	EET PEN
Total/NA	Analysis	8270D LL		1	0.4 mL	0.4 mL	619536	04/05/23 14:59	PP1	EET PEN
	Instrument ID: LUCY									

Client Sample ID: MW-2
Date Collected: 03/28/23 12:57
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/05/23 22:44	AGW	EET PEN
	Instrument ID: CH_WASP									
Total/NA	Prep	3510C			229 mL	1 mL	619391	04/04/23 10:25	STC	EET PEN
Total/NA	Analysis	8270D LL		1	0.4 mL	0.4 mL	619536	04/05/23 15:16	PP1	EET PEN
	Instrument ID: LUCY									

Client Sample ID: MW-3
Date Collected: 03/28/23 13:18
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/05/23 23:11	AGW	EET PEN
	Instrument ID: CH_WASP									
Total/NA	Prep	3510C			221 mL	1 mL	619391	04/04/23 10:25	STC	EET PEN
Total/NA	Analysis	8270D LL		1	0.4 mL	0.4 mL	619536	04/05/23 15:34	PP1	EET PEN
	Instrument ID: LUCY									

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-4
Date Collected: 03/28/23 13:32
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/05/23 23:38	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-5
Date Collected: 03/28/23 13:37
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 00:04	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-6
Date Collected: 03/28/23 13:43
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 00:31	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-7
Date Collected: 03/28/23 13:49
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 00:58	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-8
Date Collected: 03/28/23 14:07
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 01:24	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-9
Date Collected: 03/28/23 14:14
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 01:51	AGW	EET PEN
	Instrument ID: CH_WASP									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Client Sample ID: MW-10

Date Collected: 03/28/23 14:19
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 02:18	AGW	EET PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-11

Date Collected: 03/28/23 14:25
Date Received: 03/29/23 08:56

Lab Sample ID: 400-235182-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	619671	04/06/23 02:44	AGW	EET PEN
	Instrument ID: CH_WASP									

Laboratory References:

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

GC/MS VOA

Analysis Batch: 619671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235182-1	TB-01	Total/NA	Water	8260D	
400-235182-4	MW-2	Total/NA	Water	8260D	
400-235182-5	MW-3	Total/NA	Water	8260D	
400-235182-6	MW-4	Total/NA	Water	8260D	
400-235182-7	MW-5	Total/NA	Water	8260D	
400-235182-8	MW-6	Total/NA	Water	8260D	
400-235182-9	MW-7	Total/NA	Water	8260D	
400-235182-10	MW-8	Total/NA	Water	8260D	
400-235182-11	MW-9	Total/NA	Water	8260D	
400-235182-12	MW-10	Total/NA	Water	8260D	
400-235182-13	MW-11	Total/NA	Water	8260D	
MB 400-619671/4	Method Blank	Total/NA	Water	8260D	
LCS 400-619671/1002	Lab Control Sample	Total/NA	Water	8260D	
400-235050-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
400-235050-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 619698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235182-2	DUP-01	Total/NA	Water	8260D	
400-235182-3	MW-1R	Total/NA	Water	8260D	
MB 400-619698/4	Method Blank	Total/NA	Water	8260D	
LCS 400-619698/1002	Lab Control Sample	Total/NA	Water	8260D	
400-235161-B-4 MS	Matrix Spike	Total/NA	Water	8260D	
400-235161-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 619391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235182-2	DUP-01	Total/NA	Water	3510C	
400-235182-3	MW-1R	Total/NA	Water	3510C	
400-235182-4	MW-2	Total/NA	Water	3510C	
400-235182-5	MW-3	Total/NA	Water	3510C	
MB 400-619391/1-A	Method Blank	Total/NA	Water	3510C	
LCS 400-619391/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 400-619391/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 619536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235182-2	DUP-01	Total/NA	Water	8270D LL	619391
400-235182-3	MW-1R	Total/NA	Water	8270D LL	619391
400-235182-4	MW-2	Total/NA	Water	8270D LL	619391
400-235182-5	MW-3	Total/NA	Water	8270D LL	619391
MB 400-619391/1-A	Method Blank	Total/NA	Water	8270D LL	619391
LCS 400-619391/2-A	Lab Control Sample	Total/NA	Water	8270D LL	619391
LCSD 400-619391/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	619391

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

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

Lab Sample ID: MB 400-619671/4
Matrix: Water
Analysis Batch: 619671

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			04/05/23 18:44	1
Ethylbenzene	<1.0		1.0		ug/L			04/05/23 18:44	1
Toluene	<1.0		1.0		ug/L			04/05/23 18:44	1
Xylenes, Total	<10		10		ug/L			04/05/23 18:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*64 - 132*		*04/05/23 18:44*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*04/05/23 18:44*	*1*
4-Bromofluorobenzene	*93*		*72 - 119*		*04/05/23 18:44*	*1*

Lab Sample ID: LCS 400-619671/1002
Matrix: Water
Analysis Batch: 619671

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	43.5		ug/L		87	70 - 130		
Ethylbenzene			50.0	43.2		ug/L		86	70 - 130		
Toluene			50.0	40.8		ug/L		82	70 - 130		
Xylenes, Total			100	84.0		ug/L		84	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*64 - 132*
Dibromofluoromethane	*98*		*75 - 126*
4-Bromofluorobenzene	*94*		*72 - 119*

Lab Sample ID: 400-235050-A-1 MS
Matrix: Water
Analysis Batch: 619671

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<1.0		50.0	42.1		ug/L		84	56 - 142		
Ethylbenzene	<1.0		50.0	39.3		ug/L		79	58 - 131		
Toluene	<1.0		50.0	38.1		ug/L		76	65 - 130		
Xylenes, Total	<10		100	78.4		ug/L		78	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*64 - 132*
Dibromofluoromethane	*99*		*75 - 126*
4-Bromofluorobenzene	*93*		*72 - 119*

Lab Sample ID: 400-235050-A-1 MSD
Matrix: Water
Analysis Batch: 619671

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	39.9		ug/L		80	56 - 142	5	30
Ethylbenzene	<1.0		50.0	36.3		ug/L		73	58 - 131	8	30
Toluene	<1.0		50.0	36.4		ug/L		73	65 - 130	4	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

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

Lab Sample ID: 400-235050-A-1 MSD
Matrix: Water
Analysis Batch: 619671

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<10		100	70.7		ug/L		71	59 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*64 - 132*
Dibromofluoromethane	*98*		*75 - 126*
4-Bromofluorobenzene	*97*		*72 - 119*

Lab Sample ID: MB 400-619698/4
Matrix: Water
Analysis Batch: 619698

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			04/06/23 09:43	1
Ethylbenzene	<1.0		1.0		ug/L			04/06/23 09:43	1
Toluene	<1.0		1.0		ug/L			04/06/23 09:43	1
Xylenes, Total	<10		10		ug/L			04/06/23 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/06/23 09:43*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*04/06/23 09:43*	*1*
4-Bromofluorobenzene	*90*		*72 - 119*		*04/06/23 09:43*	*1*

Lab Sample ID: LCS 400-619698/1002
Matrix: Water
Analysis Batch: 619698

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	45.2		ug/L		90	70 - 130		
Ethylbenzene			50.0	42.2		ug/L		84	70 - 130		
Toluene			50.0	40.7		ug/L		81	70 - 130		
Xylenes, Total			100	82.6		ug/L		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*64 - 132*
Dibromofluoromethane	*100*		*75 - 126*
4-Bromofluorobenzene	*93*		*72 - 119*

Lab Sample ID: 400-235161-B-4 MS
Matrix: Water
Analysis Batch: 619698

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<1.0		50.0	36.5		ug/L		73	56 - 142		
Ethylbenzene	<1.0	F1	50.0	28.5	F1	ug/L		57	58 - 131		
Toluene	<1.0	F1	50.0	30.5	F1	ug/L		61	65 - 130		
Xylenes, Total	<10	F1	100	56.8	F1	ug/L		57	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

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

Lab Sample ID: 400-235161-B-4 MS
Matrix: Water
Analysis Batch: 619698

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*96*		*64 - 132*
Dibromofluoromethane	*99*		*75 - 126*
4-Bromofluorobenzene	*95*		*72 - 119*

Lab Sample ID: 400-235161-B-4 MSD
Matrix: Water
Analysis Batch: 619698

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	38.7		ug/L		77	56 - 142	6	30
Ethylbenzene	<1.0	F1	50.0	31.5		ug/L		63	58 - 131	10	30
Toluene	<1.0	F1	50.0	33.4		ug/L		67	65 - 130	9	30
Xylenes, Total	<10	F1	100	61.4		ug/L		61	59 - 130	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	*97*		*64 - 132*
Dibromofluoromethane	*98*		*75 - 126*
4-Bromofluorobenzene	*98*		*72 - 119*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-619391/1-A
Matrix: Water
Analysis Batch: 619536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 619391

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.20		0.20		ug/L		04/04/23 10:25	04/05/23 13:50	1
1-Methylnaphthalene	<0.20		0.20		ug/L		04/04/23 10:25	04/05/23 13:50	1
2-Methylnaphthalene	<0.20		0.20		ug/L		04/04/23 10:25	04/05/23 13:50	1
Naphthalene	<0.20		0.20		ug/L		04/04/23 10:25	04/05/23 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*88*		*15 - 122*	*04/04/23 10:25*	*04/05/23 13:50*	*1*
Nitrobenzene-d5	*87*		*19 - 130*	*04/04/23 10:25*	*04/05/23 13:50*	*1*
Terphenyl-d14	*142*	*S1+*	*33 - 138*	*04/04/23 10:25*	*04/05/23 13:50*	*1*

Lab Sample ID: LCS 400-619391/2-A
Matrix: Water
Analysis Batch: 619536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619391

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]pyrene			120	112		ug/L		93	31 - 131		
1-Methylnaphthalene			120	106		ug/L		88	26 - 120		
2-Methylnaphthalene			120	108		ug/L		90	24 - 120		
Naphthalene			120	89.5		ug/L		75	25 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*70*		*15 - 122*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-619391/2-A
Matrix: Water
Analysis Batch: 619536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 619391

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	79		19 - 130
Terphenyl-d14	87		33 - 138

Lab Sample ID: LCSD 400-619391/3-A
Matrix: Water
Analysis Batch: 619536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 619391

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			120	123		ug/L		103	31 - 131	10	50
1-Methylnaphthalene			120	115		ug/L		96	26 - 120	8	55
2-Methylnaphthalene			120	118		ug/L		98	24 - 120	9	57
Naphthalene			120	99.2		ug/L		83	25 - 120	10	56

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	79		15 - 122
Nitrobenzene-d5	90		19 - 130
Terphenyl-d14	93		33 - 138

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

Chain of Custody Record

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Client Information	Sampler: SRC/SS	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-118730-37676.1
Client Contact: Steve Varsa	Phone: 913-490-0281	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	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): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 515 259 0830	PO #: WD1040030			
Email: steve.varsa@stantec.com	WO #: Johnston Federal #6A.00_ERG_ARF_20230223			
Project Name: Johnston Federal #6A.00	Project #: 40005479			
Site: J Fed GA	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8270D_LL - Project Specific PAHs	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
TB-01	3/28/23	1130	G	Water			2	0	2	Trip Blank
DUP-01	3/28/23	—	G	Water			2	2	4	
MW-1R	3/28/23	1230	G	Water			2	2	4	
MW-2	3/28/23	1257	G	Water			2	2	4	
MW-3	3/28/23	1318	G	Water			2	2	4	
MW-4	3/28/23	1352	G	Water				0	2	
MW-5	3/28/23	1337	G	Water				0	2	
MW-6	3/28/23	1343	G	Water				0	2	
MW-7	3/28/23	1349	G	Water				0	2	
MW-8	3/28/23	1407	G	Water				0	2	
MW-9	3/28/23	1414	G	Water				0	2	

400-235182 COC

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/29/23 1650	STN			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3-29-23 8:56	Company

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

Cooler Temperature(s) °C and Other Remarks: 4 IR1

Ver: 06/08/2021

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

Chain of Custody Record

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Client Information	Sampler: SLC/SS	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-118730-37676.2
Client Contact: Steve Varsa	Phone: 913 980 0251	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: KS	Page: Page 2 of 4 2
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 515 2530830	PO #: WD1040030			
Email: steve.varsa@stantec.com	WO #: Johnston Federal #6A.00_ERG_ARF_20230223			
Project Name: Johnston Federal #6A.00	Project #: 40005479			
Site: JFed 6A	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8270D_LL - Project Specific PAHs	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
MW-10	3/24/23	1419	G	Water			2		2	
MW-11	3/24/23	1425	G	Water			2		2	
				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:	Company	Received by:	Date/Time:	Company
1		3/24/23 1630	STN			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3.29.23 8:56	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-235182-1
SDG Number:

Login Number: 235182
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnson Federal #6A.00

Job ID: 400-235182-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Johnston Federal #6A.00
SDG NUMBER Johnston Federal #6A

JOB NUMBER

400-238115-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Eurofins Pensacola

Job Notes

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

Authorization

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

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Laboratory Job ID: 400-238115-1
SDG: Johnston Federal #6A

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Job ID: 400-238115-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-238115-1

Receipt
The samples were received on 5/23/2023 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 time was 1.8°C

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-238115-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-238115-2

No Detections.

Client Sample ID: MW-1R — Lab Sample ID: 400-238115-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0		ug/L	1		8260D	Total/NA
Toluene	1.1		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	6.6		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total	33		10		ug/L	1		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-238115-4

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-238115-5

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 400-238115-6

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-238115-7

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-238115-8

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-238115-9

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 400-238115-10

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 400-238115-11

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 400-238115-12

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 400-238115-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-238115-1	TRIP BLANK	Water	05/19/23 11:40	05/23/23 09:10
400-238115-2	DUP-01	Water	05/19/23 11:45	05/23/23 09:10
400-238115-3	MW-1R	Water	05/19/23 13:25	05/23/23 09:10
400-238115-4	MW-2	Water	05/19/23 13:20	05/23/23 09:10
400-238115-5	MW-3	Water	05/19/23 13:00	05/23/23 09:10
400-238115-6	MW-4	Water	05/19/23 12:55	05/23/23 09:10
400-238115-7	MW-5	Water	05/19/23 12:45	05/23/23 09:10
400-238115-8	MW-6	Water	05/19/23 12:40	05/23/23 09:10
400-238115-9	MW-7	Water	05/19/23 12:35	05/23/23 09:10
400-238115-10	MW-8	Water	05/19/23 12:30	05/23/23 09:10
400-238115-11	MW-9	Water	05/19/23 12:20	05/23/23 09:10
400-238115-12	MW-10	Water	05/19/23 12:15	05/23/23 09:10
400-238115-13	MW-11	Water	05/19/23 12:10	05/23/23 09:10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: TRIP BLANK

Date Collected: 05/19/23 11:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 19:41	1
Toluene	<1.0		1.0		ug/L			06/01/23 19:41	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 19:41	1
Xylenes, Total	<10		10		ug/L			06/01/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*64 - 132*		*06/01/23 19:41*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*06/01/23 19:41*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*06/01/23 19:41*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: DUP-01

Date Collected: 05/19/23 11:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 21:46	1
Toluene	<1.0		1.0		ug/L			06/01/23 21:46	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 21:46	1
Xylenes, Total	<10		10		ug/L			06/01/23 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*64 - 132*		*06/01/23 21:46*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*06/01/23 21:46*	*1*
4-Bromofluorobenzene	*107*		*72 - 130*		*06/01/23 21:46*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-1R

Date Collected: 05/19/23 13:25
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0		1.0		ug/L			06/01/23 22:11	1
Toluene	1.1		1.0		ug/L			06/01/23 22:11	1
Ethylbenzene	6.6		1.0		ug/L			06/01/23 22:11	1
Xylenes, Total	33		10		ug/L			06/01/23 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*64 - 132*		*06/01/23 22:11*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/01/23 22:11*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*06/01/23 22:11*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-2

Date Collected: 05/19/23 13:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 22:36	1
Toluene	<1.0		1.0		ug/L			06/01/23 22:36	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 22:36	1
Xylenes, Total	<10		10		ug/L			06/01/23 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*64 - 132*		*06/01/23 22:36*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*06/01/23 22:36*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*06/01/23 22:36*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-3

Date Collected: 05/19/23 13:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 23:01	1
Toluene	<1.0		1.0		ug/L			06/01/23 23:01	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 23:01	1
Xylenes, Total	<10		10		ug/L			06/01/23 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*64 - 132*		*06/01/23 23:01*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*06/01/23 23:01*	*1*
4-Bromofluorobenzene	*109*		*72 - 130*		*06/01/23 23:01*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-4

Date Collected: 05/19/23 12:55
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 23:26	1
Toluene	<1.0		1.0		ug/L			06/01/23 23:26	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 23:26	1
Xylenes, Total	<10		10		ug/L			06/01/23 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*64 - 132*		*06/01/23 23:26*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*06/01/23 23:26*	*1*
4-Bromofluorobenzene	*107*		*72 - 130*		*06/01/23 23:26*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-5

Date Collected: 05/19/23 12:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 23:51	1
Toluene	<1.0		1.0		ug/L			06/01/23 23:51	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 23:51	1
Xylenes, Total	<10		10		ug/L			06/01/23 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*64 - 132*		*06/01/23 23:51*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*06/01/23 23:51*	*1*
4-Bromofluorobenzene	*108*		*72 - 130*		*06/01/23 23:51*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-6

Date Collected: 05/19/23 12:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 00:16	1
Toluene	<1.0		1.0		ug/L			06/02/23 00:16	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 00:16	1
Xylenes, Total	<10		10		ug/L			06/02/23 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*64 - 132*		*06/02/23 00:16*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*06/02/23 00:16*	*1*
4-Bromofluorobenzene	*107*		*72 - 130*		*06/02/23 00:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-7

Date Collected: 05/19/23 12:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 14:13	1
Toluene	<1.0		1.0		ug/L			06/02/23 14:13	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 14:13	1
Xylenes, Total	<10		10		ug/L			06/02/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*131*		*64 - 132*		*06/02/23 14:13*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*06/02/23 14:13*	*1*
4-Bromofluorobenzene	*108*		*72 - 130*		*06/02/23 14:13*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-8

Date Collected: 05/19/23 12:30
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 15:16	1
Toluene	<1.0		1.0		ug/L			06/02/23 15:16	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 15:16	1
Xylenes, Total	<10		10		ug/L			06/02/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*64 - 132*		*06/02/23 15:16*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*06/02/23 15:16*	*1*
4-Bromofluorobenzene	*109*		*72 - 130*		*06/02/23 15:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-9

Date Collected: 05/19/23 12:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 15:37	1
Toluene	<1.0		1.0		ug/L			06/02/23 15:37	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 15:37	1
Xylenes, Total	<10		10		ug/L			06/02/23 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*121*		*64 - 132*		*06/02/23 15:37*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*06/02/23 15:37*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*06/02/23 15:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-10

Date Collected: 05/19/23 12:15
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 15:58	1
Toluene	<1.0		1.0		ug/L			06/02/23 15:58	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 15:58	1
Xylenes, Total	<10		10		ug/L			06/02/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*124*		*64 - 132*		*06/02/23 15:58*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*06/02/23 15:58*	*1*
4-Bromofluorobenzene	*105*		*72 - 130*		*06/02/23 15:58*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-11

Date Collected: 05/19/23 12:10
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 16:18	1
Toluene	<1.0		1.0		ug/L			06/02/23 16:18	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 16:18	1
Xylenes, Total	<10		10		ug/L			06/02/23 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*123*		*64 - 132*		*06/02/23 16:18*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*06/02/23 16:18*	*1*
4-Bromofluorobenzene	*106*		*72 - 130*		*06/02/23 16:18*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: TRIP BLANK
Date Collected: 05/19/23 11:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 19:41	AGW	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/19/23 11:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 21:46	AGW	EET PEN

Client Sample ID: MW-1R
Date Collected: 05/19/23 13:25
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 22:11	AGW	EET PEN

Client Sample ID: MW-2
Date Collected: 05/19/23 13:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 22:36	AGW	EET PEN

Client Sample ID: MW-3
Date Collected: 05/19/23 13:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 23:01	AGW	EET PEN

Client Sample ID: MW-4
Date Collected: 05/19/23 12:55
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 23:26	AGW	EET PEN

Client Sample ID: MW-5
Date Collected: 05/19/23 12:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 23:51	AGW	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Client Sample ID: MW-6
Date Collected: 05/19/23 12:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/02/23 00:16	AGW	EET PEN

Client Sample ID: MW-7
Date Collected: 05/19/23 12:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 14:13	BPO	EET PEN

Client Sample ID: MW-8
Date Collected: 05/19/23 12:30
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 15:16	BPO	EET PEN

Client Sample ID: MW-9
Date Collected: 05/19/23 12:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 15:37	BPO	EET PEN

Client Sample ID: MW-10
Date Collected: 05/19/23 12:15
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 15:58	BPO	EET PEN

Client Sample ID: MW-11
Date Collected: 05/19/23 12:10
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 16:18	BPO	EET PEN

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

Lab Sample ID: MB 400-627420/32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 16:21	AGW	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

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

Lab Sample ID: MB 400-627611/20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 13:31	BPO	EET PEN

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

Lab Sample ID: LCS 400-627420/1008
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627420	06/01/23 15:20	AGW	EET PEN

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

Lab Sample ID: LCS 400-627611/1008
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 12:31	BPO	EET PEN

Client Sample ID: MW-7
Date Collected: 05/19/23 12:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-9 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 17:03	BPO	EET PEN

Client Sample ID: MW-7
Date Collected: 05/19/23 12:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238115-9 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627611	06/02/23 17:24	BPO	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

GC/MS VOA

Analysis Batch: 627420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238115-1	TRIP BLANK	Total/NA	Water	8260D	
400-238115-2	DUP-01	Total/NA	Water	8260D	
400-238115-3	MW-1R	Total/NA	Water	8260D	
400-238115-4	MW-2	Total/NA	Water	8260D	
400-238115-5	MW-3	Total/NA	Water	8260D	
400-238115-6	MW-4	Total/NA	Water	8260D	
400-238115-7	MW-5	Total/NA	Water	8260D	
400-238115-8	MW-6	Total/NA	Water	8260D	
MB 400-627420/32	Method Blank	Total/NA	Water	8260D	
LCS 400-627420/1008	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 627611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238115-9	MW-7	Total/NA	Water	8260D	
400-238115-10	MW-8	Total/NA	Water	8260D	
400-238115-11	MW-9	Total/NA	Water	8260D	
400-238115-12	MW-10	Total/NA	Water	8260D	
400-238115-13	MW-11	Total/NA	Water	8260D	
MB 400-627611/20	Method Blank	Total/NA	Water	8260D	
LCS 400-627611/1008	Lab Control Sample	Total/NA	Water	8260D	
400-238115-9 MS	MW-7	Total/NA	Water	8260D	
400-238115-9 MSD	MW-7	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

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

Lab Sample ID: MB 400-627420/32
Matrix: Water
Analysis Batch: 627420

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/01/23 16:21	1
Toluene	<1.0		1.0		ug/L			06/01/23 16:21	1
Ethylbenzene	<1.0		1.0		ug/L			06/01/23 16:21	1
Xylenes, Total	<10		10		ug/L			06/01/23 16:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*64 - 132*		*06/01/23 16:21*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*06/01/23 16:21*	*1*
4-Bromofluorobenzene	*105*		*72 - 130*		*06/01/23 16:21*	*1*

Lab Sample ID: LCS 400-627420/1008
Matrix: Water
Analysis Batch: 627420

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	54.5		ug/L		109	70 - 130
Toluene	50.0	55.9		ug/L		112	70 - 130
Ethylbenzene	50.0	58.2		ug/L		116	70 - 130
Xylenes, Total	100	116		ug/L		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*67 - 134*
Toluene-d8 (Surr)	*100*		*64 - 132*
Dibromofluoromethane	*105*		*75 - 126*
4-Bromofluorobenzene	*100*		*72 - 130*

Lab Sample ID: MB 400-627611/20
Matrix: Water
Analysis Batch: 627611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 13:31	1
Toluene	<1.0		1.0		ug/L			06/02/23 13:31	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 13:31	1
Xylenes, Total	<10		10		ug/L			06/02/23 13:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*123*		*64 - 132*		*06/02/23 13:31*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*06/02/23 13:31*	*1*
4-Bromofluorobenzene	*107*		*72 - 130*		*06/02/23 13:31*	*1*

Lab Sample ID: LCS 400-627611/1008
Matrix: Water
Analysis Batch: 627611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	48.7		ug/L		97	70 - 130
Toluene	50.0	52.7		ug/L		105	70 - 130

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

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

Lab Sample ID: LCS 400-627611/1008
Matrix: Water
Analysis Batch: 627611

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			50.0	48.2		ug/L		96	70 - 130		
Xylenes, Total			100	97.1		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*120*		*67 - 134*
Toluene-d8 (Surr)	*105*		*64 - 132*
Dibromofluoromethane	*104*		*75 - 126*
4-Bromofluorobenzene	*102*		*72 - 130*

Lab Sample ID: 400-238115-9 MS
Matrix: Water
Analysis Batch: 627611

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<1.0		50.0	52.8		ug/L		105	56 - 142		
Toluene	<1.0		50.0	56.5		ug/L		113	65 - 130		
Ethylbenzene	<1.0		50.0	51.9		ug/L		104	58 - 131		
Xylenes, Total	<10		100	104		ug/L		104	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*67 - 134*
Toluene-d8 (Surr)	*106*		*64 - 132*
Dibromofluoromethane	*103*		*75 - 126*
4-Bromofluorobenzene	*101*		*72 - 130*

Lab Sample ID: 400-238115-9 MSD
Matrix: Water
Analysis Batch: 627611

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	50.9		ug/L		101	56 - 142	4	30
Toluene	<1.0		50.0	56.7		ug/L		113	65 - 130	0	30
Ethylbenzene	<1.0		50.0	51.6		ug/L		103	58 - 131	1	30
Xylenes, Total	<10		100	105		ug/L		105	59 - 130	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*67 - 134*
Toluene-d8 (Surr)	*108*		*64 - 132*
Dibromofluoromethane	*103*		*75 - 126*
4-Bromofluorobenzene	*105*		*72 - 130*

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

Chain of Custody Record

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Client Information	Sampler: Sarah Gardner / Sean Clay	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120290-41340.1
Client Contact: Joe Wiley	Phone: 303 291 2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 3
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1040030			
Email: joe.wiley@kindermorgan.com	WO #: Johnston Federal #6A._ERG_ARF_04-26-2023			
Project Name: Johnston Federal #6A.00	Project #: 40015823			
Site: Johnston Federal #6A	SSOW#:			

Analysis Requested

400-238115 COC

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
Trip Blank	5/19/23	1140	—	Water		2	2	Trip Blank
DUP-01	5/19/23	1145	G	Water		2	2	
MW-1R	5/19/23	1325	G	Water		2	2	
MW-2	5/19/23	1320	G	Water		2	2	
MW-3	5/19/23	1300	G	Water		2	2	
MW-4	5/19/23	1255	G	Water		2	2	
MW-5	5/19/23	1245	G	Water		2	2	
MW-6	5/19/23	1240 ~~1235~~	G	Water		2	2	
MW-7	5/19/23	1235	G	Water		2	2	
MW-8	5/19/23	1230	G	Water		2	2	
MW-9	5/19/23	1220	G	Water		2	2	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sarah Gardner	5/22/23 1200	Stantec		5/23/23 910	EECS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.8°C IR8

Ver: 06/08/2021

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

Chain of Custody Record

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Client Information	Sampler: Sarah Gardner / Sean Clay	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120290-41340.2
Client Contact: Joe Wiley	Phone: 303-291-2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1040030			
Email: joe.wiley@kindermorgan.com	WO #: Johnston Federal #6A._ERG_ARF_04-26-2023			
Project Name: Johnston Federal #6A.00	Project #: 40015823			
Site: Johnston Federal #6A	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
MW-10	5/19/23	1215	G	Water		2	2	
MW-11	5/19/23	1210	G	Water		2	2	
				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:	Company	Received by:	Date/Time:	Company
1	[signature]	6/22/23 1200	Stantec	[signature]	5/23/23 910	EECS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-238115-1
SDG Number: Johnston Federal #6A

Login Number: 238115
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-238115-1
SDG: Johnston Federal #6A

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Johnston Federal #6A

JOB NUMBER

400-242853-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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Authorization

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(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Laboratory Job ID: 400-242853-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Job ID: 400-242853-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242853-1

Receipt
The samples were received on 9/1/2023 9:18 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 4.4º C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1R (400-242853-1). 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.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-1R — Lab Sample ID: 400-242853-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.0		1.0		ug/L	1		8260D	Total/NA
Toluene	50		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	84		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total - DL	1500		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-242853-2

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-242853-3

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 400-242853-4

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-242853-5

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-242853-6

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-242853-7

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 400-242853-8

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 400-242853-9

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 400-242853-10

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 400-242853-11

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-242853-12

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-242853-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-242853-1	MW-1R	Water	08/30/23 14:33	09/01/23 09:18
400-242853-2	MW-2	Water	08/30/23 15:02	09/01/23 09:18
400-242853-3	MW-3	Water	08/30/23 15:13	09/01/23 09:18
400-242853-4	MW-4	Water	08/30/23 15:59	09/01/23 09:18
400-242853-5	MW-5	Water	08/30/23 16:19	09/01/23 09:18
400-242853-6	MW-6	Water	08/30/23 16:11	09/01/23 09:18
400-242853-7	MW-7	Water	08/30/23 14:46	09/01/23 09:18
400-242853-8	MW-8	Water	08/30/23 14:12	09/01/23 09:18
400-242853-9	MW-9	Water	08/30/23 15:25	09/01/23 09:18
400-242853-10	MW-10	Water	08/30/23 15:49	09/01/23 09:18
400-242853-11	MW-11	Water	08/30/23 15:36	09/01/23 09:18
400-242853-12	DUP-01	Water	08/30/23 12:00	09/01/23 09:18
400-242853-13	TRIP BLANK	Water	08/30/23 12:00	09/01/23 09:18

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-1R

Date Collected: 08/30/23 14:33
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.0		1.0		ug/L			09/07/23 16:11	1
Toluene	50		1.0		ug/L			09/07/23 16:11	1
Ethylbenzene	84		1.0		ug/L			09/07/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*72 - 130*		*09/07/23 16:11*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/07/23 16:11*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*09/07/23 16:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1500		50		ug/L			09/08/23 12:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*72 - 130*		*09/08/23 12:58*	*5*
Dibromofluoromethane	*92*		*75 - 126*		*09/08/23 12:58*	*5*
Toluene-d8 (Surr)	*107*		*64 - 132*		*09/08/23 12:58*	*5*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-2

Date Collected: 08/30/23 15:02
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 16:36	1
Toluene	<1.0		1.0		ug/L			09/07/23 16:36	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 16:36	1
Xylenes, Total	<10		10		ug/L			09/07/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*09/07/23 16:36*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*09/07/23 16:36*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 16:36*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-3

Date Collected: 08/30/23 15:13
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 17:02	1
Toluene	<1.0		1.0		ug/L			09/07/23 17:02	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 17:02	1
Xylenes, Total	<10		10		ug/L			09/07/23 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*121*		*72 - 130*		*09/07/23 17:02*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/07/23 17:02*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*09/07/23 17:02*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-4

Date Collected: 08/30/23 15:59
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 17:27	1
Toluene	<1.0		1.0		ug/L			09/07/23 17:27	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 17:27	1
Xylenes, Total	<10		10		ug/L			09/07/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*09/07/23 17:27*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*09/07/23 17:27*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 17:27*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-5

Date Collected: 08/30/23 16:19
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 17:52	1
Toluene	<1.0		1.0		ug/L			09/07/23 17:52	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 17:52	1
Xylenes, Total	<10		10		ug/L			09/07/23 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*72 - 130*		*09/07/23 17:52*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*09/07/23 17:52*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*09/07/23 17:52*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-6

Date Collected: 08/30/23 16:11
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 18:17	1
Toluene	<1.0		1.0		ug/L			09/07/23 18:17	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 18:17	1
Xylenes, Total	<10		10		ug/L			09/07/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*72 - 130*		*09/07/23 18:17*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*09/07/23 18:17*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*09/07/23 18:17*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-7

Date Collected: 08/30/23 14:46
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 18:42	1
Toluene	<1.0		1.0		ug/L			09/07/23 18:42	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 18:42	1
Xylenes, Total	<10		10		ug/L			09/07/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*09/07/23 18:42*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*09/07/23 18:42*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 18:42*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-8

Date Collected: 08/30/23 14:12
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 19:07	1
Toluene	<1.0		1.0		ug/L			09/07/23 19:07	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 19:07	1
Xylenes, Total	<10		10		ug/L			09/07/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*09/07/23 19:07*	*1*
Dibromofluoromethane	*95*		*75 - 126*		*09/07/23 19:07*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*09/07/23 19:07*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-9

Date Collected: 08/30/23 15:25
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 19:32	1
Toluene	<1.0		1.0		ug/L			09/07/23 19:32	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 19:32	1
Xylenes, Total	<10		10		ug/L			09/07/23 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*72 - 130*		*09/07/23 19:32*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*09/07/23 19:32*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 19:32*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-10

Date Collected: 08/30/23 15:49
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 19:57	1
Toluene	<1.0		1.0		ug/L			09/07/23 19:57	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 19:57	1
Xylenes, Total	<10		10		ug/L			09/07/23 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*72 - 130*		*09/07/23 19:57*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*09/07/23 19:57*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 19:57*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-11

Date Collected: 08/30/23 15:36
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 20:22	1
Toluene	<1.0		1.0		ug/L			09/07/23 20:22	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 20:22	1
Xylenes, Total	<10		10		ug/L			09/07/23 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*09/07/23 20:22*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*09/07/23 20:22*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 20:22*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: DUP-01

Date Collected: 08/30/23 12:00
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 20:48	1
Toluene	<1.0		1.0		ug/L			09/07/23 20:48	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 20:48	1
Xylenes, Total	<10		10		ug/L			09/07/23 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*72 - 130*		*09/07/23 20:48*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*09/07/23 20:48*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 20:48*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: TRIP BLANK

Date Collected: 08/30/23 12:00
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 15:46	1
Toluene	<1.0		1.0		ug/L			09/07/23 15:46	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 15:46	1
Xylenes, Total	<10		10		ug/L			09/07/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*09/07/23 15:46*	*1*
Dibromofluoromethane	*95*		*75 - 126*		*09/07/23 15:46*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/07/23 15:46*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-1R
Date Collected: 08/30/23 14:33
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 16:11	BPO	EET PEN
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	640192	09/08/23 12:58	BPO	EET PEN

Client Sample ID: MW-2
Date Collected: 08/30/23 15:02
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 16:36	BPO	EET PEN

Client Sample ID: MW-3
Date Collected: 08/30/23 15:13
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 17:02	BPO	EET PEN

Client Sample ID: MW-4
Date Collected: 08/30/23 15:59
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 17:27	BPO	EET PEN

Client Sample ID: MW-5
Date Collected: 08/30/23 16:19
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 17:52	BPO	EET PEN

Client Sample ID: MW-6
Date Collected: 08/30/23 16:11
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 18:17	BPO	EET PEN

Client Sample ID: MW-7
Date Collected: 08/30/23 14:46
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 18:42	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Client Sample ID: MW-8
Date Collected: 08/30/23 14:12
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 19:07	BPO	EET PEN

Client Sample ID: MW-9
Date Collected: 08/30/23 15:25
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 19:32	BPO	EET PEN

Client Sample ID: MW-10
Date Collected: 08/30/23 15:49
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 19:57	BPO	EET PEN

Client Sample ID: MW-11
Date Collected: 08/30/23 15:36
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 20:22	BPO	EET PEN

Client Sample ID: DUP-01
Date Collected: 08/30/23 12:00
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 20:48	BPO	EET PEN

Client Sample ID: TRIP BLANK
Date Collected: 08/30/23 12:00
Date Received: 09/01/23 09:18

Lab Sample ID: 400-242853-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 15:46	BPO	EET PEN

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

Lab Sample ID: MB 400-640042/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 11:34	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

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

Lab Sample ID: MB 400-640192/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640192	09/08/23 11:43	BPO	EET PEN

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

Lab Sample ID: LCS 400-640042/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640042	09/07/23 10:22	BPO	EET PEN

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

Lab Sample ID: LCS 400-640192/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	640192	09/08/23 10:32	BPO	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

GC/MS VOA

Analysis Batch: 640042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242853-1	MW-1R	Total/NA	Water	8260D	
400-242853-2	MW-2	Total/NA	Water	8260D	
400-242853-3	MW-3	Total/NA	Water	8260D	
400-242853-4	MW-4	Total/NA	Water	8260D	
400-242853-5	MW-5	Total/NA	Water	8260D	
400-242853-6	MW-6	Total/NA	Water	8260D	
400-242853-7	MW-7	Total/NA	Water	8260D	
400-242853-8	MW-8	Total/NA	Water	8260D	
400-242853-9	MW-9	Total/NA	Water	8260D	
400-242853-10	MW-10	Total/NA	Water	8260D	
400-242853-11	MW-11	Total/NA	Water	8260D	
400-242853-12	DUP-01	Total/NA	Water	8260D	
400-242853-13	TRIP BLANK	Total/NA	Water	8260D	
MB 400-640042/4	Method Blank	Total/NA	Water	8260D	
LCS 400-640042/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 640192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242853-1 - DL	MW-1R	Total/NA	Water	8260D	
MB 400-640192/4	Method Blank	Total/NA	Water	8260D	
LCS 400-640192/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

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

Lab Sample ID: MB 400-640042/4
Matrix: Water
Analysis Batch: 640042

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			09/07/23 11:34	1
Toluene	<1.0		1.0		ug/L			09/07/23 11:34	1
Ethylbenzene	<1.0		1.0		ug/L			09/07/23 11:34	1
Xylenes, Total	<10		10		ug/L			09/07/23 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*09/07/23 11:34*	*1*
Dibromofluoromethane	*92*		*75 - 126*		*09/07/23 11:34*	*1*
Toluene-d8 (Surr)	*108*		*64 - 132*		*09/07/23 11:34*	*1*

Lab Sample ID: LCS 400-640042/1002
Matrix: Water
Analysis Batch: 640042

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	50.3		ug/L		101	70 - 130
Toluene	50.0	51.0		ug/L		102	70 - 130
Ethylbenzene	50.0	53.4		ug/L		107	70 - 130
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*124*		*67 - 134*
4-Bromofluorobenzene	*111*		*72 - 130*
Dibromofluoromethane	*95*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: MB 400-640192/4
Matrix: Water
Analysis Batch: 640192

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<10		10		ug/L			09/08/23 11:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*72 - 130*		*09/08/23 11:43*	*1*
Dibromofluoromethane	*93*		*75 - 126*		*09/08/23 11:43*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*09/08/23 11:43*	*1*

Lab Sample ID: LCS 400-640192/1002
Matrix: Water
Analysis Batch: 640192

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	100	103		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*122*		*67 - 134*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

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

Lab Sample ID: LCS 400-640192/1002
Matrix: Water
Analysis Batch: 640192

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	114		72 - 130
Dibromofluoromethane	98		75 - 126
Toluene-d8 (Surr)	102		64 - 132

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-267

400-242853 COC

Chain of Custody Record

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Client Information	Sampler: Carl Lehman/Scott Stanley	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-122718-41340 1
Client Contact: Joe Wiley	Phone: 470-760-9733/515-664-4602	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1040030			
Email: joe.wiley@kindermorgan.com	WO #: Johnston Federal #6A._ERG_ARF_04-26-2023			
Project Name: Johnston Federal #6A.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
MW-1R	8/30/23	1433	G	Water	N	X		
MW-2	8/30/23	1502	G	Water	N	X		
MW-3	8/30/23	1513	G	Water	N	X		
MW-4	8/30/23	1559	G	Water	N	X		
MW-5	8/30/23	1619	G	Water	N	X		
MW-6	8/30/23	1611	G	Water	N	X		
MW-7	8/30/23	1446	G	Water	N	X		
MW-8	8/30/23	1412	G	Water	N	X		
MW-9	8/30/23	1525	G	Water	N	X		
MW-10	8/30/23	1549	G	Water	N	X		
MW-11	8/30/23	1536	G	Water	N	X		

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Scott Stanley	8/31/2023		BP	9/1/23 918	
2						
3						

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

Cooler Temperature(s) °C and Other Remarks: 4.9°C IR-10

Ver: 06/08/2021

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

Chain of Custody Record

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Client Information	Sampler: Carl Lehman/Scott Stanley	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-122718-41340 3
Client Contact: Joe Wiley	Phone: 470-760-9737/515-664-4602	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1040030			
Email: joe.wiley@kindermorgan.com	WO #: Johnston Federal #6A._ERG_ARF_04-26-2023			
Project Name: Johnston Federal #6A.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
	Preservation Code:					A		
DUP-01	8/30/23	—	G	Water	N	X		
TRIP BLANK	8/30/23		G	Water	N	X		
				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
1	Scott Stanley	8/31/2023		BP	9/1/23 918	
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.4°C IR10

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-242853-1

Login Number: 242853 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4°IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A

Job ID: 400-242853-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	12-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Johnston Federal #6A.00

JOB NUMBER

400-246693-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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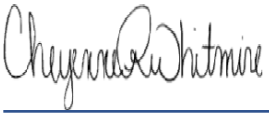
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Authorization



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

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Laboratory Job ID: 400-246693-1

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Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-1R — Lab Sample ID: 400-246693-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	18		1.0		ug/L	1		8260D	Total/NA
Toluene	12		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total	280		10		ug/L	1		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-246693-2

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-246693-3

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 400-246693-4

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-246693-5

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 400-246693-6

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 400-246693-7

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 400-246693-8

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 400-246693-9

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 400-246693-10

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 400-246693-11

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-246693-12

No Detections.

Client Sample ID: TB-01 — Lab Sample ID: 400-246693-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246693-1	MW-1R	Water	11/11/23 14:15	11/14/23 08:56
400-246693-2	MW-2	Water	11/11/23 14:23	11/14/23 08:56
400-246693-3	MW-3	Water	11/11/23 14:28	11/14/23 08:56
400-246693-4	MW-4	Water	11/11/23 14:05	11/14/23 08:56
400-246693-5	MW-5	Water	11/11/23 14:37	11/14/23 08:56
400-246693-6	MW-6	Water	11/11/23 14:45	11/14/23 08:56
400-246693-7	MW-7	Water	11/11/23 14:51	11/14/23 08:56
400-246693-8	MW-8	Water	11/11/23 14:59	11/14/23 08:56
400-246693-9	MW-9	Water	11/11/23 15:05	11/14/23 08:56
400-246693-10	MW-10	Water	11/11/23 15:19	11/14/23 08:56
400-246693-11	MW-11	Water	11/11/23 15:11	11/14/23 08:56
400-246693-12	DUP-01	Water	11/11/23 12:00	11/14/23 08:56
400-246693-13	TB-01	Water	11/11/23 13:00	11/14/23 08:56

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-1R

Date Collected: 11/11/23 14:15
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		1.0		ug/L			11/21/23 12:43	1
Ethylbenzene	18		1.0		ug/L			11/21/23 12:43	1
Toluene	12		1.0		ug/L			11/21/23 12:43	1
Xylenes, Total	280		10		ug/L			11/21/23 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*72 - 130*		*11/21/23 12:43*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/21/23 12:43*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/21/23 12:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-2

Date Collected: 11/11/23 14:23
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 13:10	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 13:10	1
Toluene	<1.0		1.0		ug/L			11/21/23 13:10	1
Xylenes, Total	<10		10		ug/L			11/21/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/21/23 13:10*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*11/21/23 13:10*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/21/23 13:10*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-3

Date Collected: 11/11/23 14:28
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 13:37	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 13:37	1
Toluene	<1.0		1.0		ug/L			11/21/23 13:37	1
Xylenes, Total	<10		10		ug/L			11/21/23 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*11/21/23 13:37*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/21/23 13:37*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/21/23 13:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-4

Date Collected: 11/11/23 14:05
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 14:04	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 14:04	1
Toluene	<1.0		1.0		ug/L			11/21/23 14:04	1
Xylenes, Total	<10		10		ug/L			11/21/23 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/21/23 14:04*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*11/21/23 14:04*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/21/23 14:04*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-5

Date Collected: 11/11/23 14:37
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 17:14	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 17:14	1
Toluene	<1.0		1.0		ug/L			11/21/23 17:14	1
Xylenes, Total	<10		10		ug/L			11/21/23 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*11/21/23 17:14*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*11/21/23 17:14*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/21/23 17:14*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-6

Date Collected: 11/11/23 14:45
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 16:50	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 16:50	1
Toluene	<1.0		1.0		ug/L			11/22/23 16:50	1
Xylenes, Total	<10		10		ug/L			11/22/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/22/23 16:50*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*11/22/23 16:50*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/22/23 16:50*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-7

Date Collected: 11/11/23 14:51
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 17:16	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 17:16	1
Toluene	<1.0		1.0		ug/L			11/22/23 17:16	1
Xylenes, Total	<10		10		ug/L			11/22/23 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/22/23 17:16*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*11/22/23 17:16*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/22/23 17:16*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-8

Date Collected: 11/11/23 14:59
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 18:35	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 18:35	1
Toluene	<1.0		1.0		ug/L			11/21/23 18:35	1
Xylenes, Total	<10		10		ug/L			11/21/23 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/21/23 18:35*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/21/23 18:35*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/21/23 18:35*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-9

Date Collected: 11/11/23 15:05
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 17:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 17:43	1
Toluene	<1.0		1.0		ug/L			11/22/23 17:43	1
Xylenes, Total	<10		10		ug/L			11/22/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/22/23 17:43*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*11/22/23 17:43*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/22/23 17:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-10

Date Collected: 11/11/23 15:19
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-10

Matrix: Water

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

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/22/23 18:10*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*11/22/23 18:10*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/22/23 18:10*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-11

Date Collected: 11/11/23 15:11
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 19:02	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 19:02	1
Toluene	<1.0		1.0		ug/L			11/21/23 19:02	1
Xylenes, Total	<10		10		ug/L			11/21/23 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*72 - 130*		*11/21/23 19:02*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/21/23 19:02*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/21/23 19:02*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: DUP-01

Date Collected: 11/11/23 12:00
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 19:29	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 19:29	1
Toluene	<1.0		1.0		ug/L			11/21/23 19:29	1
Xylenes, Total	<10		10		ug/L			11/21/23 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*11/21/23 19:29*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/21/23 19:29*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/21/23 19:29*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: TB-01

Date Collected: 11/11/23 13:00
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 16:47	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 16:47	1
Toluene	<1.0		1.0		ug/L			11/21/23 16:47	1
Xylenes, Total	<10		10		ug/L			11/21/23 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*11/21/23 16:47*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*11/21/23 16:47*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/21/23 16:47*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-1R
Date Collected: 11/11/23 14:15
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 12:43	BPO	EET PEN

Client Sample ID: MW-2
Date Collected: 11/11/23 14:23
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 13:10	BPO	EET PEN

Client Sample ID: MW-3
Date Collected: 11/11/23 14:28
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 13:37	BPO	EET PEN

Client Sample ID: MW-4
Date Collected: 11/11/23 14:05
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 14:04	BPO	EET PEN

Client Sample ID: MW-5
Date Collected: 11/11/23 14:37
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 17:14	BPO	EET PEN

Client Sample ID: MW-6
Date Collected: 11/11/23 14:45
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 16:50	BPO	EET PEN

Client Sample ID: MW-7
Date Collected: 11/11/23 14:51
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 17:16	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: MW-8
Date Collected: 11/11/23 14:59
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 18:35	BPO	EET PEN

Client Sample ID: MW-9
Date Collected: 11/11/23 15:05
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 17:43	BPO	EET PEN

Client Sample ID: MW-10
Date Collected: 11/11/23 15:19
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 18:10	BPO	EET PEN

Client Sample ID: MW-11
Date Collected: 11/11/23 15:11
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 19:02	BPO	EET PEN

Client Sample ID: DUP-01
Date Collected: 11/11/23 12:00
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 19:29	BPO	EET PEN

Client Sample ID: TB-01
Date Collected: 11/11/23 13:00
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246693-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 16:47	BPO	EET PEN

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

Lab Sample ID: MB 400-651212/3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 12:15	BPO	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-651420/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 11:54	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-651212/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 10:48	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-651420/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651420	11/22/23 09:54	BPO	EET PEN

Client Sample ID: MW-4
Lab Sample ID: 400-246693-4 MS
Date Collected: 11/11/23 14:05
Matrix: Water
Date Received: 11/14/23 08:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 14:58	BPO	EET PEN

Client Sample ID: MW-4
Lab Sample ID: 400-246693-4 MSD
Date Collected: 11/11/23 14:05
Matrix: Water
Date Received: 11/14/23 08:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651212	11/21/23 15:25	BPO	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

GC/MS VOA

Analysis Batch: 651212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246693-1	MW-1R	Total/NA	Water	8260D	
400-246693-2	MW-2	Total/NA	Water	8260D	
400-246693-3	MW-3	Total/NA	Water	8260D	
400-246693-4	MW-4	Total/NA	Water	8260D	
400-246693-5	MW-5	Total/NA	Water	8260D	
400-246693-8	MW-8	Total/NA	Water	8260D	
400-246693-11	MW-11	Total/NA	Water	8260D	
400-246693-12	DUP-01	Total/NA	Water	8260D	
400-246693-13	TB-01	Total/NA	Water	8260D	
MB 400-651212/3	Method Blank	Total/NA	Water	8260D	
LCS 400-651212/1001	Lab Control Sample	Total/NA	Water	8260D	
400-246693-4 MS	MW-4	Total/NA	Water	8260D	
400-246693-4 MSD	MW-4	Total/NA	Water	8260D	

Analysis Batch: 651420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246693-6	MW-6	Total/NA	Water	8260D	
400-246693-7	MW-7	Total/NA	Water	8260D	
400-246693-9	MW-9	Total/NA	Water	8260D	
400-246693-10	MW-10	Total/NA	Water	8260D	
MB 400-651420/3	Method Blank	Total/NA	Water	8260D	
LCS 400-651420/1001	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

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

Lab Sample ID: MB 400-651212/3
Matrix: Water
Analysis Batch: 651212

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 12:15	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 12:15	1
Toluene	<1.0		1.0		ug/L			11/21/23 12:15	1
Xylenes, Total	<10		10		ug/L			11/21/23 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/21/23 12:15*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/21/23 12:15*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/21/23 12:15*	*1*

Lab Sample ID: LCS 400-651212/1001
Matrix: Water
Analysis Batch: 651212

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	49.3		ug/L		99	70 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
o-Xylene	50.0	46.9		ug/L		94	70 - 130
Ethylbenzene	50.0	49.1		ug/L		98	70 - 130
Toluene	50.0	49.8		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*67 - 134*
4-Bromofluorobenzene	*107*		*72 - 130*
Dibromofluoromethane	*108*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: 400-246693-4 MS
Matrix: Water
Analysis Batch: 651212

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<1.0		50.0	43.6		ug/L		87	56 - 142
m-Xylene & p-Xylene	<5.0		50.0	36.8		ug/L		74	57 - 130
o-Xylene	<5.0		50.0	36.2		ug/L		72	61 - 130
Ethylbenzene	<1.0		50.0	37.7		ug/L		75	58 - 131
Toluene	<1.0		50.0	41.4		ug/L		83	65 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*67 - 134*
4-Bromofluorobenzene	*106*		*72 - 130*
Dibromofluoromethane	*109*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #6A.00

Job ID: 400-246693-1

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

Lab Sample ID: 400-246693-4 MSD
Matrix: Water
Analysis Batch: 651212

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	44.0		ug/L		88	56 - 142	1	30
m-Xylene & p-Xylene	<5.0		50.0	38.2		ug/L		76	57 - 130	4	30
o-Xylene	<5.0		50.0	38.0		ug/L		76	61 - 130	5	30
Ethylbenzene	<1.0		50.0	39.1		ug/L		78	58 - 131	4	30
Toluene	<1.0		50.0	42.6		ug/L		85	65 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*67 - 134*
4-Bromofluorobenzene	*106*		*72 - 130*
Dibromofluoromethane	*110*		*75 - 126*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: MB 400-651420/3
Matrix: Water
Analysis Batch: 651420

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 11:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 11:54	1
Toluene	<1.0		1.0		ug/L			11/22/23 11:54	1
Xylenes, Total	<10		10		ug/L			11/22/23 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*11/22/23 11:54*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*11/22/23 11:54*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/22/23 11:54*	*1*

Lab Sample ID: LCS 400-651420/1001
Matrix: Water
Analysis Batch: 651420

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	43.9		ug/L		88	70 - 130
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 130
o-Xylene	50.0	42.8		ug/L		86	70 - 130
Ethylbenzene	50.0	44.0		ug/L		88	70 - 130
Toluene	50.0	44.6		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*67 - 134*
4-Bromofluorobenzene	*107*		*72 - 130*
Dibromofluoromethane	*107*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

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

Chain of Custody Record

eurofins | Environment Testing

400-246693 COC

Client Information	Sampler: SRC/ERB	Lab PM: Whitmire, Cheyenne R	Carrier:	COC No: 400-124037-41340.1
Client Contact: Joe Wiley	Phone: 575-253-0830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2 ERB
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1040030			
Email: joe.wiley@kindermorgan.com	WO #: Johnston Federal 6A_ERG_ARF_10_24_2023_			
Project Name: Johnston Federal #6A.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-1R	11/1/2023	1415	G	Water	N	N	X		
MW-2	11/1/2023	1423	G	Water	N	N	X		
MW-3	11/1/2023	1428	G	Water	N	N	X		
MW-4	11/1/2023	1405	G	Water	N	N	X		
MW-5	11/1/2023	1437	G	Water	N	N	X		
MW-6	11/1/2023	1445	G	Water	N	N	X		
MW-7	11/1/2023	1451	G	Water	N	N	X		
MW-8	11/1/2023	1459	G	Water	N	N	X		
MW-9	11/1/2023	1505	G	Water	N	N	X		
MW-10	11/1/2023	1519	G	Water	N	N	X		
MW-11	11/1/2023	1511	G	Water	N	N	X		

ERB

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tom Beeby	11/13/2023 1250	STN	T. Earnest	11.14.23 0856	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.6°C ERB

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-246693-1

Login Number: 246693 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-246693-1
Project/Site: Johnston Federal #6A.00

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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 327391

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 327391
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Report for Johnston Fed 6A: content satisfactory 1. The site is moving toward abatement closure with constituents almost consistently demonstrating below the WQCC human health standards, except for a hit of xylene in 2023. 2. Continue to conduct groundwater monitoring for the site, until all eight consecutive quarters below WQCC are reached. 3. Continue LNAPL recovery IF present. 4. Submit the 2024 annual report to OCD by April 1, 2025.	8/22/2024