2021 ANNUAL GROUNDWATER REPORT

Johnston Fed #4
Incident Number: nAUTOfAB000305
Meter Code: 70194
T31N, R09W, Sec 27, Unit N

SITE DETAILS

Site Location: Latitude: 36.862800 N, Longitude: -107.771983 W
Land Type: Private/Fee
Operator: Hilcorp Energy

SITE BACKGROUND

Environmental Remediation activities at Johnston Fed #4 (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 Private/Fee land. An initial site assessment was completed in August 1994, and an excavation of 60 cubic yards (cy) to a depth of approximately 12 feet below ground surface (bgs) was completed in September 1994. Monitoring wells were installed in 1995 (MW-1, MW-2, MW-3), 2006 (MW-4, TMW-5), 2013 (MW-6 through MW-12) and 2014 (MW-13 through MW-20). Test wells were installed in 2018 (TW-1, TW-2, and SVE-1) and 2020 (AS-3 through AS-22 and SVE-2 through SVE-8). Temporary monitoring well TMW-5 was plugged and abandoned in 2014. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2. Light non-aqueous-phase liquid (LNAPL) has been observed at the Site and is periodically recovered. Mobile dual-phase extraction (MDPE) events to enhance LNAPL recovery were conducted in 2016 and 2018 to help abate LNAPL. Quarterly LNAPL recovery began in the second quarter of 2020 and has continued through 2021. Currently, groundwater sampling is conducted from selected monitoring wells on a semi-annual basis.

AIR SPARGE AND SOIL VAPOR EXTRACTION PIPING INSTALLATION ACTIVITY

Beginning June 8th through June 18th, 2021, Stantec oversaw the installation of Air Sparge (AS) and Soil Vapor Extraction (SVE) infrastructure at the Site. Halo Services, Inc was contracted to perform the trenching, pipe installation, backfilling, and site restoration. The work proceeded in accordance with the work plan submitted to NMOCD on May 25, 2021 (Work Plan). The NMOCD was also notified of the start of the installation activities (Appendix A).

Field observations and soil screening with a photoionization detector (PID) did not identify suspected petroleum contaminated soil during excavation activities; therefore, native soil was used to backfill around the installed high density polyethylene piping and no soil sampling was conducted. Groundwater was not encountered during trenching and trenching also did not uncover any former production structures requiring removal. As a result, there were no significant deviations from the scope of work proposed in the Work Plan. Daily Report Forms summarizing the work performed each day are included as Appendix B. A photolog showing construction details, the progression of the work, and the final site condition is provided in Appendix C. The final configuration of the remediation piping and other improvements is depicted on Figure 3.

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GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via electronic mail (email) to the NMOCD on May 12, 2021 and November 3, 2021, prior to initiating groundwater sampling activities at the Site. Copies of the 2021 NMOCD notifications are provided in Appendix A.

Groundwater monitoring and sampling was completed on May 18 and November 15, 2021. Water levels were gauged at monitoring wells MW-1 through MW-4, and MW-6 through MW-23, during both events. During both sampling events, monitoring wells MW-6, MW-9, MW-13, MW-15 through MW-20, and MW-23 were sampled. Groundwater samples were collected from selected monitoring wells using HydraSleeve no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the well screen.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins TestAmerica Laboratories, Inc. (Eurofins), in Pensacola, Florida, where they were analyzed for BTEX using EPA Method 8260. One laboratory-supplied trip blank and at least one blind field duplicate were also collected during each groundwater sampling event.

The unused sample water was combined in a waste container and transported to Basin in Bloomfield, New Mexico for disposal. Waste disposal documentation is included in Appendix D.

LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities beginning in the second calendar quarter of 2020. Documentation of NMOCD notification of site activities is provided in Appendix A.

LNAPL was observed and recovered in monitoring wells MW-3, MW-7, MW-8, MW-21, and MW-22 during all four events in 2021. In May 2021 LNAPL was also observed in MW-1.

The LNAPL recovery data is summarized on Table 1. During the groundwater sampling site visits in May and November, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the March and August site visits was also transported for disposal at Basin (Appendix D).

SUMMARY TABLES

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

SITE MAPS

Groundwater analytical maps (Figures 4 and 6) and groundwater elevation contour maps (Figures 5and 7) summarize results of the 2021 groundwater sampling and gauging events.

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ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix E.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the east-southeast during 2021 (see Figures 5 and 7).
- LNAPL was observed in MW-3, MW-7, MW-8, MW-21, and MW-22 in 2021; therefore, no groundwater samples were collected at these locations. During the May 2021 event, LNAPL also was observed at MW-1 and no groundwater sample was collected.

  One or more groundwater samples collected in 2021 from MW-9, MW-13, MW-15, MW-16, MW-19, and MW-20 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Concentrations of benzene in the remaining samples collected from site monitoring wells in 2021 were either below the NMWQCC standard or were not detected.
- Concentrations of toluene in the samples collected from site monitoring wells in 2021 were either below the NMWQCC standard (750 µg/L) or were not detected.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in the site monitoring wells sampled in 2021.
- Concentrations of total xylenes in the samples collected from site monitoring wells in 2021 were either below the NMWQCC standard (620 µg/L) or were not detected.
- A field duplicate was collected from monitoring well MW-18 in May 2021 and from MW-19 and MW-6 in November 2021. The relative percent difference for benzene, toluene, and total xylenes in the May 2021 primary/duplicate pair collected from MW-18 was greater than 50%. A review of the laboratory analytical report and field notes did not reveal a potential cause of this discrepancy in results, and there have not been field duplicates collected from this well in the past. Field staff will continue to collect field duplicates from MW-18 to evaluate this location. There were no significant differences between the primary and duplicate samples collected in November 2021.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2021 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

Groundwater monitoring events will be conducted on a semi-annual basis, utilizing a selection of site monitoring wells which provides an adequate representation of site conditions. Groundwater samples will be collected from key monitoring wells not containing LNAPL on a semi-annual basis and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event. Sampling of all site monitoring wells is to be conducted in the fourth calendar quarter of 2022.

Installation of an AS/SVE system is contingent on obtaining a power source for the system, which is being coordinated with the site operator, and upgrades to remediation system equipment being completed

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for EPCGP at another location. Once a power source agreement has been finalized and remediation system upgrades have been completed, a work plan for the installation and start-up of the AS/SVE system will be prepared and submitted under separate cover.

Until the AS/SVE remediation system is operating, manual recovery of LNAPL will continue on a quarterly basis from monitoring wells where measurable LNAPL is present.

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

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TABLES

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY
Johnston Federal #4

Well ID - MW-1	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
4/16/2016	51.61	51.68	0.07	0.01	<0.01	manual
5/25/2016	51.58	51.61	0.03	0	0	No Recovery
10/12/2016	51.71	51.73	0.02	<0.01	<0.01	manual
12/13/2016	51.80	51.81	0.01	<0.01	<0.01	manual
6/9/2017	51.76	51.78	0.02	<0.01	<0.01	manual
7/15/2017	51.85	51.87	0.02	15.6	790	MDPE*
11/12/2017	51.85	51.86	0.01	<0.01	<0.01	manual
5/16/2018	51.83	51.97	0.14	0.02	NR	manual
7/15/2018	51.64	51.75	0.11	19.7	285	MDPE*
5/22/2019	51.85	51.96	0.11	<0.01	NR	manual
11/12/2019	51.93	51.95	0.02	0.01	<0.01	manual
5/17/2020	52.03	52.05	0.02	<0.01	<0.01	manual
8/19/2020	52.10	52.11	0.01	<0.01	0.2	manual
11/13/2020	52.14	52.15	0.01	<0.01	0.1	manual
5/18/2021	52.23	52.24	0.01	<0.01	0.1	manual
8/22/2021	ND	52.23	0.00	0.00	0.05	manual
			Total:	35.3	1075	

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY
Johnston Federal #4

Well ID - MW-3	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
4/16/2016	51.20	51.90	0.70	0.83	<0.01	manual
5/25/2016	51.26	51.61	0.35	0.20	<0.01	manual
6/20/2016	NM	NM	0.22	0.20	0.01	manual
7/22/2016	NM	NM	0.22	0.11	0.01	manual
11/15/2016	51.70	51.71	0.01	<0.01	<0.01	manual
11/30/2016	51.58	51.79	0.21	5.9	168	MDPE*
6/9/2017	51.50	51.52	0.02	<0.01	<0.01	manual
7/15/2017	ND	51.77	ND	7.1	760	MDPE*
11/12/2017	51.54	51.55	0.01	<0.01	<0.01	manual
5/16/2018	51.47	52.05	0.58	0.22	NR	manual
7/15/2018	ND	51.77	ND	15.5	709	MDPE*
5/22/2019	51.79	52.02	0.23	0.03	NR	manual
11/12/2019	51.84	51.89	0.05	0.07	0.18	manual
5/17/2020	51.96	52.12	0.16	0.11	0.66	manual
8/19/2020	52.04	52.14	0.10	0.03	1.02	manual
11/13/2020	52.10	52.12	0.02	<0.01	0.1	manual
3/18/2021	52.19	52.26	0.07	0.03	0.48	manual
5/18/2021	52.21	52.25	0.04	0.02	0.13	manual
8/22/2021	52.23	52.27	0.04	<0.01	0.21	manual
11/15/2021	52.27	52.32	0.05	<0.01	0.53	manual
			Total:	30.4	1640	

Well ID - MW-7	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
5/16/2018	50.98	51.86	0.88	0.33	NR	manual
7/15/2018	51.03	51.82	0.79	16.0	310	MDPE*
10/26/2018	51.13	51.14	0.01	<0.01	0.13	manual
5/22/2019	51.29	51.82	0.53	0.09	NR	manual
11/12/2019	51.28	52.08	0.80	0.26	0.29	manual
5/15/2020	51.33	52.21	0.88	0.39	0.48	manual
8/19/2020	51.42	52.30	0.88	0.31	1.2	manual
11/13/2020	51.43	52.34	0.91	0.28	1.1	manual
3/18/2021	51.20	51.53	0.33	0.23	0.55	manual
5/18/2021	51.52	52.41	0.89	0.25	0.17	manual
8/22/2021	51.72	52.03	0.31	0.03	0.5	manual
11/15/2021	51.80	51.94	0.14	0.01	0.85	manual
			Total:	18.2	315	

TABLE 1
LNAPL Recovery Summary
Johnston Federal #4

Well ID - MW-8	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
4/16/2016	50.68	51.44	0.76	0.55	<0.01	manual
4/20/2016	50.71	51.42	0.71	0.33	0.01	manual
5/25/2016	50.68	51.43	0.75	0.21	<0.01	manual
6/20/2016	NM	NM	0.25	0.23	0.01	manual
7/22/2016	NM	NM	0.41	0.29	0.01	manual
8/17/2016	NM	NM	0.65	0.27	<0.01	manual
10/12/2016	50.81	51.52	0.71	0.32	0.03	manual
11/15/2016	51.00	51.60	0.60	0.33	0.02	manual
11/30/2016	50.89	51.49	0.60	13.2	798	MDPE*
12/13/2016	NM	NM	0.01	<0.01	<0.01	manual
6/9/2017	51.01	51.11	0.10	<0.01	<0.01	manual
7/15/2017	50.68	52.28	1.60	46.5	2596	MDPE*
7/18/2017	51.15	51.71	0.56	44.4	3231	MDPE*
11/12/2017	50.78	50.82	0.04	<0.01	<0.01	manual
5/16/2018	50.90	51.83	0.93	0.53	NR	manual
7/15/2018	51.13	52.51	1.38	39.0	1521	MDPE*
5/22/2019	51.09	52.12	1.03	0.36	NR	manual
11/12/2019	51.15	52.74	1.59	0.48	0.26	manual
5/17/2020	51.23	52.41	1.18	0.82	0.52	manual
8/19/2020	51.30	52.53	1.23	0.77	1.23	manual
11/13/2020	51.36	52.53	1.17	0.69	1.1	manual
3/18/2021	51.20	51.80	0.60	0.42	0.16	manual
5/18/2021	51.60	51.98	0.38	0.04	0.06	manual
8/22/2021	51.55	52.39	0.84	0.35	0.24	manual
11/15/2021	51.59	52.44	0.85	0.43	0.53	manual
			Total:	150.5	8150	

TABLE 1
LNAPL Recovery Summary
Johnston Federal #4

Well ID - MW-11	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
4/16/2016	51.51	51.80	0.29	0.45	<0.01	manual
5/25/2016	51.26	51.61	0.35	0.08	0.13	manual
6/20/2016	NM	NM	0.02	0.07	<0.01	manual
7/22/2016	NM	NM	0.22	0.16	0.01	manual
10/12/2016	51.68	51.80	0.12	0.03	<0.01	manual
11/15/2016	51.80	51.81	0.01	<0.01	<0.01	manual
12/13/2016	51.80	51.83	0.03	<0.01	<0.01	manual
6/9/2017	51.22	53.24	2.02	4.0	<0.01	manual
7/16/2017	51.29	53.13	1.84	29.2	464	MDPE*
11/12/2017	51.52	51.54	0.02	<0.01	<0.01	manual
5/16/2018	51.70	52.04	0.34	0.55	NR	manual
7/15/2018	51.82	52.52	0.70	64.3	350	MDPE*
5/22/2019	51.89	52.23	0.34	<0.01	NR	manual
11/12/2019	51.94	52.53	0.59	0.34	0.32	manual
5/17/2020	52.02	52.79	0.77	0.42	0.50	manual
8/19/2020	52.27	52.35	0.08	0.06	0.62	manual
11/13/2020	52.32	52.33	0.01	<0.01	0.1	manual
8/22/2021	52.45	52.45	<0.01	0.00	0.03	manual
			Total:	99.7	816	

Table 1
LNAPL Recovery Summary
Johnston Federal #4

Well ID - MW-21	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
11/13/2020	50.10	50.55	0.45	0.59	0.04	manual
3/18/2021	50.18	50.50	0.32	0.41	0.33	manual
5/18/2021	50.21	51.16	0.95	0.95	0.35	manual
8/22/2021	50.25	51.25	1.00	0.89	0.69	manual
11/15/2021	50.24	51.38	1.14	1.11	1.01	manual
			Total:	4.0	2.42	

Well ID - MW-22						
Date						
5/17/2020	49.57	49.58	0.01	<0.01	0.03	manual
8/19/2020	49.55	49.94	0.39	0.03	0.41	manual
11/13/2020	49.79	49.95	0.16	0.05	0.03	manual
3/18/2021	49.80	50.00	0.20	0.05	0.29	manual
5/18/2021	49.65	50.09	0.44	0.04	0.04	manual
8/22/2021	49.72	50.10	0.38	0.05	0.48	manual
11/15/2021	49.77	50.08	0.31	0.02	0.34	manual
			Total:	0.2	1.6	

Notes:
NM = Not Measured. Measured thickness was obtained by measuring the thickness within a bailer.
ND = Not Detected.
* = Includes calculated recovered hydrocarbon vapors.
NR = Data not recorded
gal = gallons
LNAPL = Light non-aqueous phase liquid
LNAPL recovery data for 2015 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	08/08/95	590	2040	137	1764
MW-1	01/04/96	7380	20900	1480	14600
MW-1	12/17/96	762	1930	107	1270
MW-1	03/06/97	483	1110	66.1	678
MW-1	06/22/01	NS	NS	NS	NS
MW-1	09/04/01	NS	NS	NS	NS
MW-1	03/04/02	NS	NS	NS	NS
MW-1	06/03/02	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	06/23/05	NS	NS	NS	NS
MW-1	09/20/05	NS	NS	NS	NS
MW-1	12/14/05	NS	NS	NS	NS
MW-1	12/15/05	NS	NS	NS	NS
MW-1	03/27/06	NS	NS	NS	NS
MW-1	06/07/06	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	03/03/09	NS	NS	NS	NS
MW-1	06/09/09	1630	3000	268	3880
MW-1	08/28/09	NS	NS	NS	NS
MW-1	11/04/09	NS	NS	NS	NS
MW-1	02/11/10	NS	NS	NS	NS
MW-1	06/07/10	1630	3130	213	3840
MW-1	09/24/10	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/02/10	NS	NS	NS	NS
MW-1	02/07/11	NS	NS	NS	NS
MW-1	05/10/11	1000	1710	206	2400
MW-1	09/23/11	NS	NS	NS	NS
MW-1	11/01/11	NS	NS	NS	NS
MW-1	02/21/12	NS	NS	NS	NS
MW-1	05/14/12	1200	2170	152	2580
MW-1	06/09/13	3900	14000	610	10000
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	05/29/15	1600	4000	220	2400
MW-1	11/23/15	NS	NS	NS	NS
MW-1	04/16/16	NS	NS	NS	NS
MW-1	10/12/16	NS	NS	NS	NS
MW-1	06/09/17	NS	NS	NS	NS
MW-1	11/12/17	NS	NS	NS	NS
MW-1	05/16/18	NS	NS	NS	NS
MW-1	07/15/18	NS	NS	NS	NS
MW-1	10/26/18	NS	NS	NS	NS
MW-1	05/22/19	NS	NS	NS	NS
MW-1	11/12/19	NS	NS	NS	NS
MW-1	05/17/20	NS	NS	NS	NS
MW-1	11/13/20	NS	NS	NS	NS
MW-1	05/18/21	NS	NS	NS	NS
MW-1	11/15/21	NS	NS	NS	NS
MW-2	01/04/96	1104	5107	479	4640
MW-2	12/17/96	5900	8970	197	4670
MW-2	03/06/97	4500	6480	236	4920
MW-2	06/22/01	2800	180	41	140
MW-2	09/04/01	NS	NS	NS	NS
MW-2	06/03/02	370	11	24	18
MW-2	09/10/02	NS	NS	NS	NS
MW-2	12/12/02	NS	NS	NS	NS
MW-2	06/18/03	186	<5	34.9	16.8
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	88.9	24	32.9	15.2
MW-2	09/22/04	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	12/21/04	NS	NS	NS	NS
MW-2	03/23/05	NS	NS	NS	NS
MW-2	06/23/05	283	9.4	27.7	64.5
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	06/07/06	92.1	18.4	4.4	5.9
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	06/19/07	83	<1	7.3	7.2
MW-2	09/17/07	NS	NS	NS	NS
MW-2	12/17/07	NS	NS	NS	NS
MW-2	03/10/08	NS	NS	NS	NS
MW-2	06/17/08	201	4.2	16.6	17.9
MW-2	09/10/08	NS	NS	NS	NS
MW-2	12/02/08	NS	NS	NS	NS
MW-2	03/03/09	NS	NS	NS	NS
MW-2	06/04/09	NS	NS	NS	NS
MW-2	06/09/09	18.5	0.82 J	2.8	6.9
MW-2	08/28/09	NS	NS	NS	NS
MW-2	11/04/09	NS	NS	NS	NS
MW-2	02/11/10	NS	NS	NS	NS
MW-2	06/07/10	5.6	0.99 J	<2	<6
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	05/10/11	5.3	1.2	0.046 J	J2.3
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	7.2	1.4	0.56 J	2.7 J
MW-2	06/09/13	1.8	<0.30	<0.20	<0.23
MW-2	09/09/13	1.7	<0.30	<0.20	<0.23
MW-2	12/12/13	1.5 J	<0.38	<0.20	0.80 J
MW-2	04/02/14	540	36	230	1500
MW-2	10/23/14	0.74 J	<0.70	<0.50	<1.6
MW-2	05/29/15	0.63 J	<5.0	<1.0	2.6 J
MW-2	11/23/15	<1.0	<1.0	<1.0	<3.0
MW-2	04/16/16	NS	NS	NS	NS
MW-2	10/12/16	NS	NS	NS	NS
MW-2	06/09/17	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	11/12/17	NS	NS	NS	NS
MW-2	05/16/18	NS	NS	NS	NS
MW-2	10/26/18	2.5	<1.0	<1.0	<10
MW-2	05/22/19	NS	NS	NS	NS
MW-2	11/12/19	NS	NS	NS	NS
MW-2	05/17/20	NS	NS	NS	NS
MW-2	11/13/20	42	1.3	<1.0	<10
MW-2	11/15/21	NS	NS	NS	NS
MW-3	03/19/96	3660	5410	436	3730
MW-3	12/17/96	3910	8210	530	5020
MW-3	03/06/97	6670	12700	759	7020
MW-3	06/22/01	NS	NS	NS	NS
MW-3	09/04/01	NS	NS	NS	NS
MW-3	03/04/02	NS	NS	NS	NS
MW-3	06/03/02	NS	NS	NS	NS
MW-3	09/10/02	NS	NS	NS	NS
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	06/23/05	NS	NS	NS	NS
MW-3	09/20/05	NS	NS	NS	NS
MW-3	12/14/05	NS	NS	NS	NS
MW-3	12/15/05	NS	NS	NS	NS
MW-3	03/27/06	NS	NS	NS	NS
MW-3	06/07/06	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

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
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	03/03/09	NS	NS	NS	NS
MW-3	06/09/09	6100	8700	627	6630
MW-3	08/28/09	NS	NS	NS	NS
MW-3	11/04/09	NS	NS	NS	NS
MW-3	02/11/10	NS	NS	NS	NS
MW-3	06/07/10	7440	10800	578	7170
MW-3	09/24/10	NS	NS	NS	NS
MW-3	11/02/10	NS	NS	NS	NS
MW-3	02/07/11	NS	NS	NS	NS
MW-3	05/10/11	4180	4990	421	3780
MW-3	09/23/11	NS	NS	NS	NS
MW-3	11/01/11	NS	NS	NS	NS
MW-3	02/21/12	NS	NS	NS	NS
MW-3	05/14/12	8100	15800	1040	11100
MW-3	06/09/13	5100	12000	870	11000
MW-3	09/09/13	NS	NS	NS	NS
MW-3	12/12/13	NS	NS	NS	NS
MW-3	04/02/14	NS	NS	NS	NS
MW-3	10/23/14	NS	NS	NS	NS
MW-3	05/29/15	NS	NS	NS	NS
MW-3	11/23/15	NS	NS	NS	NS
MW-3	04/16/16	NS	NS	NS	NS
MW-3	10/12/16	NS	NS	NS	NS
MW-3	06/09/17	NS	NS	NS	NS
MW-3	11/12/17	NS	NS	NS	NS
MW-3	05/16/18	NS	NS	NS	NS
MW-3	07/15/18	NS	NS	NS	NS
MW-3	10/26/18	NS	NS	NS	NS
MW-3	05/22/19	NS	NS	NS	NS
MW-3	11/12/19	NS	NS	NS	NS
MW-3	05/17/20	NS	NS	NS	NS
MW-3	11/13/20	NS	NS	NS	NS
MW-3	05/18/21	NS	NS	NS	NS
MW-3	11/15/21	NS	NS	NS	NS
MW-4	12/07/06	NS	NS	NS	NS
MW-4	03/28/07	NS	NS	NS	NS
MW-4	06/19/07	<1	<1	<1	<2
MW-4	09/17/07	NS	NS	NS	NS
MW-4	12/17/07	NS	NS	NS	NS
MW-4	03/10/08	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	06/17/08	<1	<1	<1	<2
MW-4	09/10/08	NS	NS	NS	NS
MW-4	12/02/08	NS	NS	NS	NS
MW-4	03/03/09	NS	NS	NS	NS
MW-4	06/09/09	<1	0.47 J	<1	0.77 J
MW-4	08/28/09	NS	NS	NS	NS
MW-4	11/04/09	NS	NS	NS	NS
MW-4	02/11/10	NS	NS	NS	NS
MW-4	06/07/10	<2	<2	<2	<6
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	05/10/11	<1	<1	<1	<3
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	0.41 J	0.36 J	0.33 J	<1
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	<0.38	<0.20	<0.65
MW-4	04/02/14	<0.20	<0.38	<0.20	<0.65
MW-4	10/23/14	<0.38	<0.70	<0.50	<1.6
MW-4	05/29/15	<1.0	1.3 J	<1.0	<5.0
MW-4	11/23/15	<1.0	<1.0	<1.0	<3.0
MW-4	04/16/16	NS	NS	NS	NS
MW-4	10/12/16	NS	NS	NS	NS
MW-4	06/09/17	NS	NS	NS	NS
MW-4	11/12/17	NS	NS	NS	NS
MW-4	05/16/18	NS	NS	NS	NS
MW-4	10/26/18	<1.0	<1.0	<1.0	<10
MW-4	05/22/19	NS	NS	NS	NS
MW-4	11/12/19	NS	NS	NS	NS
MW-4	05/17/20	NS	NS	NS	NS
MW-4	11/13/20	<1.0	<1.0	<1.0	<10
MW-4	05/18/21	NS	NS	NS	NS
MW-4	11/15/21	NS	NS	NS	NS
TMW-5	12/07/06	NS	NS	NS	NS
TMW-5	03/28/07	NS	NS	NS	NS
TMW-5	06/19/07	2730	7.6	680	1160
TMW-5	09/17/07	NS	NS	NS	NS
TMW-5	12/17/07	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
TMW-5	03/10/08	NS	NS	NS	NS
TMW-5	06/17/08	3190	217	651	1220
TMW-5	09/10/08	NS	NS	NS	NS
TMW-5	12/02/08	NS	NS	NS	NS
TMW-5	03/03/09	NS	NS	NS	NS
TMW-5	06/09/09	1540	285	568	784
TMW-5	08/28/09	NS	NS	NS	NS
TMW-5	11/04/09	NS	NS	NS	NS
TMW-5	02/11/10	NS	NS	NS	NS
TMW-5	06/07/10	1970	207	591	746
TMW-5	09/24/10	NS	NS	NS	NS
TMW-5	11/02/10	NS	NS	NS	NS
TMW-5	02/07/11	NS	NS	NS	NS
TMW-5	05/10/11	3730	124	459	221
TMW-5	09/23/11	NS	NS	NS	NS
TMW-5	11/01/11	NS	NS	NS	NS
TMW-5	02/21/12	NS	NS	NS	NS
TMW-5	05/14/12	6180	52.6	614	243
TMW-5	06/09/13	6400	210	400	180
TMW-5	09/09/13	5600	26	470	100
TMW-5	12/12/13	3900	29 J	400	120
TMW-5	04/02/14	4900	770	510	630
TMW-5	Well abandoned 8/11/2014				
MW-6	12/12/13	NS	NS	NS	NS
MW-6	04/02/14	NS	NS	NS	NS
MW-6	10/23/14	230	3.3	420	120
MW-6	05/29/15	130	4.8 J	210	86
MW-6	11/23/15	330	21	260	84
MW-6	04/16/16	49	52	140	40
MW-6	10/12/16	77	25	17	<5.0
MW-6	06/09/17	36	<5.0	<1.0	15
MW-6	11/12/17	66	20	9.5	83
MW-6	05/16/18	17	2.8	<1.0	<10
MW-6	10/26/18	110	1.9	4.0	26
MW-6	05/22/19	33	<1.0	<1.0	<10
MW-6	11/12/19	15	<1.0	<1.0	<2.0
DUP-1(MW-6)*	11/12/19	15	<1.0	<1.0	<2.0
MW-6	05/17/20	7.8	<1.0	<1.0	<10
MW-6	11/13/20	8.9	<1.0	<1.0	<10
MW-6	05/18/21	4.2	<0.41	<0.50	<1.6
MW-6	11/15/21	1.5	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-1(MW-6)*	11/15/21	1.3	<1.0	<1.0	<10
MW-7	12/12/13	120	110	49 J	490
MW-7	04/02/14	3.5	3.6	4	<0.65
MW-7	10/23/14	4.6	<0.70	2.8	<1.6
MW-7	05/29/15	<1.0	<5.0	<1.0	<5.0
MW-7	11/23/15	<1.0	<1.0	<1.0	<3.0
MW-7	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-7	10/12/16	<1.0	<5.0	<1.0	<5.0
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	NS	NS	NS	NS
MW-7	07/15/18	NS	NS	NS	NS
MW-7	10/26/18	NS	NS	NS	NS
MW-7	05/22/19	NS	NS	NS	NS
MW-7	11/12/19	NS	NS	NS	NS
MW-7	05/17/20	NS	NS	NS	NS
MW-7	11/13/20	NS	NS	NS	NS
MW-7	05/18/21	NS	NS	NS	NS
MW-7	11/15/21	NS	NS	NS	NS
MW-8	12/12/13	NS	NS	NS	NS
MW-8	04/02/14	NS	NS	NS	NS
MW-8	10/23/14	NS	NS	NS	NS
MW-8	05/29/15	NS	NS	NS	NS
MW-8	11/23/15	NS	NS	NS	NS
MW-8	04/16/16	NS	NS	NS	NS
MW-8	10/12/16	NS	NS	NS	NS
MW-8	06/09/17	NS	NS	NS	NS
MW-8	11/12/17	NS	NS	NS	NS
MW-8	05/16/18	NS	NS	NS	NS
MW-8	07/15/18	NS	NS	NS	NS
MW-8	10/26/18	NS	NS	NS	NS
MW-8	05/22/19	NS	NS	NS	NS
MW-8	11/12/19	NS	NS	NS	NS
MW-8	05/17/20	NS	NS	NS	NS
MW-8	11/13/20	NS	NS	NS	NS
MW-8	05/18/21	NS	NS	NS	NS
MW-8	11/15/21	NS	NS	NS	NS
MW-9	12/12/13	180	310	46	430
MW-9	04/02/14	230	27	140	810

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	10/23/14	10	1.6	9.4	2.9 J
MW-9	05/29/15	15	8.4 J	6	21
MW-9	11/23/15	9	2.8	<1.0	<3.0
MW-9	04/16/16	29	24	4.3	8.3
MW-9	10/12/16	1	8.7	<1.0	<5.0
MW-9	06/09/17	29	11	<1.0	5.4
MW-9	11/12/17	130	42	2.1	10
MW-9	05/16/18	1400	250	20	130
MW-9	10/26/18	600	130	9.5	67
MW-9	05/22/19	1800	120	38	240
MW-9	11/12/19	29	1.3	<1.0	3.0
MW-9	05/17/20	3300	110	70	450.0
MW-9	11/13/20	240	<2.0	6.1	35.0
MW-9	05/18/21	15	<0.41	<0.50	1.7 J
MW-9	11/15/21	8.9	<1.0	<1.0	<10
MW-10	12/12/13	1200	3500	300	3200
MW-10	04/02/14	4.3	7	<0.20	13
MW-10	10/23/14	93	1.3	87	50
MW-10	05/29/15	130	8.5	31	13
MW-10	11/23/15	120	20	8.8	11
MW-10	04/16/16	NS	NS	NS	NS
MW-10	10/12/16	NS	NS	NS	NS
MW-10	06/09/17	NS	NS	NS	NS
MW-10	11/12/17	NS	NS	NS	NS
MW-10	05/16/18	NS	NS	NS	NS
MW-10	10/26/18	210	13	2.2	<10
MW-10	05/22/19	NS	NS	NS	NS
MW-10	11/12/19	NS	NS	NS	NS
MW-10	05/17/20	NS	NS	NS	NS
MW-10	11/13/20	2700	<20	53	<200
MW-10	05/18/21	NS	NS	NS	NS
MW-10	11/15/21	NS	NS	NS	NS
MW-11	12/12/13	NS	NS	NS	NS
MW-11	04/02/14	NS	NS	NS	NS
MW-11	10/23/14	NS	NS	NS	NS
MW-11	05/29/15	NS	NS	NS	NS
MW-11	11/23/15	NS	NS	NS	NS
MW-11	04/16/16	NS	NS	NS	NS
MW-11	10/12/16	NS	NS	NS	NS
MW-11	06/09/17	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-11	11/12/17	NS	NS	NS	NS
MW-11	05/16/18	NS	NS	NS	NS
MW-11	07/15/18	NS	NS	NS	NS
MW-11	10/26/18	NS	NS	NS	NS
MW-11	05/22/19	NS	NS	NS	NS
MW-11	11/12/19	NS	NS	NS	NS
MW-11	05/17/20	NS	NS	NS	NS
MW-11	11/13/20	NS	NS	NS	NS
MW-11	05/18/21	NS	NS	NS	NS
MW-11	11/15/21	NS	NS	NS	NS
MW-12	12/12/13	<0.14	<0.30	<0.20	0.39 J
MW-12	04/02/14	<0.20	0.54 J	<0.20	<0.65
MW-12	10/23/14	0.71 J	<0.70	0.59 J	<1.6
MW-12	05/29/15	<1.0	<5.0	<1.0	<5.0
MW-12	11/23/15	<1.0	<1.0	<1.0	<3.0
MW-12	04/16/16	NS	NS	NS	NS
MW-12	10/12/16	NS	NS	NS	NS
MW-12	06/09/17	NS	NS	NS	NS
MW-12	11/12/17	NS	NS	NS	NS
MW-12	05/16/18	NS	NS	NS	NS
MW-12	10/26/18	<1.0	<1.0	<1.0	<10
MW-12	05/22/19	NS	NS	NS	NS
MW-12	11/12/19	NS	NS	NS	NS
MW-12	05/17/20	NS	NS	NS	NS
MW-12	11/13/20	<1.0	<1.0	<1.0	<10
MW-12	05/18/21	NS	NS	NS	NS
MW-12	11/15/21	NS	NS	NS	NS
MW-13	10/23/14	710	2	7.8	21
MW-13	05/29/15	6.1	<5.0	0.81 J	2.4 J
MW-13	11/23/15	3.7	<1.0	<1.0	<3.0
MW-13	04/16/16	1.6	<5.0	<1.0	<5.0
MW-13	10/12/16	1.8	<5.0	<1.0	<5.0
MW-13	06/09/17	3.4	<5.0	<1.0	<5.0
MW-13	11/12/17	<1.0	<1.0	<1.0	<10
MW-13	05/16/18	43	<1.0	<1.0	<10
MW-13	10/26/18	11	<1.0	<1.0	<10
MW-13	05/22/19	24	<1.0	<1.0	<10
MW-13	11/12/19	<1.0	<1.0	<1.0	<2.0
MW-13	05/17/20	360	<2.0	3.6	<20
MW-13	11/13/20	11	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-13	05/18/21	560	<0.82	5.9	16 J
MW-13	11/15/21	1.6	<1.0	<1.0	<10
MW-14	10/23/14	<0.38	<0.70	<0.50	<1.6
MW-14	05/29/15	<1.0	<5.0	<1.0	<5.0
MW-14	11/23/15	<1.0	<1.0	<1.0	<3.0
MW-14	04/16/16	NS	NS	NS	NS
MW-14	10/12/16	NS	NS	NS	NS
MW-14	06/09/17	NS	NS	NS	NS
MW-14	11/12/17	NS	NS	NS	NS
MW-14	05/16/18	NS	NS	NS	NS
MW-14	10/26/18	9.4	<1.0	<1.0	<10
MW-14	05/22/19	NS	NS	NS	NS
MW-14	11/12/19	NS	NS	NS	NS
MW-14	05/17/20	41	<1.0	<1.0	<10
MW-14	11/13/20	12	<1.0	<1.0	<10
MW-14	05/18/21	NS	NS	NS	NS
MW-14	11/15/21	NS	NS	NS	NS
MW-15	10/23/14	61	1	18	120
MW-15	05/29/15	3200	1500	410	1700
MW-15	11/23/15	180	19	19	24
MW-15	04/16/16	5.8	9.5	<1.0	8.5
MW-15	10/12/16	8.3	7.6	<1.0	6.2
MW-15	06/09/17	19	<5.0	3	15
MW-15	11/12/17	1100	180	71	290
MW-15	05/16/18	980	190	32	190
MW-15	10/26/18	140	33	3.5	23
DUP-01(MW-15)*	10/26/18	150	32	3.0	21
MW-15	05/22/19	25	4.3	<1.0	<10
MW-15	11/12/19	210	26	8.9	70
MW-15	05/17/20	99	9.7	1.9	18
MW-15	11/13/20	20	<1.0	<1.0	<10
MW-15	05/18/21	42	1.2	0.83 J	6.9 J
MW-15	11/15/21	120	12	3.7	30
MW-16	10/23/14	0.93 J	<0.70	<0.50	3.4 J
MW-16	05/29/15	54	15	22	24
MW-16	11/23/15	4.2	1.1	2.3	<3.0
MW-16	04/16/16	590	120	140	430
MW-16	10/12/16	<1.0	<5.0	<1.0	<5.0
MW-16	06/09/17	<1.0	<5.0	<1.0	<5.0

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-16	11/12/17	29	2.3	2.8	14
MW-16	05/16/18	36	15	1.8	16
DP-01(MW-16)*	05/16/18	30	11	1.2	11
MW-16	10/26/18	9.2	<1.0	<1.0	<10
MW-16	05/22/19	12	<1.0	<1.0	<10
MW-16	11/12/19	9.7	<1.0	<1.0	<2.0
MW-16	05/17/20	12	<1.0	<1.0	<10
MW-16	11/13/20	2.7	<1.0	<1.0	<10
MW-16	05/18/21	5.3	<0.41	<0.50	<1.6
MW-16	11/15/21	150	<1.0	5.4	<10
MW-17	10/23/14	3	<0.70	1.5	4.6 J
MW-17	05/29/15	6.7	0.98 J	3.4	16
MW-17	11/23/15	14	<1.0	5.9	12
MW-17	04/16/16	NS	NS	NS	NS
MW-17	10/12/16	NS	NS	NS	NS
MW-17	06/09/17	NS	NS	NS	NS
MW-17	11/12/17	NS	NS	NS	NS
MW-17	05/16/18	NS	NS	NS	NS
MW-17	10/26/18	13	<1.0	2.6	<10
MW-17	05/22/19	NS	NS	NS	NS
MW-17	11/12/19	NS	NS	NS	NS
MW-17	05/17/20	2.7	<1.0	<1.0	<10
MW-17	11/13/20	<1.0	<1.0	<1.0	<10
MW-17	05/18/21	<0.38	<0.41	<0.50	<1.6
MW-17	11/15/21	<1.0	<1.0	<1.0	<10
MW-18	10/23/14	6.5	3.2	<0.50	11
MW-18	05/29/15	12	7.2	2.8	16
MW-18	11/23/15	18	10	3.6	24
MW-18	04/16/16	2.4	<5.0	1.1	7.5
MW-18	10/12/16	1.4	<5.0	<1.0	<5.0
MW-18	06/09/17	8.7	<5.0	3.5	24
MW-18	11/12/17	<1.0	<1.0	<1.0	<10
MW-18	05/16/18	8.9	<1.0	2.4	17
MW-18	10/26/18	32	5.5	9.8	75
MW-18	05/22/19	9.1	<1.0	3.1	21
MW-18	11/12/19	24	<1.0	8.8	64
MW-18	05/17/20	160	<2.0	56	420
DUP-1(MW-18)*	05/17/20	17	<1.0	6.7	51
MW-18	11/13/20	3.2	<1.0	1.3	<10
MW-18	05/18/21	3.7	<0.41	1.0	7.0 J

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-1(MW-18)*	05/18/21	7.4	<0.41	2.2	15
MW-18	11/15/21	4.7	<1.0	1.6	11
MW-19	10/23/14	22	6	1.7	20
MW-19	05/29/15	3.7	<5.0	1.3	2.6 J
MW-19	11/23/15	67	18	15	40
MW-19	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-19	10/12/16	<1.0	<5.0	<1.0	<5.0
MW-19	06/09/17	64	31	7.3	55
MW-19	11/12/17	68	20	8.5	62
MW-19	05/16/18	31	1.2	1.7	13
MW-19	10/26/18	15	<1.0	1	<10
MW-19	05/22/19	190	<1.0	13	88
MW-19	11/12/19	27	<1.0	2.2	15
MW-19	05/17/20	18	<1.0	1.5	10
MW-19	11/13/20	16	<1.0	1.4	<10
DUP-2(MW-19)*	11/13/20	29	<1.0	2.8	18
MW-19	05/18/21	46	<0.41	3.4	24
MW-19	11/15/21	<1.0	<1.0	<1.0	<10
MW-20	10/23/14	28	2.7	2.6	42
MW-20	05/29/15	28	3.7 J	10	6.3
MW-20	11/23/15	6.9	<1.0	12	<3.0
MW-20	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-20	10/12/16	NS	NS	NS	NS
MW-20	06/09/17	42	11	1.1	37
MW-20	11/12/17	58	25	1.3	17
MW-20	05/16/18	71	5.6	1.2	13
MW-20	10/26/18	82	19	1.7	17
MW-20	05/22/19	3.3	<1.0	<1.0	<10
DUP-1(MW-20)*	05/22/19	16	<1.0	<1.0	<10
MW-20	11/12/19	170	<1.0	3.2	28
MW-20	05/17/20	19	<1.0	<1.0	<10
MW-20	11/13/20	210	<1.0	3.6	35
MW-20	05/18/21	250	7.6	2.7	34
MW-20	11/15/21	9.3	<1.0	<1.0	<10
MW-21	05/17/20	6800	1200	220	2800
MW-21	11/13/20	NS	NS	NS	NS
MW-21	05/18/21	NS	NS	NS	NS
MW-21	11/15/21	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Johnston Federal #4					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-22	05/17/20	NS	NS	NS	NS
MW-22	11/13/20	NS	NS	NS	NS
MW-22	05/18/21	NS	NS	NS	NS
MW-22	11/15/21	NS	NS	NS	NS
MW-23	05/17/20	3.3	4	1.7	15
MW-23	11/13/20	<1.0	<1.0	<1.0	<10
DUP-1(MW-23)*	11/13/20	<1.0	<1.0	<1.0	<10
MW-23	05/18/21	<0.38	<0.41	<0.50	<1.6
MW-23	11/15/21	<1.0	<1.0	<1.0	<10

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

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	08/08/95	6073.24	NR	50.08		6023.16
MW-1	01/04/96	6073.24	NR	50.23		6023.01
MW-1	12/17/96	6073.24	49.94	50.50	0.56	6023.16
MW-1	03/06/97	6073.24	49.99	50.38	0.39	6023.15
MW-1	06/22/01	6073.24	49.82	49.96	0.14	6023.39
MW-1	09/04/01	6073.24	49.94	50.05	0.11	6023.27
MW-1	03/04/02	6073.24	50.23	50.40	0.17	6022.97
MW-1	06/03/02	6073.24	50.31	50.50	0.19	6022.88
MW-1	09/10/02	6073.24	50.51	50.70	0.19	6022.68
MW-1	12/12/02	6073.24	50.60	50.83	0.23	6022.58
MW-1	03/14/03	6073.24	50.73	50.90	0.17	6022.47
MW-1	06/18/03	6073.24	50.74	51.28	0.54	6022.37
MW-1	09/16/03	6073.24	50.78	51.70	0.92	6022.23
MW-1	12/17/03	6073.24	50.92	51.15	0.23	6022.26
MW-1	03/16/04	6073.24	50.98	51.14	0.16	6022.22
MW-1	06/22/04	6073.24	51.02	51.15	0.13	6022.19
MW-1	09/22/04	6073.24	51.06	51.18	0.12	6022.15
MW-1	12/21/04	6073.24	51.08	51.15	0.07	6022.14
MW-1	03/23/05	6073.24	ND	51.13		6022.11
MW-1	06/23/05	6073.24	ND	51.09		6022.15
MW-1	09/20/05	6073.24	ND	51.12		6022.12
MW-1	12/14/05	6073.24	ND	51.02		6022.22
MW-1	12/15/05	6073.24	ND	51.02		6022.22
MW-1	03/27/06	6073.24	ND	51.86		6021.38
MW-1	06/07/06	6073.24	ND	50.92		6022.32
MW-1	09/25/06	6073.24	ND	51.09		6022.15
MW-1	12/07/06	6073.24	ND	51.06		6022.18
MW-1	03/28/07	6073.24	ND	50.85		6022.39
MW-1	06/18/07	6073.24	ND	50.90		6022.34
MW-1	09/17/07	6073.24	ND	51.04		6022.20
MW-1	12/17/07	6073.24	ND	51.05		6022.19
MW-1	03/10/08	6073.24	ND	50.93		6022.31
MW-1	06/17/08	6073.24	ND	50.14		6023.10
MW-1	09/10/08	6073.24	ND	49.81		6023.43
MW-1	12/02/08	6073.24	ND	49.66		6023.58
MW-1	03/03/09	6073.24	ND	49.60		6023.64
MW-1	06/09/09	6073.24	ND	49.61		6023.63
MW-1	08/28/09	6073.24	ND	49.71		6023.53
MW-1	11/04/09	6073.24	ND	49.83		6023.41
MW-1	02/11/10	6073.24	ND	49.93		6023.31
MW-1	06/07/10	6073.24	ND	50.12		6023.12
MW-1	09/24/10	6073.24	ND	50.33		6022.91

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/02/10	6073.24	ND	50.40		6022.84
MW-1	02/07/11	6073.24	ND	50.53		6022.71
MW-1	05/10/11	6073.24	ND	50.69		6022.55
MW-1	09/23/11	6073.24	ND	50.93		6022.31
MW-1	11/01/11	6073.24	ND	50.99		6022.25
MW-1	02/21/12	6073.24	ND	51.15		6022.09
MW-1	05/14/12	6073.24	ND	51.24		6022.00
MW-1	06/09/13	6073.24	51.61	51.68	0.07	6021.61
MW-1	09/09/13	6073.24	51.78	51.84	0.06	6021.45
MW-1	12/12/13	6073.24	51.80	51.85	0.05	6021.43
MW-1	04/02/14	6073.24	ND	51.81		6021.43
MW-1	10/23/14	6073.24	51.95	52.04	0.09	6021.27
MW-1	05/29/15	6073.24	ND	52.02		6021.22
MW-1	11/23/15	6073.24	51.76	51.76	<0.01	6021.48
MW-1	04/16/16	6073.24	51.61	51.68	0.07	6021.61
MW-1	10/12/16	6073.24	51.71	51.73	0.02	6021.53
MW-1	06/09/17	6073.24	51.76	51.78	0.02	6021.48
MW-1	07/15/17	6073.24	51.85	51.87	0.02	6021.39
MW-1	11/12/17	6073.24	51.85	51.86	0.01	6021.39
MW-1	05/16/18	6073.24	51.83	51.97	0.14	6021.38
MW-1	07/15/18	6073.24	51.64	51.75	0.11	6021.57
MW-1	10/26/18	6073.24	51.77	51.77	<0.01	6021.47
MW-1	05/22/19	6073.24	51.85	51.96	0.11	6021.36
MW-1	11/12/19	6073.24	51.93	51.95	0.02	6021.31
MW-1	05/17/20	6073.24	52.03	52.05	0.02	6021.21
MW-1	08/19/20	6073.24	52.10	52.11	0.01	6021.14
MW-1	11/13/20	6073.24	52.14	52.15	0.01	6021.10
MW-1	03/18/21	6073.24	ND	52.21		6021.03
MW-1	05/18/21	6073.24	52.23	52.24	0.01	6021.01
MW-1	08/22/21	6073.24	ND	52.23		6021.01
MW-1	11/15/21	6073.24	ND	52.30		6020.94
MW-2	01/04/96	6072.14	NR	48.71		6023.43
MW-2	12/17/96	6072.14	NR	48.84		6023.30
MW-2	03/06/97	6072.14	NR	48.94		6023.20
MW-2	06/22/01	6072.14	NR	48.62		6023.52
MW-2	09/04/01	6072.14	NR	48.78		6023.36
MW-2	06/03/02	6072.14	NR	49.15		6022.99
MW-2	09/10/02	6072.14	NR	49.27		6022.87
MW-2	12/12/02	6072.14	NR	49.42		6022.72
MW-2	06/18/03	6072.14	ND	49.62		6022.52
MW-2	09/16/03	6072.14	ND	49.76		6022.38

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	12/17/03	6072.14	ND	49.72		6022.42
MW-2	03/16/04	6072.14	ND	49.78		6022.36
MW-2	06/22/04	6072.14	ND	49.82		6022.32
MW-2	09/22/04	6072.14	ND	49.84		6022.30
MW-2	12/21/04	6072.14	ND	49.86		6022.28
MW-2	03/23/05	6072.14	ND	49.89		6022.25
MW-2	06/23/05	6072.14	ND	49.87		6022.27
MW-2	09/20/05	6072.14	ND	49.89		6022.25
MW-2	12/14/05	6072.14	ND	49.75		6022.39
MW-2	03/27/06	6072.14	ND	49.62		6022.52
MW-2	06/07/06	6072.14	ND	49.67		6022.47
MW-2	09/25/06	6072.14	ND	49.85		6022.29
MW-2	12/07/06	6072.14	ND	49.82		6022.32
MW-2	03/28/07	6072.14	ND	49.63		6022.51
MW-2	06/19/07	6072.14	ND	49.67		6022.47
MW-2	09/17/07	6072.14	ND	49.82		6022.32
MW-2	12/17/07	6072.14	ND	49.82		6022.32
MW-2	03/10/08	6072.14	ND	49.92		6022.22
MW-2	06/17/08	6072.14	ND	48.93		6023.21
MW-2	09/10/08	6072.14	ND	48.60		6023.54
MW-2	12/02/08	6072.14	ND	48.43		6023.71
MW-2	03/03/09	6072.14	ND	48.37		6023.77
MW-2	06/04/09	6072.14	ND	48.38		6023.76
MW-2	06/09/09	6072.14	ND	48.43		6023.71
MW-2	08/28/09	6072.14	ND	48.50		6023.64
MW-2	11/04/09	6072.14	ND	48.62		6023.52
MW-2	02/11/10	6072.14	ND	48.72		6023.42
MW-2	06/07/10	6072.14	ND	48.98		6023.16
MW-2	09/24/10	6072.14	ND	49.11		6023.03
MW-2	11/02/10	6072.14	ND	49.17		6022.97
MW-2	02/07/11	6072.14	ND	49.33		6022.81
MW-2	05/10/11	6072.14	ND	49.45		6022.69
MW-2	09/23/11	6072.14	ND	49.72		6022.42
MW-2	11/01/11	6072.14	ND	49.77		6022.37
MW-2	02/21/12	6072.14	ND	49.91		6022.23
MW-2	05/14/12	6072.14	ND	50.00		6022.14
MW-2	06/09/13	6072.14	ND	50.38		6021.76
MW-2	09/09/13	6072.14	ND	50.56		6021.58
MW-2	12/12/13	6072.14	ND	50.56		6021.58
MW-2	04/02/14	6072.14	ND	50.59		6021.55
MW-2	10/23/14	6072.14	ND	50.73		6021.41
MW-2	05/29/15	6072.14	ND	50.80		6021.34

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	11/23/15	6072.14	ND	50.54		6021.60
MW-2	04/16/16	6072.14	ND	50.39		6021.75
MW-2	10/12/16	6072.14	ND	50.47		6021.67
MW-2	06/09/17	6072.14	ND	50.52		6021.62
MW-2	11/12/17	6072.14	ND	50.65		6021.49
MW-2	05/16/18	6072.14	ND	50.63		6021.51
MW-2	10/26/18	6072.14	ND	50.80		6021.34
MW-2	05/22/19	6072.14	ND	50.89		6021.25
MW-2	11/12/19	6072.14	ND	50.97		6021.17
MW-2	05/17/20	6072.14	ND	51.04		6021.10
MW-2	11/13/20	6072.14	ND	51.15		6020.99
MW-2	05/18/21	6072.14	ND	51.23		6020.91
MW-2	11/15/21	6072.14	ND	51.31		6020.83
MW-3	03/19/96	6073.11	NR	49.81		6023.30
MW-3	12/17/96	6073.11	NR	49.84		6023.27
MW-3	03/06/97	6073.11	49.83	49.87	0.04	6023.27
MW-3	06/22/01	6073.11	49.58	49.66	0.08	6023.51
MW-3	09/04/01	6073.11	49.70	49.76	0.06	6023.40
MW-3	03/04/02	6073.11	49.91	50.35	0.44	6023.09
MW-3	06/03/02	6073.11	49.96	50.62	0.66	6022.99
MW-3	09/10/02	6073.11	50.12	50.79	0.67	6022.82
MW-3	12/12/02	6073.11	50.25	50.95	0.70	6022.69
MW-3	03/14/03	6073.11	50.34	51.03	0.69	6022.60
MW-3	06/18/03	6073.11	50.45	51.16	0.71	6022.48
MW-3	09/16/03	6073.11	50.59	51.30	0.71	6022.35
MW-3	12/17/03	6073.11	50.60	51.08	0.48	6022.39
MW-3	03/16/04	6073.11	50.68	51.10	0.42	6022.33
MW-3	06/22/04	6073.11	50.68	51.22	0.54	6022.30
MW-3	09/22/04	6073.11	50.69	51.30	0.61	6022.27
MW-3	12/21/04	6073.11	50.71	51.32	0.61	6022.25
MW-3	03/23/05	6073.11	50.76	51.85	1.09	6022.08
MW-3	06/23/05	6073.11	50.76	51.20	0.44	6022.24
MW-3	09/20/05	6073.11	ND	51.43		6021.68
MW-3	12/14/05	6073.11	ND	51.31		6021.80
MW-3	12/15/05	6073.11	50.92	51.32	0.40	6022.09
MW-3	03/27/06	6073.11	50.58	50.92	0.34	6022.45
MW-3	06/07/06	6073.11	50.56	51.01	0.45	6022.44
MW-3	09/25/06	6073.11	50.80	51.27	0.47	6022.19
MW-3	12/07/06	6073.11	50.77	51.07	0.30	6022.27
MW-3	03/28/07	6073.11	50.66	50.99	0.33	6022.37
MW-3	06/18/07	6073.11	50.58	50.97	0.39	6022.43

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	09/17/07	6073.11	50.78	51.15	0.37	6022.24
MW-3	12/17/07	6073.11	50.78	51.08	0.30	6022.26
MW-3	03/10/08	6073.11	50.75	50.90	0.15	6022.32
MW-3	06/17/08	6073.11	49.89	49.98	0.09	6023.20
MW-3	09/10/08	6073.11	ND	49.77		6023.34
MW-3	12/02/08	6073.11	ND	49.58		6023.53
MW-3	03/03/09	6073.11	ND	49.55		6023.56
MW-3	06/09/09	6073.11	ND	49.39		6023.72
MW-3	08/28/09	6073.11	ND	49.65		6023.46
MW-3	11/04/09	6073.11	ND	49.63		6023.48
MW-3	02/11/10	6073.11	ND	49.83		6023.28
MW-3	06/07/10	6073.11	49.70	49.90	0.20	6023.36
MW-3	09/24/10	6073.11	ND	50.19		6022.92
MW-3	11/02/10	6073.11	ND	50.26		6022.85
MW-3	02/07/11	6073.11	ND	50.40		6022.71
MW-3	05/10/11	6073.11	ND	50.46		6022.65
MW-3	09/23/11	6073.11	ND	50.73		6022.38
MW-3	11/01/11	6073.11	ND	50.82		6022.29
MW-3	02/21/12	6073.11	50.86	51.36	0.50	6022.13
MW-3	05/14/12	6073.11	50.84	51.50	0.66	6022.11
MW-3	06/09/13	6073.11	51.15	52.02	0.87	6021.74
MW-3	09/09/13	6073.11	51.29	52.36	1.07	6021.55
MW-3	12/12/13	6073.11	51.30	52.39	1.09	6021.54
MW-3	04/02/14	6073.11	51.30	52.41	1.11	6021.53
MW-3	10/23/14	6073.11	51.43	52.59	1.16	6021.39
MW-3	05/29/15	6073.11	51.51	52.64	1.13	6021.32
MW-3	11/23/15	6073.11	51.32	52.11	0.79	6021.59
MW-3	04/16/16	6073.11	51.20	51.90	0.70	6021.74
MW-3	10/12/16	6073.11	ND	51.42		6021.69
MW-3	11/30/16	6073.11	51.58	51.79	0.21	6021.48
MW-3	06/09/17	6073.11	51.50	51.52	0.02	6021.61
MW-3	07/15/17	6073.11	ND	51.77		6021.34
MW-3	11/12/17	6073.11	51.54	51.55	0.01	6021.57
MW-3	05/16/18	6073.11	51.47	52.05	0.58	6021.50
MW-3	07/15/18	6073.11	ND	51.77		6021.34
MW-3	10/26/18	6073.11	51.72	51.72	<0.01	6021.39
MW-3	05/22/19	6073.11	51.79	52.02	0.23	6021.26
MW-3	11/12/19	6073.11	51.84	51.89	0.05	6021.26
MW-3	05/17/20	6073.11	51.96	52.12	0.16	6021.11
MW-3	08/19/20	6073.11	52.04	52.14	0.10	6021.05
MW-3	11/13/20	6073.11	52.10	52.12	0.02	6021.01
MW-3	03/18/21	6073.11	52.19	52.26	0.07	6020.90

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	05/18/21	6073.11	52.21	52.25	0.04	6020.89
MW-3	08/22/21	6073.11	52.23	52.27	0.04	6020.87
MW-3	11/15/21	6073.11	52.27	52.32	0.05	6020.83
MW-4	12/07/06	6072.71	ND	50.40		6022.31
MW-4	03/28/07	6072.71	ND	50.19		6022.52
MW-4	06/19/07	6072.71	ND	50.21		6022.50
MW-4	09/17/07	6072.71	ND	50.34		6022.37
MW-4	12/17/07	6072.71	ND	49.78		6022.93
MW-4	03/10/08	6072.71	ND	50.30		6022.41
MW-4	06/17/08	6072.71	ND	49.50		6023.21
MW-4	09/10/08	6072.71	ND	49.17		6023.54
MW-4	12/02/08	6072.71	ND	49.00		6023.71
MW-4	03/03/09	6072.71	ND	48.93		6023.78
MW-4	06/09/09	6072.71	ND	48.94		6023.77
MW-4	08/28/09	6072.71	ND	49.04		6023.67
MW-4	11/04/09	6072.71	ND	49.16		6023.55
MW-4	02/11/10	6072.71	ND	49.26		6023.45
MW-4	06/07/10	6072.71	ND	49.45		6023.26
MW-4	09/24/10	6072.71	ND	49.15		6023.56
MW-4	11/02/10	6072.71	ND	49.73		6022.98
MW-4	02/07/11	6072.71	ND	49.86		6022.85
MW-4	05/10/11	6072.71	ND	49.98		6022.73
MW-4	09/23/11	6072.71	ND	50.09		6022.62
MW-4	11/01/11	6072.71	ND	50.31		6022.40
MW-4	02/21/12	6072.71	ND	50.46		6022.25
MW-4	05/14/12	6072.71	ND	50.55		6022.16
MW-4	06/09/13	6072.71	ND	50.93		6021.78
MW-4	09/09/13	6072.71	ND	51.11		6021.60
MW-4	12/12/13	6072.71	ND	51.12		6021.59
MW-4	04/02/14	6072.71	ND	51.14		6021.57
MW-4	10/23/14	6072.71	ND	51.26		6021.45
MW-4	05/29/15	6072.71	ND	51.33		6021.38
MW-4	11/23/15	6072.71	ND	51.08		6021.63
MW-4	04/16/16	6072.71	ND	50.92		6021.79
MW-4	10/12/16	6072.71	ND	51.01		6021.70
MW-4	06/09/17	6072.71	ND	51.07		6021.64
MW-4	11/12/17	6072.71	ND	51.17		6021.54
MW-4	05/16/18	6072.71	ND	51.16		6021.55
MW-4	10/26/18	6072.71	ND	51.33		6021.38
MW-4	05/22/19	6072.71	ND	51.40		6021.31
MW-4	11/12/19	6072.71	ND	51.47		6021.24

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	05/17/20	6072.71	ND	51.58		6021.13
MW-4	11/13/20	6072.71	ND	51.68		6021.03
MW-4	05/18/21	6072.71	ND	51.75		6020.96
MW-4	11/15/21	6072.71	ND	51.85		6020.86
TMW-5	12/07/06	6072.29	ND	49.83		6022.46
TMW-5	03/28/07	6072.29	ND	49.58		6022.71
TMW-5	06/19/07	6072.29	ND	49.64		6022.65
TMW-5	09/17/07	6072.29	ND	49.77		6022.52
TMW-5	12/17/07	6072.29	ND	50.38		6021.91
TMW-5	03/10/08	6072.29	ND	46.59		6025.70
TMW-5	06/17/08	6072.29	ND	48.87		6023.42
TMW-5	09/10/08	6072.29	ND	48.56		6023.73
TMW-5	12/02/08	6072.29	ND	48.44		6023.85
TMW-5	03/03/09	6072.29	ND	44.40		6027.89
TMW-5	06/09/09	6072.29	ND	48.38		6023.91
TMW-5	08/28/09	6072.29	ND	DRY		0.00
TMW-5	11/04/09	6072.29	ND	48.58		6023.71
TMW-5	02/11/10	6072.29	ND	48.67		6023.62
TMW-5	06/07/10	6072.29	ND	48.81		6023.48
TMW-5	09/24/10	6072.29	ND	49.04		6023.25
TMW-5	11/02/10	6072.29	ND	49.12		6023.17
TMW-5	02/07/11	6072.29	ND	49.30		6022.99
TMW-5	05/10/11	6072.29	ND	49.41		6022.88
TMW-5	09/23/11	6072.29	ND	49.70		6022.59
TMW-5	11/01/11	6072.29	ND	49.71		6022.58
TMW-5	02/21/12	6072.29	ND	49.87		6022.42
TMW-5	05/14/12	6072.29	ND	49.96		6022.33
TMW-5	06/09/13	6072.29	ND	50.31		6021.98
TMW-5	09/09/13	6072.29	ND	50.48		6021.81
TMW-5	12/12/13	6072.29	ND	50.53		6021.76
TMW-5	04/02/14	6072.29	ND	50.54		6021.75
TMW-5	Well abandoned 8/11/2014					
MW-6	12/12/13	6072.76	51.10	51.13	0.03	6021.65
MW-6	04/02/14	6072.76	51.12	51.15	0.03	6021.63
MW-6	10/23/14	6072.76	ND	51.26		6021.50
MW-6	05/29/15	6072.76	ND	51.34		6021.42
MW-6	11/23/15	6072.76	ND	51.08		6021.68
MW-6	04/16/16	6072.76	ND	50.89		6021.87
MW-6	10/12/16	6072.76	ND	51.02		6021.74
MW-6	06/09/17	6072.76	ND	51.08		6021.68

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	11/12/17	6072.76	ND	51.19		6021.57
MW-6	05/16/18	6072.76	ND	51.18		6021.58
MW-6	10/26/18	6072.76	ND	51.33		6021.43
MW-6	05/22/19	6072.76	ND	51.40		6021.36
MW-6	11/12/19	6072.76	ND	51.51		6021.25
MW-6	05/17/20	6072.76	ND	51.58		6021.18
MW-6	11/13/20	6072.76	ND	51.68		6021.08
MW-6	05/18/21	6072.76	ND	51.76		6021.00
MW-6	08/22/21	6072.76	ND	51.80		6020.96
MW-6	11/15/21	6072.76	ND	51.85		6020.91
MW-7	12/12/13	6072.63	ND	51.12		6021.51
MW-7	04/02/14	6072.63	ND	51.13		6021.50
MW-7	10/23/14	6072.63	ND	51.25		6021.38
MW-7	05/29/15	6072.63	ND	51.33		6021.30
MW-7	11/23/15	6072.63	ND	51.06		6021.57
MW-7	04/16/16	6072.63	ND	50.90		6021.73
MW-7	10/12/16	6072.63	ND	51.01		6021.62
MW-7	06/09/17	6072.63	ND	51.07		6021.56
MW-7	11/12/17	6072.63	ND	51.18		6021.45
MW-7	05/16/18	6072.63	50.98	51.86	0.88	6021.43
MW-7	07/15/18	6072.63	51.03	51.82	0.79	6021.40
MW-7	10/26/18	6072.63	51.13	51.14	0.01	6021.50
MW-7	05/22/19	6072.63	51.29	51.82	0.53	6021.21
MW-7	11/12/19	6072.63	51.28	52.08	0.80	6021.15
MW-7	05/17/20	6072.63	51.33	52.21	0.88	6021.08
MW-7	08/19/20	6072.63	51.42	52.30	0.88	6020.99
MW-7	11/13/20	6072.63	51.43	52.34	0.91	6020.97
MW-7	03/18/21	6072.63	51.20	51.53	0.33	6021.35
MW-7	05/18/21	6072.63	51.52	52.41	0.89	6020.89
MW-7	08/22/21	6072.63	51.72	52.03	0.31	6020.83
MW-7	11/15/21	6072.63	51.80	51.94	0.14	6020.80
MW-8	12/12/13	6072.60	50.80	51.94	1.14	6021.52
MW-8	04/02/14	6072.60	50.81	51.93	1.12	6021.51
MW-8	10/23/14	6072.60	50.93	52.12	1.19	6021.37
MW-8	05/29/15	6072.60	51.00	52.18	1.18	6021.31
MW-8	11/23/15	6072.60	50.83	51.63	0.80	6021.57
MW-8	04/16/16	6072.60	50.68	51.44	0.76	6021.73
MW-8	10/12/16	6072.60	50.81	51.52	0.71	6021.61
MW-8	11/30/16	6072.60	50.89	51.49	0.60	6021.56
MW-8	06/09/17	6072.60	51.01	51.11	0.10	6021.57

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-8	07/15/17	6072.60	50.68	52.28	1.60	6021.52
MW-8	11/12/17	6072.60	50.78	50.82	0.04	6021.81
MW-8	05/16/18	6072.60	50.90	51.83	0.93	6021.47
MW-8	07/15/18	6072.60	51.13	52.51	1.38	6021.13
MW-8	10/26/18	6072.60	51.04	51.04	<0.01	6021.56
MW-8	05/22/19	6072.60	51.09	52.12	1.03	6021.25
MW-8	11/12/19	6072.60	51.15	52.74	1.59	6021.05
MW-8	05/17/20	6072.60	51.23	52.41	1.18	6021.08
MW-8	08/19/20	6072.60	51.30	52.53	1.23	6020.99
MW-8	11/13/20	6072.60	51.33	52.53	1.20	6020.97
MW-8	03/18/21	6072.60	51.20	51.80	0.60	6021.25
MW-8	05/18/21	6072.60	51.60	51.98	0.38	6020.91
MW-8	08/22/21	6072.60	51.55	52.39	0.84	6020.84
MW-8	11/15/21	6072.60	51.59	52.44	0.85	6020.80
MW-9	12/12/13	6073.57	ND	51.85		6021.72
MW-9	04/02/14	6073.57	ND	51.87		6021.70
MW-9	10/23/14	6073.57	ND	52.01		6021.56
MW-9	05/29/15	6073.57	ND	52.08		6021.49
MW-9	11/23/15	6073.57	ND	51.83		6021.74
MW-9	04/16/16	6073.57	ND	51.66		6021.91
MW-9	10/12/16	6073.57	ND	51.77		6021.80
MW-9	06/09/17	6073.57	ND	51.83		6021.74
MW-9	11/12/17	6073.57	ND	52.00		6021.57
MW-9	05/16/18	6073.57	ND	51.92		6021.65
MW-9	10/26/18	6073.57	ND	52.18		6021.39
MW-9	05/22/19	6073.57	ND	52.16		6021.41
MW-9	11/12/19	6073.57	ND	52.28		6021.29
MW-9	05/17/20	6073.57	ND	52.34		6021.23
MW-9	11/13/20	6073.57	ND	52.43		6021.14
MW-9	05/18/21	6073.57	ND	52.51		6021.06
MW-9	11/15/21	6073.57	ND	52.62		6020.95
MW-10	12/12/13	6073.42	ND	51.79		6021.63
MW-10	04/02/14	6073.42	ND	51.81		6021.61
MW-10	10/23/14	6073.42	ND	51.94		6021.48
MW-10	05/29/15	6073.42	ND	52.03		6021.39
MW-10	11/23/15	6073.42	ND	51.74		6021.68
MW-10	04/16/16	6073.42	ND	51.60		6021.82
MW-10	10/12/16	6073.42	ND	51.70		6021.72
MW-10	06/09/17	6073.42	ND	51.75		6021.67
MW-10	11/12/17	6073.42	ND	51.86		6021.56

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-10	05/16/18	6073.42	ND	51.85		6021.57
MW-10	10/26/18	6073.42	ND	52.01		6021.41
MW-10	05/22/19	6073.42	ND	52.08		6021.34
MW-10	11/12/19	6073.42	ND	52.18		6021.24
MW-10	05/17/20	6073.42	ND	52.50		6020.92
MW-10	11/13/20	6073.42	ND	52.36		6021.06
MW-10	05/18/21	6073.42	ND	52.44		6020.98
MW-10	11/15/21	6073.42	ND	52.52		6020.90
MW-11	12/12/13	6073.39	51.60	52.43	0.83	6021.58
MW-11	04/02/14	6073.39	51.61	52.33	0.72	6021.60
MW-11	10/23/14	6073.39	51.73	52.59	0.86	6021.45
MW-11	05/29/15	6073.39	51.79	52.69	0.90	6021.38
MW-11	11/23/15	6073.39	51.61	52.14	0.53	6021.65
MW-11	04/16/16	6073.39	51.51	51.80	0.29	6021.81
MW-11	10/12/16	6073.39	51.68	51.80	0.12	6021.68
MW-11	06/09/17	6073.39	51.22	53.24	2.02	6021.67
MW-11	07/15/17	6073.39	51.29	53.13	1.84	6021.64
MW-11	11/12/17	6073.39	51.52	51.54	0.02	6021.87
MW-11	05/16/18	6073.39	51.70	52.04	0.34	6021.61
MW-11	07/15/18	6073.39	51.82	52.52	0.70	6021.40
MW-11	10/26/18	6073.39	51.84	51.84	<0.01	6021.55
MW-11	05/22/19	6073.39	51.89	52.23	0.34	6021.42
MW-11	11/12/19	6073.39	51.94	52.53	0.59	6021.30
MW-11	05/17/20	6073.39	52.02	52.79	0.77	6021.18
MW-11	08/19/20	6073.39	52.27	52.35	0.08	6021.10
MW-11	11/13/20	6073.39	52.32	52.33	0.01	6021.07
MW-11	03/18/21	6073.39	ND	52.39		6021.00
MW-11	05/18/21	6073.39	ND	52.39		6021.00
MW-11	08/22/21	6073.39	52.45	52.45	<0.01	6020.94
MW-11	11/15/21	6073.39	ND	52.48		6020.91
MW-12	12/12/13	6073.32	ND	48.13		6025.19
MW-12	04/02/14	6073.32	ND	48.09		6025.23
MW-12	10/23/14	6073.32	ND	48.31		6025.01
MW-12	05/29/15	6073.32	ND	48.31		6025.01
MW-12	11/23/15	6073.32	ND	48.11		6025.21
MW-12	04/16/16	6073.32	ND	47.85		6025.47
MW-12	10/12/16	6073.32	ND	47.57		6025.75
MW-12	06/09/17	6073.32	ND	47.54		6025.78
MW-12	11/12/17	6073.32	ND	47.51		6025.81
MW-12	05/16/18	6073.32	ND	47.33		6025.99

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-12	10/26/18	6073.32	ND	47.38		6025.94
MW-12	05/22/19	6073.32	ND	47.73		6025.59
MW-12	11/12/19	6073.32	ND	47.78		6025.54
MW-12	05/17/20	6073.32	ND	47.85		6025.47
MW-12	11/13/20	6073.32	ND	47.86		6025.46
MW-12	05/18/21	6073.32	ND	47.91		6025.41
MW-12	11/15/21	6073.32	ND	47.93		6025.39
MW-13	10/23/14	6073.25	ND	51.62		6021.63
MW-13	05/29/15	6073.25	ND	51.69		6021.56
MW-13	11/23/15	6073.25	ND	51.42		6021.83
MW-13	04/16/16	6073.25	ND	51.29		6021.96
MW-13	10/12/16	6073.25	ND	51.37		6021.88
MW-13	06/09/17	6073.25	ND	51.44		6021.81
MW-13	11/12/17	6073.25	ND	51.54		6021.71
MW-13	05/16/18	6073.25	ND	51.52		6021.73
MW-13	10/26/18	6073.25	ND	51.68		6021.57
MW-13	05/22/19	6073.25	ND	51.71		6021.54
MW-13	11/12/19	6073.25	ND	51.80		6021.45
MW-13	05/17/20	6073.25	ND	52.01		6021.24
MW-13	11/13/20	6073.25	ND	52.12		6021.13
MW-13	05/18/21	6073.25	ND	52.16		6021.09
MW-13	11/15/21	6073.25	ND	52.28		6020.97
MW-14	10/23/14	6073.14	ND	51.53		6021.61
MW-14	05/29/15	6073.14	ND	51.60		6021.54
MW-14	11/23/15	6073.14	ND	51.33		6021.81
MW-14	04/16/16	6073.14	ND	51.19		6021.95
MW-14	10/12/16	6073.14	ND	51.30		6021.84
MW-14	06/09/17	6073.14	ND	51.35		6021.79
MW-14	11/12/17	6073.14	ND	51.46		6021.68
MW-14	05/16/18	6073.14	ND	51.43		6021.71
MW-14	10/26/18	6073.14	ND	51.57		6021.57
MW-14	05/22/19	6073.14	ND	51.62		6021.52
MW-14	11/12/19	6073.14	ND	51.70		6021.44
MW-14	05/17/20	6073.14	ND	51.89		6021.25
MW-14	11/13/20	6073.14	ND	51.99		6021.15
MW-14	05/18/21	6073.14	ND	52.07		6021.07
MW-14	11/15/21	6073.14	ND	52.15		6020.99
MW-15	10/23/14	6072.47	ND	51.14		6021.33
MW-15	05/29/15	6072.47	ND	51.19		6021.28

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-15	11/23/15	6072.47	ND	50.93		6021.54
MW-15	04/16/16	6072.47	ND	50.78		6021.69
MW-15	10/12/16	6072.47	ND	50.87		6021.60
MW-15	06/09/17	6072.47	ND	50.96		6021.51
MW-15	11/12/17	6072.47	ND	51.06		6021.41
MW-15	05/16/18	6072.47	ND	51.03		6021.44
MW-15	10/26/18	6072.47	ND	51.19		6021.28
MW-15	05/22/19	6072.47	ND	51.27		6021.20
MW-15	11/12/19	6072.47	ND	51.35		6021.12
MW-15	05/17/20	6072.47	ND	51.42		6021.05
MW-15	11/13/20	6072.47	ND	51.53		6020.94
MW-15	05/18/21	6072.47	ND	51.61		6020.86
MW-15	11/15/21	6072.47	ND	51.69		6020.78
MW-16	10/23/14	6071.78	ND	50.49		6021.29
MW-16	05/29/15	6071.78	ND	50.57		6021.21
MW-16	11/23/15	6071.78	ND	50.30		6021.48
MW-16	04/16/16	6071.78	ND	50.15		6021.63
MW-16	10/12/16	6071.78	ND	50.24		6021.54
MW-16	06/09/17	6071.78	ND	50.32		6021.46
MW-16	11/12/17	6071.78	ND	50.44		6021.34
MW-16	05/16/18	6071.78	ND	50.40		6021.38
MW-16	10/26/18	6071.78	ND	50.55		6021.23
MW-16	05/22/19	6071.78	ND	51.40		6020.38
MW-16	11/12/19	6071.78	ND	50.69		6021.09
MW-16	05/17/20	6071.78	ND	50.78		6021.00
MW-16	11/13/20	6071.78	ND	50.88		6020.90
MW-16	05/18/21	6071.78	ND	50.97		6020.81
MW-16	11/15/21	6071.78	ND	51.05		6020.73
MW-17	10/23/14	6071.79	ND	50.51		6021.28
MW-17	05/29/15	6071.79	ND	50.58		6021.21
MW-17	11/23/15	6071.79	ND	50.31		6021.48
MW-17	04/16/16	6071.79	ND	50.16		6021.63
MW-17	10/12/16	6071.79	ND	50.26		6021.53
MW-17	06/09/17	6071.79	ND	50.30		6021.49
MW-17	11/12/17	6071.79	ND	50.43		6021.36
MW-17	05/16/18	6071.79	ND	50.41		6021.38
MW-17	10/26/18	6071.79	ND	50.56		6021.23
MW-17	05/22/19	6071.79	ND	50.63		6021.16
MW-17	11/12/19	6071.79	ND	50.72		6021.07
MW-17	05/17/20	6071.79	ND	50.79		6021.00

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-17	11/13/20	6071.79	ND	51.07		6020.72
MW-17	05/18/21	6071.79	ND	51.00		6020.79
MW-17	11/15/21	6071.79	ND	51.67		6020.12
MW-18	10/23/14	6072.71	ND	51.28		6021.43
MW-18	05/29/15	6072.71	ND	51.37		6021.34
MW-18	11/23/15	6072.71	ND	51.09		6021.62
MW-18	04/16/16	6072.71	ND	50.94		6021.77
MW-18	10/12/16	6072.71	ND	51.03		6021.68
MW-18	06/09/17	6072.71	ND	51.10		6021.61
MW-18	11/12/17	6072.71	ND	51.20		6021.51
MW-18	05/16/18	6072.71	ND	51.19		6021.52
MW-18	10/26/18	6072.71	ND	51.34		6021.37
MW-18	05/22/19	6072.71	ND	51.42		6021.29
MW-18	11/12/19	6072.71	ND	51.50		6021.21
MW-18	05/17/20	6072.71	ND	51.58		6021.13
MW-18	11/13/20	6072.71	ND	51.69		6021.02
MW-18	05/18/21	6072.71	ND	51.77		6020.94
MW-18	11/15/21	6072.71	ND	51.86		6020.85
MW-19	10/23/14	6074.00	ND	52.41		6021.59
MW-19	05/29/15	6074.00	ND	52.48		6021.52
MW-19	11/23/15	6074.00	ND	52.21		6021.79
MW-19	04/16/16	6074.00	ND	52.17		6021.83
MW-19	10/12/16	6074.00	ND	52.15		6021.85
MW-19	06/09/17	6074.00	ND	52.22		6021.78
MW-19	11/12/17	6074.00	ND	52.32		6021.68
MW-19	05/16/18	6074.00	ND	52.31		6021.69
MW-19	10/26/18	6074.00	ND	52.48		6021.52
MW-19	05/22/19	6074.00	ND	52.55		6021.45
MW-19	11/12/19	6074.00	ND	52.66		6021.34
MW-19	05/17/20	6074.00	ND	52.73		6021.27
MW-19	11/13/20	6074.00	ND	52.84		6021.16
MW-19	05/18/21	6074.00	ND	52.92		6021.08
MW-19	11/15/21	6074.00	ND	53.01		6020.99
MW-20	10/23/14	6072.77	ND	51.33		6021.44
MW-20	05/29/15	6072.77	ND	51.41		6021.36
MW-20	11/23/15	6072.77	ND	51.14		6021.63
MW-20	04/16/16	6072.77	ND	50.99		6021.78
MW-20	10/12/16	6072.77	ND	51.09		6021.68
MW-20	06/09/17	6072.77	ND	51.14		6021.63

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Johnston Federal #4						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-20	11/12/17	6072.77	ND	51.24		6021.53
MW-20	05/16/18	6072.77	ND	51.24		6021.53
MW-20	10/26/18	6072.77	ND	51.38		6021.39
MW-20	05/22/19	6072.77	ND	51.46		6021.31
MW-20	11/12/19	6072.77	ND	51.55		6021.22
MW-20	05/17/20	6072.77	ND	51.62		6021.15
MW-20	11/13/20	6072.77	ND	51.73		6021.04
MW-20	05/18/21	6072.77	ND	51.83		6020.94
MW-20	11/15/21	6072.77	ND	51.91		6020.86
MW-21	05/17/20	6071.17	ND	50.27		6020.90
MW-21	11/13/20	6071.17	50.10	50.55		6020.96
MW-21	03/18/21	6071.17	50.18	50.50	0.32	6020.91
MW-21	05/18/21	6071.17	50.21	51.16	0.95	6020.72
MW-21	08/22/21	6071.17	50.25	51.25	1.00	6020.67
MW-21	11/15/21	6071.17	50.24	51.38	1.14	6021.32
MW-22	05/17/20	6070.47	49.57	49.58	0.01	6020.90
MW-22	08/19/20	6070.47	49.55	49.94	0.39	6020.82
MW-22	11/13/20	6070.47	49.79	49.95	0.16	6020.64
MW-22	03/18/21	6070.47	49.66	50.00	0.34	6020.73
MW-22	05/18/21	6070.47	49.65	50.09	0.44	6020.71
MW-22	08/22/21	6070.47	49.72	50.10	0.38	6020.66
MW-22	11/15/21	6070.47	49.77	50.08	0.31	6019.95
MW-23	05/17/20	6071.30	ND	50.30		6021.00
MW-23	11/13/20	6071.30	ND	50.37		6020.93
MW-23	05/18/21	6071.30	ND	50.48		6020.82
MW-23	11/15/21	6071.30	ND	50.55		6020.75

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

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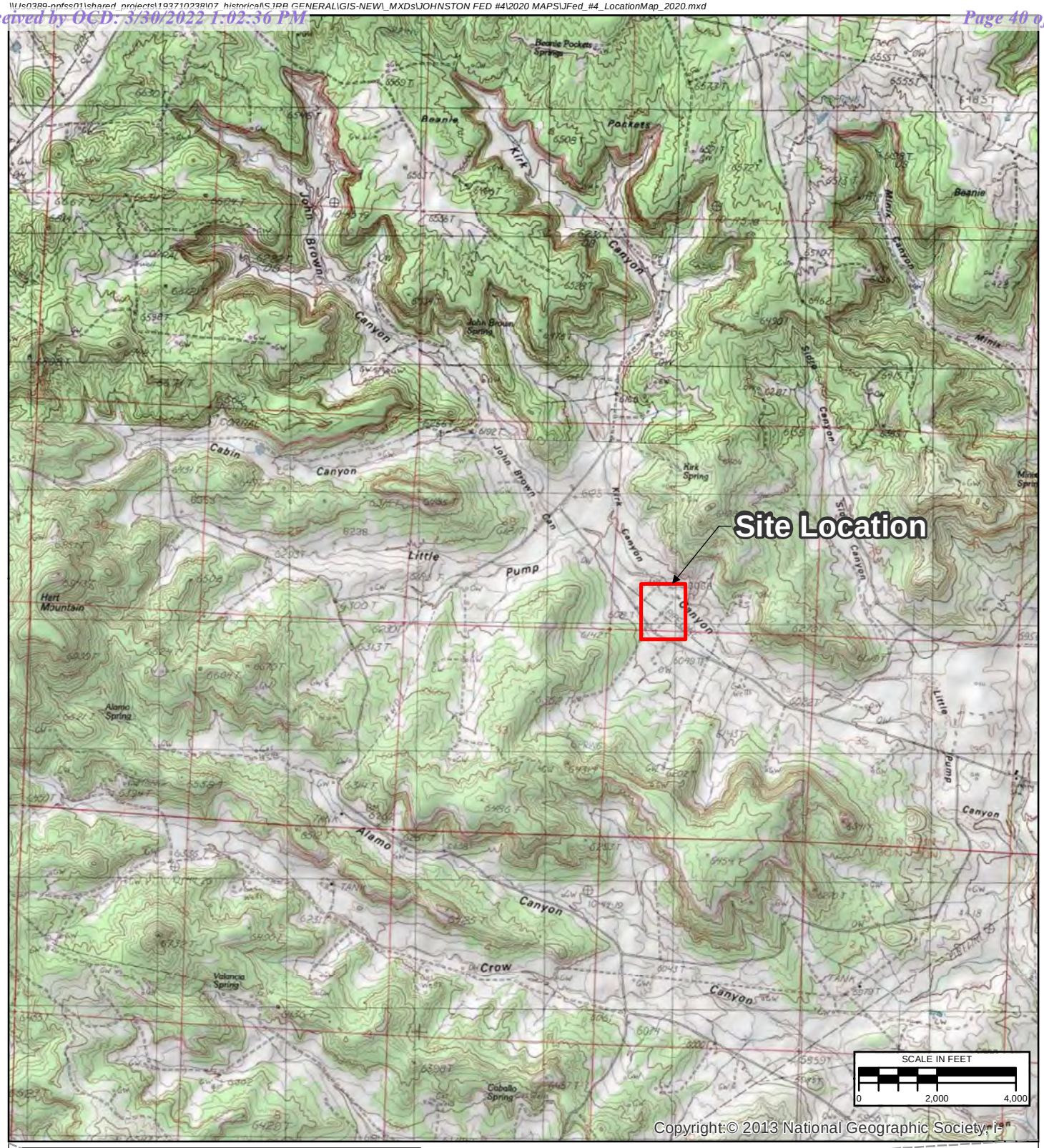

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REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/16/2021	SAH	SAH	SRV

TITLE
SITE LOCATION

Stantec

PROJECT
JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE
1

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LEGEND:

- 6070 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS LINE
- WATER LINE
- FENCE
- UNDERGROUND ELECTRIC
- PROPERTY BOUNDARY
- ABANDONED MONITORING WELL
- CONOCO PHILLIPS MONITORING WELL
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK
- SURVEY POST
- FENCE
- GATE

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/23/2021	SAH	SAH	SRV

TITLE:

SITE PLAN

PROJECT:

JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 2

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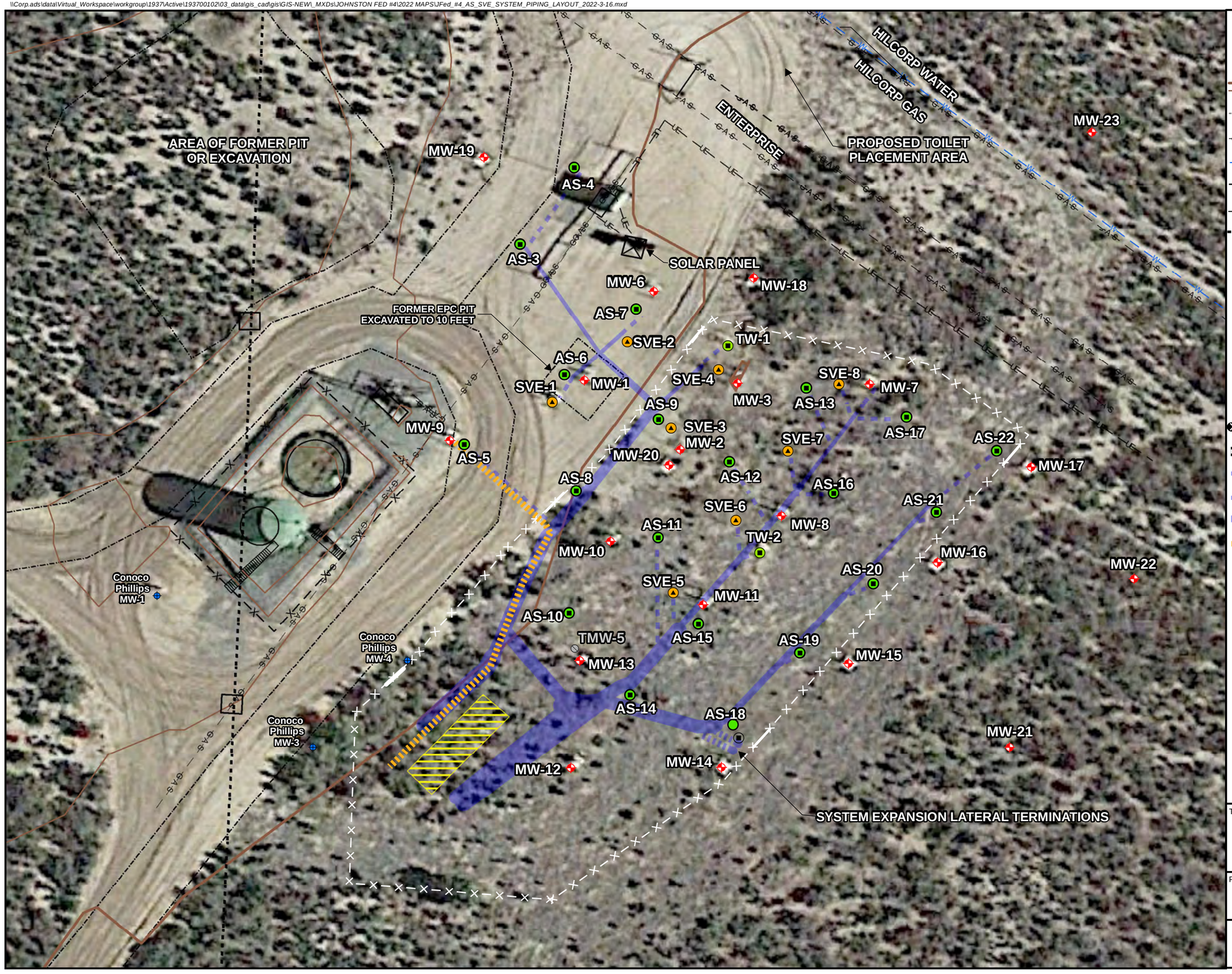

LEGEND:

- 6070 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — GAS LINE
- W — WATER LINE
- X — FENCE
- UE — UNDERGROUND ELECTRIC
- PROPERTY BOUNDARY
- ABANDONED MONITORING WELL
- CONOCO PHILLIPS MONITORING WELL
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK
- SURVEY POST
- FENCE
- GATE
- TRENCH (SHARED)
- TRENCH (UNSHARED)
- LATERALS
- 4-INCH UNDERGROUND CONDUIT
- EQUIPMENT PAD AREA

N

SCALE IN FEET

0 25 50

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-16	SAH	SAH	SRV

TITLE:

AS/SVE SYSTEM PIPING LAYOUT

PROJECT:

JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

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Figure No.: **3**

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SMA BENCHMARK
ELEV 6070.54'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

AREA OF FORMER PIT OR EXCAVATION

FORMER EPC PIT EXCAVATED TO 10 FEET

MW-19
B: 46
T: <0.41
E: 3.4
X: 24

MW-6
B: 4.2
T: <0.41
E: <0.50
X: <1.6 J

MW-18
B: 3.7
T: <0.41
E: 1.0
X:7.0 J

DUP-1
B: 7.4
T: <0.41
E: 2.2
X: 15

MW-23
B: <0.38
T: <0.41
E: <0.50
X: <1.6

MW-9
B: 15
T: <4.1
E: <0.50
X: 1.7 J

MW-1 NS

MW-3 NS

MW-7 NS

MW-2 NS

MW-20
B: 250
T: 7.6
E: 2.7
X: 34

MW-8 NS

MW-16
B: 5.3
T: <0.41
E: <0.50
X: <1.6

MW-17
B: <0.38
T: <0.41
E: <0.50
X: <1.6

MW-10 NS

MW-22 NS

MW-13
B: 560
T: <0.82
E: 5.9
X: 16 J

MW-15
B: 42
T: 1.2
E: 0.83 J
X: 6.9 J

MW-21 NS

MW-12 NS

MW-14 NS

Conoco Phillips MW-1

Conoco Phillips MW-4

Conoco Phillips MW-3

AERIAL IMAGERY FROM GOOGLE EARTH; DATED 4/6/2019.

LEGEND:

- 6070 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — GAS LINE
- W — WATER LINE
- X — FENCE
- UE — UNDERGROUND ELECTRIC
- ABANDONED MONITORING WELL
- MONITORING WELL
- CONOCO PHILLIPS MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

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 METHOD DETECTION 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
	2022-03-16	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 18, 2021

PROJECT:

JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 4

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SMA BENCHMARK
ELEV 6070.54'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

BLM PROPERTY

SEXTON PROPERTY

AREA OF FORMER PIT OR EXCAVATION

FORMER EPC PIT EXCAVATED TO 10 FEET

BP WATER

BP GAS

MW-4 6020.96
MW-19 6021.08
MW-18 6020.94
MW-6 6021.00
MW-1 6021.01
MW-9 6021.06
MW-2 6020.91
MW-20 6020.94
MW-3 6020.89
MW-7 6020.89
MW-8 6020.91
MW-16 6020.81
MW-23 6020.82
MW-10 6020.98
MW-11 6021.00
MW-13 6021.09
MW-12 6025.41*
MW-14 6021.07
MW-15 6020.86
MW-17 6020.79
MW-22 6020.71
MW-21 6020.72

Conoco Phillips MW-1
Conoco Phillips MW-4
Conoco Phillips MW-3

AERIAL IMAGERY FROM GOOGLE EARTH; DATED 4/6/2019.

LEGEND:

- APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS LINE
- WATER LINE
- FENCE
- UNDERGROUND ELECTRIC
- ABANDONED MONITORING WELL
- CONOCO PHILLIPS MONITORING WELL
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- TEST WELL LOCATION
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

6021.08 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).

6020.8 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.1 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

* GROUNDWATER ELEVATION APPEARS ANOMALOUS AND WAS NOT USED TO PREPARE CONTOURING GROUNDWATER ELEVATION.

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2022-03-16	SAH	SAH	SRV

TITLE:
GROUNDWATER ELEVATION MAP
MAY 18, 2021

PROJECT:
JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 5

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SMA BENCHMARK
ELEV 6070.54'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

AREA OF FORMER PIT OR EXCAVATION

FORMER EPC PIT EXCAVATED TO 10 FEET

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

MW-6
B: 1.5
T: <1.0
E: <1.0
X: <10

DUP-1
B: 1.3
T: <1.0
E: <1.0
X: <10

MW-18
B: 4.7
T: <1.0
E: 1.6
X:11

MW-23
B: <1.0
T: <1.0
E: <1.0
X: <10

MW-9
B: 8.9
T: <1.0
E: <1.0
X: <10

MW-20
B: 9.3
T: <1.0
E: <1.0
X: <10

MW-16
B: 150
T: <1.0
E: 5.4
X: <10

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

MW-13
B: 1.6
T: <1.0
E: <1.0
X: <10

MW-15
B: 120
T: 12
E: 3.7
X: 30

MW-1 NS
MW-2 NS
MW-3 NS
MW-4 NS
MW-7 NS
MW-8 NS
MW-10 NS
MW-11 NS
MW-12 NS
MW-14 NS
MW-21 NS
MW-22 NS

Conoco Phillips MW-1
Conoco Phillips MW-4
Conoco Phillips MW-3

AERIAL IMAGERY FROM GOOGLE EARTH; DATED 4/6/2019.

LEGEND:

- 6070 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — GAS LINE
- W — WATER LINE
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- MONITORING WELL
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- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

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µg/L = MICROGRAMS PER LITER
< = BELOW METHOD DETECTION 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
	2022-03-16	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 15, 2021

PROJECT:

JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\JOHNSTON FED #4\2021 MAPS\JFed_#4_GECM_2SA_2021.mxd

SMA BENCHMARK
ELEV 6070.54'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

BLM PROPERTY

SEXTON PROPERTY

AREA OF FORMER PIT OR EXCAVATION

FORMER EPC PIT EXCAVATED TO 10 FEET

BP WATER

BP GAS

Conoco Phillips MW-1

Conoco Phillips MW-4

Conoco Phillips MW-3

MW-4 6020.86

MW-19 6020.99

MW-6 6020.91

MW-18 6020.85

MW-1 6020.94

MW-9 6020.95

MW-2 6020.83

MW-3 6020.83

MW-20 6020.86

MW-10 6020.90

MW-11 6020.91

MW-13 6020.97

MW-12 6025.39*

MW-14 6020.99

MW-7 6020.80

MW-8 6020.80

MW-16 6020.73

MW-15 6020.78

MW-23 6020.75

MW-17 6020.72

MW-22 6020.62

MW-21 6020.65

6020.9

6020.8

6020.7

AERIAL IMAGERY FROM GOOGLE EARTH; DATED 4/6/2019.

LEGEND:

- 6070 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — GAS LINE
- W — WATER LINE
- X — FENCE
- UE — UNDERGROUND ELECTRIC
- ABANDONED MONITORING WELL
- CONOCO PHILLIPS MONITORING WELL
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE FREE PRODUCT
- TEST WELL LOCATION
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

6021.08 — GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).

6020.8 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.1 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

* GROUNDWATER ELEVATION APPEARS ANOMALOUS AND WAS NOT USED TO PREPARE CONTOURING GROUNDWATER ELEVATION.

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2022-03-16	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 15, 2021

PROJECT:

JOHNSTON FED #4
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 7

APPENDICES

APPENDIX A

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

Hi Cory -

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

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

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

Thank you,
Steve

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

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From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: Johnston Federal #4 (Incident #nAUTOfAB000305) - remediation piping installation activities
Date: Friday, May 28, 2021 8:07:40 AM

Hi Cory – this correspondence is to provide notice of the start of remedial piping installation activities at the above-referenced site beginning on Wednesday, June 2, 2021. A work plan detailing the proposed activities was submitted in the e-permitting portal under the subject incident number.

Please contact Joe Wiley, with El Paso CGP Company, or me if you need additional information.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
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From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, May 12, 2021 2:45:52 PM

Hi Cory -

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

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

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
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From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: El Paso CGP Company - Notice of upcoming free product recovery activities
Date: Thursday, August 19, 2021 8:01:00 AM

Hi Cory -

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

Site Name	Incident Number	Sample Date
Fields A#7A	nAUTOfAB000176	08/22/2021
Gallegos Canyon Unit #124E	nAUTOfAB000205	08/23/2021
Johnston Fed #4	nAUTOfAB000305	08/22/2021
K27 LDO72	nAUTOfAB000316	08/23/2021
Knight #1	nAUTOfAB000324	08/23/2021
Lateral L 40 Line Drip	nAUTOfAB000335	08/22/2021

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
Note – we have moved!
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
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From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, November 03, 2021 10:14:55 AM

Hi Cory -

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

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

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
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APPENDIX B

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/8/21 Tuesday
WEATHER: sunny, 57 to 90 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Irvin Kellywood, Halo, operator
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer

VISITORS (name, company)

Ryan Darby, Halo, Superintendent

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E

TASKS PERFORMED

Kick-off and Daily Health and Safety Meetings
Review and discuss work plan and address questions - conduct Site walk with on-site personnel
Inspect BLM-Sexton property boundary markers and reflag as needed
Mark trench traces with spray paint (orange, not used by locators)
Remove a portion of the fencing to access brush removal area and fenced-in work area
Remove brush - staged onsite for removal by Halo
Level and stake with T-posts 10x30 area for equipment pad
Soft-dig around AS-22 and AS-21 to access stickups, and trench approximately 40 linear feet in same area

Lengths of Trenching and piping (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	40	foot	40	7%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	0	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Porta-John was not delivered to site. Subcontractor apparently dropped it at another site - it should arrive 6/9/2021.
With no significant material on-site, overnight security was not needed for first night.
Reminded Halo that onsite field personnel must be pre-approved and have completed Kinder Morgan Core training certification.

NEXT DAY'S PLANNED ACTIVITIES

Continue trenching inside fenced area.
Track arrival status of HDPE, fittings, gravel.

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/9/21 Wednesday
WEATHER: sunny, 48 to 91 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer

VISITORS (name, company)

None

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer

TASKS PERFORMED

Daily Health and Safety Meetings
Trenched approximately 450 feet, completing all trenching inside fenced area
Pull bollards and stickup vault from TW-1 (to be recycled)
Install temporary hi-vis fencing around open trenches
Load brush and concrete rubble in container for removal from site
Follow-up with Halo regarding material supply delivery

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	450	foot	490	82%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	0	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Porta-John was delivered to site.
HDPE and pressure testing equipment have yet to be delivered.

NEXT DAY'S PLANNED ACTIVITIES

Follow-up/receive HDPE and associated fittings.
Remove bollards and debris from site.
Begin cutting and installing HDPE when it arrives.

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/10/21 Thursday
WEATHER: sunny, 48 to 92 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer
Jeremy Francisco, Overnight Security

VISITORS (name, company)

Jonathan Martinez, Halo

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer

TASKS PERFORMED

Daily Health and Safety Meetings
Stage and inventory delivered pipe and fittings
Cut stickups to facilitate installation of galvanized T's at intended depth
Load bollards for removal from site to storage shed
Place 1" HDPE and 2" HDPE in trenches for all fenced-in wells (excluding contingent lines, which will be installed last)
Begin assembling fittings for stickups
Follow-up with Halo regarding material supply delivery (awaiting additional HDPE - metal NPT fittings for 1" HDPE)

Lengths of Trenching and Installed Piping (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	450	foot	490	82%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	0	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

HDPE arrived in early afternoon. Various fittings arrived, sufficent 2" HDPE-NPT fittings onsite for SVE wells; additional 1" fittings needed (only have 4) to complete AS work. These are backordered until Tuesday.
Halo to bring HDPE fusion equipment and pressure testing equipment on Friday.

NEXT DAY'S PLANNED ACTIVITIES

Follow up on 1" transition fittings
Fuse fittings to SVE-3 through SVE-6 , pressure test, and install T's
Fuse 4 available 1" fittings to AS wells, pressure test, install T's

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/11/21 Friday
WEATHER: sunny, 48 to 92 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer
Jeremy Francisco, Overnight Security

VISITORS (name, company)

Jonathan Martinez, Halo

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer

TASKS PERFORMED

Daily Health and Safety Meetings
Construct pressure testing aparatus
Install individual 14 gauge insulated tracer wire on all fenced in laterals (excluding contingent lines, which will be installed last)
Continue assembling fittings for stickups.
Inventory remaining required PVC compnents for use with galvanized fittings
Follow-up with Halo regarding material supply delivery (require more HDPE - metal NPT fittings for 1" HDPE

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	450	foot	490	82%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	0	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Halo to pick up and bring (8) 4" threaded to PVC slip fittings for use with remaining 4" tees
Halo to bring HDPE fusion equipment and pressure testing equipment tomorrow (will work a part day).
Halo to advise Monday about status of additional 1" HDPE-galv NPT fittings.

NEXT DAY'S PLANNED ACTIVITIES (Group to work a shorter day Saturday, then resume Monday)

Heat fuse HDPE-NPT fittings on to SVE-3 through SVE-8.
Pressure test SVE-3 through SVE-8.
Install Tees and stickups for SVE-3 through SVE-8.
Use (4) 1" HDPE transition fittings currently onsite to being AS wells in AS-19 through AS-22 trench.

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/12/21 Saturday
WEATHER: sunny, ~50 to 98 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer
Julian Gomez Halo, (Laborer, HDPE welder)
Jeremy Francisco, Halo, Overnight Security

VISITORS (name, company)

none.

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer
McElroy HDPE Butt-Fusion Kit

TASKS PERFORMED

Daily Health and Safety Meetings
Install transition fittings on both ends of AS-21, AS-22, and SVE-3 through SVE-8 with butt-fusion welding.
Perform Shut-in pressure testing on 8 lines listed above.
Install galvanized Tee's and glue PVC slip fittings for remediation well connections listed above.
Continue assembling fittings for additional remediation well connections.
Follow-up with Halo regarding remaining material supply delivery.

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	450	foot	490	82%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	0	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Remaining parts needed include 40 1" HDPE transition fittings.

NEXT DAY'S PLANNED ACTIVITIES

Mark C-channels and begin securing finished SVE/AS lines (8 listed above)
Place gravel for equipment pad
Begin installing contingent AS lines (monitoring remainder of HDPE onsite to ensure adequate supply for AS lines in operating area)

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/14/21 Monday
WEATHER: sunny, ~50 to 101 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Jeremy Francisco, Halo, Overnight Security

VISITORS (name, company)

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer

TASKS PERFORMED

Daily Health and Safety Meetings
Open up trenching near gallery area to begin installing piping stickups.
Measure and mark C-channels. Attach SVE-3 through SVE-8 to C-channel.
Install 8 contingent 1" AS lines with dedicated tracer wire. Install pipes to C-channel per RFQ.
Install gravel equipment pad.
Complete assembly of 2" galvanized tees
Follow-up with Halo regarding remaining material supply deliveries (expecting delivery today for use tomorrow).

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	450	foot	490	82%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	0	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Sean Clary to contact Hilcorp to schedule oversight of work in operations area.
No PID detections or suspected impacted soils encountered in any trenches completed.

NEXT DAY'S PLANNED ACTIVITIES

Begin installing contingent SVE lines according to RFQ
Level gravel pad with transit and rake/shovels.
Perform HDPE fusion on AS wells in fenced areas (excluding AS-21 and AS-22)
Pressure test AS wells following completion of HDPE welding.

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/15/21 Tuesday
WEATHER: sunny, ~50 to 102 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer
Julian Gomez Halo, (Laborer, HDPE welder)
Jeremy Francisco, Halo, Overnight Security

VISITORS (name, company)

None

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer
McElroy HDPE Butt-Fusion Kit
Spectra LL100N laser level/transit

TASKS PERFORMED

Daily Health and Safety Meetings
Level gravel pad with laser transit
Install transition fittings on both ends of all remaining AS wells in fenced in area.
Remove bollards and casing from SVE-1
Trench area around AS-6, AS-7, SVE-1, SVE-2 and install HDPE with 14 gauge tracer wire.
Install transition fittings on both ends of AS-6, AS-7, SVE-1, SVE-2
Pressure test AS-14, AS-18, AS-19, AS-20, AS-6 and install Tees.
Stage 5 cy of flowable sand fill for backfilling in operations area
Contact Bryce with Hilcorp to plan work near Hilcorp infrastructure

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	450	foot	490	82%
AS Piping	2800 (LS)	0	foot	0	
SVE Piping	2000 (LS)	0	foot	0	
Electrical Conduit	200 (LS)	0	foot	0	
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	5	Yards	5	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

HDPE transition fittings arrived onsite with Halo crew.
Crossing under Hilcorp above ground line will occur at 9:00 AM Wednesday 6/16/2021.
4 more Morris vaults needed for operations area. Wells without concrete pads will remain fenced in until installation.

NEXT DAY'S PLANNED ACTIVITIES

Complete trenching to AS-3 through AS-5 and install HDPE (including transitions).
Pressure test remaining lines in operations area, conduct stickups, and backfill according to RFQ with flowable sand and native fill.
Place 3'x3'x1' concrete pads around AS-3, AS-4, and AS-5 with Morris vaults.
Continue pressure testing other lines and assembling tees and stickups.

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/16/21 Wednesday
WEATHER: sunny, ~50s to 103 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer
Julian Gomez, Halo, (Laborer, HDPE welder)
Jeremy Francisco, Halo, Overnight Security

VISITORS (name, company)

Bryce Frost, Hilcorp

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer
McElroy HDPE Butt-Fusion Kit
Honda Plate Compactor

TASKS PERFORMED

Daily Health and Safety Meetings.
Trench pathway to AS-3 through AS-5. Install HDPE, weld transition fittings, pressure test, and assemble tees and stickups.
Crossed under Hilcorp's above ground line ~12" bgs with Bryce Frost onsite.
Lay pipe bedding according to RFQ. Keeping HDPE laterals seperated and and lifting slightly to allow flowable sand to settle beneath each line.
Install conduit for electric lines/cables. Stub up near MW-9.
Backfill Operations area.
Install concrete pads and Morris vaults on AS-3, AS-4, and AS-6.
Perform vibrating compaction on operations area where trenches were placed.

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	110	foot	600	100%
AS Piping	2800 (LS)	~350	foot	2800	100%
SVE Piping	2000 (LS)	0	foot	1200	60%
Electrical Conduit	200 (LS)	200	foot	200	100%
Clear Brush	Set Area	1	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	Yards	0	Likley going to the Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	0	Yards	0	
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	0	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	5	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Hilcorp witnessed hand-shoveled near Hilcorp line. No issues.
Trenching complete for project. HDPE welding complete, unless an AS fitting fails shut-in and requires rewelding.
Halo to bring additional pallet of concrete bags and additional spool of 14 gauge tracer wire for 6/17/2021.

NEXT DAY'S PLANNED ACTIVITIES

Install Morris vaults (and 3'x3' concrete pads) on AS-5, AS-7, SVE-1, and SVE-2
Continue pressure testing other lines, assembling stickups, and begin backfilling (as time allows) with installation of green valve boxes

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/17/21 Thursday
WEATHER: sunny, ~60s to 103 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Edward Diaz, Halo, laborer
Julian Gomez, Halo, (Laborer, HDPE welder)
Jeremy Francisco, Halo, Overnight Security

VISITORS (name, company)

none.

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer
McElroy HDPE Butt-Fusion Kit
Honda Plate Compactor

TASKS PERFORMED

Daily Health and Safety Meetings
Completed pressure testing of remaining lines.
Constructed concrete pads for remaining 4 wells in operations area.
Installed (8) 2" contingent SVE lines with individual tracer wire.
Install remaining 2" tees and stickups. Install threaded fittings on 2" stickups, replacing comperssion J plugs.
Remove brush/concrete from site. (to Farmington Landfill/Composting Facility)
Backfill westernmost trench, near pipe gallery, and northeast corner and installed 10 valve boxes.

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2800 (LS)	0	foot	2800	100%
SVE Piping	2000 (LS)	0	foot	2000	100%
Electrical Conduit	200 (LS)	0	foot	200	100%
Clear Brush	Set Area	0	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	1	partial rolloff	1	Farmington Landfill (Composting)
Exported Debris/Rocks	0 (CO)	1	partial rolloff	1	Farmington Landfill
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	5	
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	5	
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Expect to finish work 6/18/2021

NEXT DAY'S PLANNED ACTIVITIES

Install remaining 13 valve boxes
Complete backfilling
Reconstruct fence and gates according to scope of work.
Seed disturbed area with BLM blend grass seed.
Remove any remaining equipment, supplies, and trash.

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

Stantec

DAILY FIELD REPORT
Earthwork and AS/SVE Piping Installation

El Paso CGP Company
1001 Louisiana
Houston, Texas 77002

Johnston Federal #4
Groundwater Pit Site

DATE: 6/18/21 Friday
WEATHER: sunny, ~60s to 101 F
PROJECT No.: 193710303

Everyone Safely Off Site: Yes

ON-SITE PERSONNEL (name, company, project role)

Sean Clary, Stantec, project oversight
Octavio Mingura, Halo, operator
Irvin Kellywood, Halo, laborer
Hayes Happy, Halo, Laborer
Justin Toledo, Halo, laborer
Julian Gomez Halo, (Laborer, HDPE welder)

VISITORS (name, company)

none.

CONSTRUCTION EQUIPMENT (type, model)

Cat mini excavator, 305.5E
Bobcat Skid Steer
Honda Plate Compactor

TASKS PERFORMED

Daily Health and Safety Meetings
Completed backfilling and installing remaining valve boxes
Replace all fencing, install access gates
Remove remaining equipment, bollards, etc. from site

Lengths of Trenching/Piping/Berming (linear feet)

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	Percent of Project Scope of Work/Bid
Trenching	600 (LS)	0	foot	600	100%
AS Piping	2800 (LS)	0	foot	2800	100%
SVE Piping	2000 (LS)	0	foot	2000	100%
Electrical Conduit	200 (LS)	0	foot	200	100%
Clear Brush	Set Area	0	N/A	1	100%

Note: LS = Lump Sum Total Amount

LOADS of MATERIAL TRANSPORTED

TYPE	BID AMOUNT	DAILY NUMBER	UNIT / OTHER	CUMULATIVE TOTALS	DESTINATION/SOURCE
Exported Cleared Brush	Lump Sum	0	partial rolloff	1	Farmington Landfill
Exported Debris/Rocks	0 (CO)	0	partial rolloff	1	Farmington Landfill
Exported Impacted Soil	0 (CO)	0	Yards	0	
Imported Road Stone	Lump Sum	0	Yards	5	Mesa Gravel
Imported Fill Sand (Pipe Bedding)	Lump Sum	0	Yards	5	Mesa Gravel
Imported Clean Backfill Soil	10 (LS)	0	Yards	0	

Note: CO = Not included in Bid Amount and Subject to Change Order

PROJECT COMMENTS/NOTES (health and safety, operational issues/concerns, corrective actions, etc.)

Work completed 6/18/2021

NEXT DAY'S PLANNED ACTIVITIES

Demobilize

PREPARED BY: Sean Clary

REVIEWED BY: Steve Varsa

APPENDIX C

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 1 **Photo Location:** Johnston Federal #4 **Direction:** Northeast **Survey Date:** 6/8/2021 **Comments:** Operator uses mini-ex to clear brush and pile in staged area.	
Photograph ID: 2 **Photo Location:** Johnston Federal #4 **Direction:** South **Survey Date:** 6/8/2021 **Comments:** Operator trenches near AS-22 and AS-21	

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 3

Photo Location:
Johnston Federal #4

Direction:
East

Survey Date:
6/9/2021

Comments:
View of trenching intesection. Wide trench on right of image is to accommodate contingent AS/SVE lines.

Photograph ID: 4

Photo Location:
Johnston Federal #4

Direction:
South

Survey Date:
6/9/2021

Comments:
Foreground, orange fencing installed around open trench. Background, red cage used to containerize brush and rollof for debris visable.

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 5 **Photo Location:** Johnston Federal #4 **Direction:** Northeast **Survey Date:** 6/10/2021 **Comments:** AS lines in shared trench, near equipment pad area.	
Photograph ID: 6 **Photo Location:** Johnston Federal #4 **Direction:** N/A **Survey Date:** 6/10/2021 **Comments:** SVE well to piping fittings being assembled in a chain vise	

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 7 **Photo Location:** Johnston Federal #4 **Direction:** N/A **Survey Date:** 6/11/2021 **Comments:** A worker wraps tracer wire around a 1" AS line to be taped in place	
Photograph ID: 8 **Photo Location:** Johnston Federal #4 **Direction:** N/A **Survey Date:** 6/12/2021 **Comments:** Pressure testing SVE lateral.	

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 9

Photo Location:
Johnston Federal #4

Direction:
N/A

Survey Date:
6/12/2021

Comments:
Workers assemble an SVE stickup.

Photograph ID: 10

Photo Location:
Johnston Federal #4

Direction:
Northeast

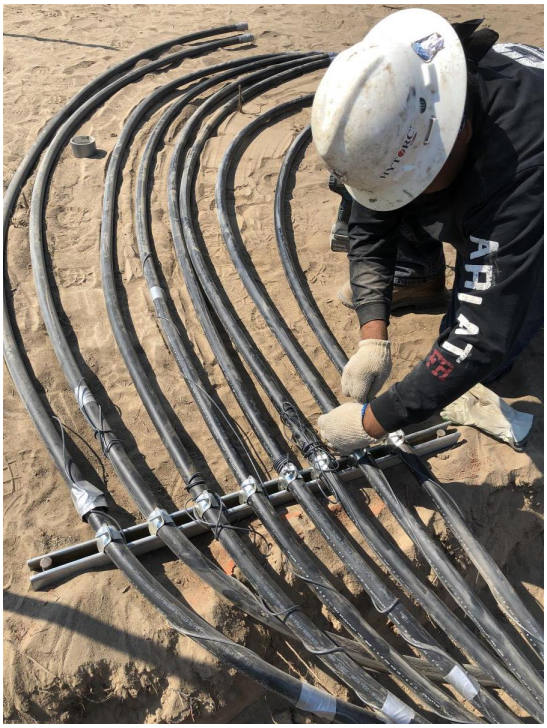
Survey Date:
6/14/2021

Comments:
Gravel for equipment pad has been placed for leveling, open trenching visible in background.

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 11 **Photo Location:** Johnston Federal #4 **Direction:** N/A **Survey Date:** 6/14/2021 **Comments:** Worker connects contingent AS lines to C-channel at 3.5" spacing on center.	
Photograph ID: 12 **Photo Location:** Johnston Federal #4 **Direction:** North **Survey Date:** 6/15/2021 **Comments:** View of site near contingent AS/SVE termination.	

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 13

Photo Location:
Johnston Federal #4

Direction:
Southeast

Survey Date:
6/15/2021

Comments:
Laser transit to level gravel pad.

Photograph ID: 14

Photo Location:
Johnston Federal #4

Direction:
North

Survey Date:
6/16/2021

Comments:
View facing north from NW corner of equipment pad area. Trenches in to operation area visible.

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 15 **Photo Location:** Johnston Federal #4 **Direction:** South **Survey Date:** 6/16/2021 **Comments:** Sand bedding placed over laterals extending from AS-3 and AS-4	
Photograph ID: 16 **Photo Location:** Johnston Federal #4 **Direction:** West **Survey Date:** 6/16/2021 **Comments:** ~12" deep hand-dug trench under Hilcorp pipe.	

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 17

Photo Location: Johnston Federal #4

Direction: North

Survey Date: 6/16/2021

Comments: Worker place concrete around Morris vault with 12" skirt.

Photograph ID: 18

Photo Location: Johnston Federal #4

Direction: Northeast

Survey Date: 6/17/2021

Comments: AS-1 through AS-22 pipe gallery.

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 19

Photo Location:
Johnston Federal #4

Direction:
Southeast

Survey Date:
6/17/2021

Comments:
Equipment pad: Top Left - AS-1 through AS-22. Top Right - CL - 1 through CL -8. Bottom - SVE-1 through SVE-8 and 8 2" contingent lines.

Photograph ID: 20

Photo Location:
Johnston Federal #4

Direction:
East

Survey Date:
6/18/2021

Comments:
View of final conditions at access road crossing.

Stantec

Photographic Log

Client:	**El Paso CGP Company**	**Project:**	**193710303**
Site Name:	**Johnston Federal #4**	**Site Location:**	**San Juan River Basin, New Mexico**

Photograph ID: 21

Photo Location:
Johnston Federal #4

Direction:
Easr

Survey Date:
6/18/2021

Comments:
Assembling access gate.

Photograph ID: 22

Photo Location:
Johnston Federal #4

Direction:
East

Survey Date:
3/17/2022

Comments:
View from SW corner of site.

APPENDIX D

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

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

NO. 806752

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

DATE 03-18-21

DEL. TKT#.

GENERATOR: Santec

BILL TO: ~~Enterprise~~ Santec

HAULING CO. Energy Minerals & Natural Res.

DRIVER: Tyrone
(Print Full Name)

ORDERED BY: Steve Vesa

CODES:

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

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Canada Mesa #2	3	TD			12	
2		K-27 CD072					'21 MAR 18 6:22PM	
3		Johnston Fed #4						
4		Johnston Fed #6A						
5		Lat L40						

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

DATE 05-21-21 DEL. TKT#.

GENERATOR: EL PASO BILL TO: EL PASO

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

ORDERED BY: Joe Wiley CODES:

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

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Standard Oil Com #1 / Knight #1 / GCU #124E		120				
2		GCU Com A #142E					'21 MAY 21 3:23 PM	
3		Johnston Fed #4 / #6A						
4		Sundoval GC A #1A /						
5		CANADA MESA #2 K-27-20S-32E, Miley Fed #1A						

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

☐ Approved ☐ Denied ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 2020 1973-1

Page 79 of 142
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BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. 813739

NMOCD PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE 8-25-21

GENERATOR: El Paso CGP

HAULING CO. San Stanley

ORDERED BY: Tom W.

DEL. TKT#.

BILL TO: El Paso CGP

DRIVER: Sarah

(Print Full Name)

CODES:

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

STATE: ☐ NM ☐ CO ☐ AZ ☐ UT

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Fields A 7A	1	70				
2		Johnston Fed #4	1					
3		Lat. L 40	1				2.10	
4								
5								

representative or authorized agent for El Paso CGP Company

Page 81 of 142

BASIN DISPOSAL
30 Years of Environmental Health and Safety Excellence
200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. 817612
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-15-21
GENERATOR: El paso CGP
HAULING CO. Stanteck
ORDERED BY: Joe wiley

DEL. TKT#.
BILL TO: El paso CGP
DRIVER: Sean C.
(Print Full Name)
CODES:

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

STATE: ☑ NM ☐ CO ☐ AZ ☐ UT

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		State gas com N #1.	1	70			70 NOV 15 3:47 PM	
2		Ficks A #7A, Fogelson #4						
3		Johnston fed #4, Johnston fed #4A						
4		Sandoval GC A #1A						
5								

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

☑ Approved ☐ Denied ATTENDANT SIGNATURE _____

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APPENDIX E

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-203717-1
Client Project/Site: Johnston Fed #4

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

Attn: Steve Varsa

Marty Edwards

Authorized for release by:
6/7/2021 4:04:29 PM

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

LINKS

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

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

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Laboratory Job ID: 400-203717-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-203717-1
Project/Site: Johnston Fed #4

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Job ID: 400-203717-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-203717-1

Comments
No additional comments.

Receipt
The samples were received on 5/21/2021 9:07 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-13 (400-203717-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-9 (400-203717-4).

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

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

Released to Imaging: 5/17/2023 12:59:57 PM

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: TB-01 — Lab Sample ID: 400-203717-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-203717-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	7.4		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	2.2		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	15		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-203717-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	4.2		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-203717-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	15		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	1.7	J	10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 400-203717-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	560		2.0		ug/L	2		8260C	Total/NA
Ethylbenzene	5.9		2.0		ug/L	2		8260C	Total/NA
Xylenes, Total	16	J	20		ug/L	2		8260C	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 400-203717-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	42		1.0		ug/L	1		8260C	Total/NA
Toluene	1.2		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	0.83	J	1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	6.9	J	10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 400-203717-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	5.3		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 400-203717-8

No Detections.

Client Sample ID: MW-18 — Lab Sample ID: 400-203717-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	3.7		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.0		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	7.0	J	10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 400-203717-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	46		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	3.4		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	24		10		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-20 — Lab Sample ID: 400-203717-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	250		1.0		ug/L	1		8260C	Total/NA
Toluene	7.6		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	2.7		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	34		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-23 — Lab Sample ID: 400-203717-12

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-203717-1	TB-01	Water	05/18/21 10:40	05/21/21 09:07	
400-203717-2	DUP-01	Water	05/18/21 11:50	05/21/21 09:07	
400-203717-3	MW-6	Water	05/18/21 11:06	05/21/21 09:07	
400-203717-4	MW-9	Water	05/18/21 12:15	05/21/21 09:07	
400-203717-5	MW-13	Water	05/18/21 11:19	05/21/21 09:07	
400-203717-6	MW-15	Water	05/18/21 11:24	05/21/21 09:07	
400-203717-7	MW-16	Water	05/18/21 11:33	05/21/21 09:07	
400-203717-8	MW-17	Water	05/18/21 11:42	05/21/21 09:07	
400-203717-9	MW-18	Water	05/18/21 10:50	05/21/21 09:07	
400-203717-10	MW-19	Water	05/18/21 11:53	05/21/21 09:07	
400-203717-11	MW-20	Water	05/18/21 11:59	05/21/21 09:07	
400-203717-12	MW-23	Water	05/18/21 12:08	05/21/21 09:07	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: TB-01

Date Collected: 05/18/21 10:40
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0		ug/L			05/30/21 16:22	1
Toluene	<0.41		1.0		ug/L			05/30/21 16:22	1
Ethylbenzene	<0.50		1.0		ug/L			05/30/21 16:22	1
Xylenes, Total	<1.6		10		ug/L			05/30/21 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/30/21 16:22*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*05/30/21 16:22*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/30/21 16:22*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: DUP-01

Date Collected: 05/18/21 11:50
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.4**		1.0		ug/L			05/30/21 16:49	1
Toluene	<0.41		1.0		ug/L			05/30/21 16:49	1
Ethylbenzene	**2.2**		1.0		ug/L			05/30/21 16:49	1
Xylenes, Total	**15**		10		ug/L			05/30/21 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*05/30/21 16:49*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*05/30/21 16:49*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/30/21 16:49*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-6

Date Collected: 05/18/21 11:06
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.2**		1.0		ug/L			05/30/21 17:17	1
Toluene	<0.41		1.0		ug/L			05/30/21 17:17	1
Ethylbenzene	<0.50		1.0		ug/L			05/30/21 17:17	1
Xylenes, Total	<1.6		10		ug/L			05/30/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/30/21 17:17*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*05/30/21 17:17*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/30/21 17:17*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-9
Date Collected: 05/18/21 12:15
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15**		1.0		ug/L			05/30/21 17:44	1
Toluene	<0.41		1.0		ug/L			05/30/21 17:44	1
Ethylbenzene	<0.50		1.0		ug/L			05/30/21 17:44	1
Xylenes, Total	**1.7**	**J**	10		ug/L			05/30/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/30/21 17:44*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*05/30/21 17:44*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/30/21 17:44*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-13
Date Collected: 05/18/21 11:19
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-5
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**560**		2.0		ug/L			05/30/21 20:56	2
Toluene	<0.82		2.0		ug/L			05/30/21 20:56	2
Ethylbenzene	**5.9**		2.0		ug/L			05/30/21 20:56	2
Xylenes, Total	**16**	**J**	20		ug/L			05/30/21 20:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*05/30/21 20:56*	*2*
Dibromofluoromethane	*105*		*81 - 121*		*05/30/21 20:56*	*2*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/30/21 20:56*	*2*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-15

Date Collected: 05/18/21 11:24
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	42		1.0		ug/L			05/30/21 18:39	1
Toluene	1.2		1.0		ug/L			05/30/21 18:39	1
Ethylbenzene	0.83	J	1.0		ug/L			05/30/21 18:39	1
Xylenes, Total	6.9	J	10		ug/L			05/30/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/30/21 18:39*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*05/30/21 18:39*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/30/21 18:39*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-16

Date Collected: 05/18/21 11:33
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.3**		1.0		ug/L			06/01/21 13:46	1
Toluene	<0.41		1.0		ug/L			06/01/21 13:46	1
Ethylbenzene	<0.50		1.0		ug/L			06/01/21 13:46	1
Xylenes, Total	<1.6		10		ug/L			06/01/21 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*06/01/21 13:46*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*06/01/21 13:46*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/01/21 13:46*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-17
Date Collected: 05/18/21 11:42
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-8
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0		ug/L			06/01/21 14:13	1
Toluene	<0.41		1.0		ug/L			06/01/21 14:13	1
Ethylbenzene	<0.50		1.0		ug/L			06/01/21 14:13	1
Xylenes, Total	<1.6		10		ug/L			06/01/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*06/01/21 14:13*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*06/01/21 14:13*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*06/01/21 14:13*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-18
Date Collected: 05/18/21 10:50
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-9
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.7**		1.0		ug/L			05/30/21 19:06	1
Toluene	<0.41		1.0		ug/L			05/30/21 19:06	1
Ethylbenzene	**1.0**		1.0		ug/L			05/30/21 19:06	1
Xylenes, Total	**7.0**	**J**	10		ug/L			05/30/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*05/30/21 19:06*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*05/30/21 19:06*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/30/21 19:06*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-19

Date Collected: 05/18/21 11:53
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**46**		1.0		ug/L			05/30/21 19:34	1
Toluene	<0.41		1.0		ug/L			05/30/21 19:34	1
Ethylbenzene	**3.4**		1.0		ug/L			05/30/21 19:34	1
Xylenes, Total	**24**		10		ug/L			05/30/21 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*05/30/21 19:34*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*05/30/21 19:34*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/30/21 19:34*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-20

Date Collected: 05/18/21 11:59
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-11

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**250**		1.0		ug/L			05/30/21 20:01	1
Toluene	**7.6**		1.0		ug/L			05/30/21 20:01	1
Ethylbenzene	**2.7**		1.0		ug/L			05/30/21 20:01	1
Xylenes, Total	**34**		10		ug/L			05/30/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*05/30/21 20:01*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*05/30/21 20:01*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/30/21 20:01*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-23
Date Collected: 05/18/21 12:08
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-12
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0		ug/L			05/30/21 20:28	1
Toluene	<0.41		1.0		ug/L			05/30/21 20:28	1
Ethylbenzene	<0.50		1.0		ug/L			05/30/21 20:28	1
Xylenes, Total	<1.6		10		ug/L			05/30/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*05/30/21 20:28*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*05/30/21 20:28*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/30/21 20:28*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

GC/MS VOA

Analysis Batch: 533810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203717-1	TB-01	Total/NA	Water	8260C	
400-203717-2	DUP-01	Total/NA	Water	8260C	
400-203717-3	MW-6	Total/NA	Water	8260C	
400-203717-4	MW-9	Total/NA	Water	8260C	
400-203717-5	MW-13	Total/NA	Water	8260C	
400-203717-6	MW-15	Total/NA	Water	8260C	
400-203717-9	MW-18	Total/NA	Water	8260C	
400-203717-10	MW-19	Total/NA	Water	8260C	
400-203717-11	MW-20	Total/NA	Water	8260C	
400-203717-12	MW-23	Total/NA	Water	8260C	
MB 400-533810/4	Method Blank	Total/NA	Water	8260C	
LCS 400-533810/1002	Lab Control Sample	Total/NA	Water	8260C	
400-203932-A-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-203932-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 533848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203717-7	MW-16	Total/NA	Water	8260C	
400-203717-8	MW-17	Total/NA	Water	8260C	
MB 400-533848/4	Method Blank	Total/NA	Water	8260C	
LCS 400-533848/1002	Lab Control Sample	Total/NA	Water	8260C	
400-203987-A-3 MS	Matrix Spike	Total/NA	Water	8260C	
400-203987-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

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

Lab Sample ID: MB 400-533810/4
Matrix: Water
Analysis Batch: 533810

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0		ug/L			05/30/21 11:21	1
Toluene	<0.41		1.0		ug/L			05/30/21 11:21	1
Ethylbenzene	<0.50		1.0		ug/L			05/30/21 11:21	1
Xylenes, Total	<1.6		10		ug/L			05/30/21 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/30/21 11:21*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*05/30/21 11:21*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/30/21 11:21*	*1*

Lab Sample ID: LCS 400-533810/1002
Matrix: Water
Analysis Batch: 533810

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	57.7		ug/L		115	70 - 130		
Toluene			50.0	51.7		ug/L		103	70 - 130		
Ethylbenzene			50.0	54.4		ug/L		109	70 - 130		
Xylenes, Total			100	108		ug/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: 400-203932-A-2 MS
Matrix: Water
Analysis Batch: 533810

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	<0.38		50.0	54.3		ug/L		109	56 - 142		
Toluene	<0.41		50.0	42.9		ug/L		86	65 - 130		
Ethylbenzene	<0.50		50.0	40.1		ug/L		80	58 - 131		
Xylenes, Total	<1.6		100	81.0		ug/L		81	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: 400-203932-A-2 MSD
Matrix: Water
Analysis Batch: 533810

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	<0.38		50.0	51.4		ug/L		103	56 - 142	5	30
Toluene	<0.41		50.0	39.9		ug/L		80	65 - 130	7	30
Ethylbenzene	<0.50		50.0	35.6		ug/L		71	58 - 131	12	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

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

Lab Sample ID: 400-203932-A-2 MSD
Matrix: Water
Analysis Batch: 533810

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	<1.6		100	71.3		ug/L		71	59 - 130	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*109*		*81 - 121*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: MB 400-533848/4
Matrix: Water
Analysis Batch: 533848

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0		ug/L			06/01/21 09:11	1
Toluene	<0.41		1.0		ug/L			06/01/21 09:11	1
Ethylbenzene	<0.50		1.0		ug/L			06/01/21 09:11	1
Xylenes, Total	<1.6		10		ug/L			06/01/21 09:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*06/01/21 09:11*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*06/01/21 09:11*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/01/21 09:11*	*1*

Lab Sample ID: LCS 400-533848/1002
Matrix: Water
Analysis Batch: 533848

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	59.7		ug/L		119	70 - 130		
Toluene			50.0	52.1		ug/L		104	70 - 130		
Ethylbenzene			50.0	54.6		ug/L		109	70 - 130		
Xylenes, Total			100	109		ug/L		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*89*		*80 - 120*

Lab Sample ID: 400-203987-A-3 MS
Matrix: Water
Analysis Batch: 533848

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	<0.38		50.0	54.3		ug/L		109	56 - 142		
Toluene	<0.41		50.0	44.8		ug/L		90	65 - 130		
Ethylbenzene	<0.50		50.0	44.7		ug/L		89	58 - 131		
Xylenes, Total	<1.6		100	89.7		ug/L		90	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

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

Lab Sample ID: 400-203987-A-3 MS
Matrix: Water
Analysis Batch: 533848

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*91*		*78 - 118*
Dibromofluoromethane	*106*		*81 - 121*
Toluene-d8 (Surr)	*88*		*80 - 120*

Lab Sample ID: 400-203987-A-3 MSD
Matrix: Water
Analysis Batch: 533848

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	<0.38		50.0	59.7		ug/L		119	56 - 142	10	30
Toluene	<0.41		50.0	48.7		ug/L		97	65 - 130	8	30
Ethylbenzene	<0.50		50.0	48.5		ug/L		97	58 - 131	8	30
Xylenes, Total	<1.6		100	96.7		ug/L		97	59 - 130	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*89*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: TB-01 — Lab Sample ID: 400-203717-1

Date Collected: 05/18/21 10:40 — **Matrix: Water**
Date Received: 05/21/21 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 16:22	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: DUP-01 — Lab Sample ID: 400-203717-2

Date Collected: 05/18/21 11:50 — **Matrix: Water**
Date Received: 05/21/21 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 16:49	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-6 — Lab Sample ID: 400-203717-3

Date Collected: 05/18/21 11:06 — **Matrix: Water**
Date Received: 05/21/21 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 17:17	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-9 — Lab Sample ID: 400-203717-4

Date Collected: 05/18/21 12:15 — **Matrix: Water**
Date Received: 05/21/21 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 17:44	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-13 — Lab Sample ID: 400-203717-5

Date Collected: 05/18/21 11:19 — **Matrix: Water**
Date Received: 05/21/21 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	533810	05/30/21 20:56	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-15 — Lab Sample ID: 400-203717-6

Date Collected: 05/18/21 11:24 — **Matrix: Water**
Date Received: 05/21/21 09:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 18:39	SAB	TAL PEN
	Instrument ID: CH_WASP									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Client Sample ID: MW-16
Date Collected: 05/18/21 11:33
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533848	06/01/21 13:46	EEH	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-17
Date Collected: 05/18/21 11:42
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533848	06/01/21 14:13	EEH	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-18
Date Collected: 05/18/21 10:50
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 19:06	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-19
Date Collected: 05/18/21 11:53
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 19:34	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-20
Date Collected: 05/18/21 11:59
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 20:01	SAB	TAL PEN
	Instrument ID: CH_WASP									

Client Sample ID: MW-23
Date Collected: 05/18/21 12:08
Date Received: 05/21/21 09:07

Lab Sample ID: 400-203717-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533810	05/30/21 20:28	SAB	TAL PEN
	Instrument ID: CH_WASP									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

Laboratory: Eurofins TestAmerica, Pensacola

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

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

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Fed #4

Job ID: 400-203717-1

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

Protocol References:

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

Laboratory References:

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

Released to Imaging: 5/17/2023 12:59:57 PM
Received by OCD: 3/30/2022 1:02:36 PM

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

Chain of Custody Record

400-203717 COC

eurofins | Environment Testing America

Client Information	Sampler: SRC, MW	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-102803-36538.2
Client Contact: Steve Varsa	Phone: 913-980-0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 2 of 2 1 of 2
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STP			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Johnston Fed #4.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

W - SRC - STN - 05-06-21
SRC-07

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) BTEX 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
TB-01	5/18/2021	1040	G	Water				2	Trip Blank
DUP-01	5/18/2021	1150	G	Water			X	3	Duplicate
MW-6	5/18/2021	1106	G	Water			X	3	
MW-9	5/18/2021	1215	G	Water			X	3	
MW-13	5/18/2021	1119	G	H2O			X	3	
MW-15	5/18/2021	1124	G	H2O			X	3	
MW-16	5/18/2021	1133	G	H2O			X	3	
MW-17	5/18/2021	1142	G	H2O			X	3	
MW-18	5/18/2021	1050	G	H2O			X	3	
MW-19	5/18/2021	1153	G	H2O			X	3	
MW-20	5/18/2021	1159	G	H2O			X	3	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Sam Clegg / STN	Date/Time: 5/19/2021/0800	Company: STN	Received by: Fed Ex Date/Time: 5/19/2021 Company: Fedex
Relinquished by:	Date/Time:	Company	Received by: Date/Time: 5/21/21 0907 Company: STN
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: 4.6°C IR8

Ver: 11/01/2020

Released to Imaging: 5/17/2023 12:59:57 PM
Received by OCD: 3/30/2022 1:02:36 PM

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRC MW	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-102803-36538.1
Client Contact: Steve Varsa	Phone: 913-980 0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 1 of 2 2 of 2
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Johnston Fed #4.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD	8260C - (MOD) BTEX 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-23	5/18/2021	1208	G	Water			X	3	
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	STW	5/19/2021 0800	STW	FedEx	5/18/2021 0800	FedEx
2		Date/Time:	Company	Received by:	Date/Time: 5/21/21 907	Company
3		Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 4.6°C IR8

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-203717-1

Login Number: 203717 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6°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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-211302-1
Client Project/Site: Johnston Federal #4

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

Attn: Steve Varsa

Authorized for release by:
11/30/2021 1:00:43 PM

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

LINKS

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

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

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

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Laboratory Job ID: 400-211302-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Job ID: 400-211302-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-211302-1

Comments
No additional comments.

Receipt
The samples were received on 11/16/2021 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MW-13 (400-211302-5) and MW-16 (400-211302-7). MW-13 only had one container. MW-16 had 5 containers, 2 of which had the time of 09:16 which matched the time of MW-13, while the other three had the time of 09:28 which matched the sample MW-16.

GC/MS VOA
Method 8260C: The matrix spike (MS) recoveries for analytical batch 400-557357 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: TB-01 Lab Sample ID: 400-211302-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-211302-2

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

Client Sample ID: MW-6 Lab Sample ID: 400-211302-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-9 Lab Sample ID: 400-211302-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	8.9		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13 Lab Sample ID: 400-211302-5

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

Client Sample ID: MW-15 Lab Sample ID: 400-211302-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	120		1.0		ug/L	1		8260C	Total/NA
Toluene	12		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	3.7		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	30		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-16 Lab Sample ID: 400-211302-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	150		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	5.4		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 Lab Sample ID: 400-211302-8

No Detections.

Client Sample ID: MW-18 Lab Sample ID: 400-211302-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	4.7		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.6		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	11		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-19 Lab Sample ID: 400-211302-10

No Detections.

Client Sample ID: MW-20 Lab Sample ID: 400-211302-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	9.3		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-23 — Lab Sample ID: 400-211302-12

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-211302-1	TB-01	Water	11/15/21 08:00	11/16/21 09:10
400-211302-2	DUP-01	Water	11/15/21 10:00	11/16/21 09:10
400-211302-3	MW-6	Water	11/15/21 09:00	11/16/21 09:10
400-211302-4	MW-9	Water	11/15/21 09:10	11/16/21 09:10
400-211302-5	MW-13	Water	11/15/21 09:16	11/16/21 09:10
400-211302-6	MW-15	Water	11/15/21 09:25	11/16/21 09:10
400-211302-7	MW-16	Water	11/15/21 09:28	11/16/21 09:10
400-211302-8	MW-17	Water	11/15/21 09:35	11/16/21 09:10
400-211302-9	MW-18	Water	11/15/21 09:46	11/16/21 09:10
400-211302-10	MW-19	Water	11/15/21 09:59	11/16/21 09:10
400-211302-11	MW-20	Water	11/15/21 10:08	11/16/21 09:10
400-211302-12	MW-23	Water	11/15/21 10:18	11/16/21 09:10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: TB-01

Date Collected: 11/15/21 08:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/26/21 16:24	1
Toluene	<1.0		1.0		ug/L			11/26/21 16:24	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 16:24	1
Xylenes, Total	<10		10		ug/L			11/26/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/26/21 16:24*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*11/26/21 16:24*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/26/21 16:24*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: DUP-01
Date Collected: 11/15/21 10:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.3**		1.0		ug/L			11/26/21 13:48	1
Toluene	<1.0		1.0		ug/L			11/26/21 13:48	1
Ethylbenzene	<1.0	F1	1.0		ug/L			11/26/21 13:48	1
Xylenes, Total	<10	F1	10		ug/L			11/26/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*11/26/21 13:48*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/26/21 13:48*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/26/21 13:48*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-6
Date Collected: 11/15/21 09:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-3
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.5**		1.0		ug/L			11/26/21 16:51	1
Toluene	<1.0		1.0		ug/L			11/26/21 16:51	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 16:51	1
Xylenes, Total	<10		10		ug/L			11/26/21 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 119*		*11/26/21 16:51*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*11/26/21 16:51*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/26/21 16:51*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-9
Date Collected: 11/15/21 09:10
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.9**		1.0		ug/L			11/26/21 17:17	1
Toluene	<1.0		1.0		ug/L			11/26/21 17:17	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 17:17	1
Xylenes, Total	<10		10		ug/L			11/26/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 119*		*11/26/21 17:17*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*11/26/21 17:17*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/26/21 17:17*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

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

Lab Sample ID: 400-211302-5
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.6**		1.0		ug/L			11/26/21 17:43	1
Toluene	<1.0		1.0		ug/L			11/26/21 17:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 17:43	1
Xylenes, Total	<10		10		ug/L			11/26/21 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*11/26/21 17:43*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*11/26/21 17:43*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*11/26/21 17:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-15
Date Collected: 11/15/21 09:25
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-6
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**120**		1.0		ug/L			11/26/21 18:09	1
Toluene	**12**		1.0		ug/L			11/26/21 18:09	1
Ethylbenzene	**3.7**		1.0		ug/L			11/26/21 18:09	1
Xylenes, Total	**30**		10		ug/L			11/26/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*11/26/21 18:09*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*11/26/21 18:09*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/26/21 18:09*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-16
Date Collected: 11/15/21 09:28
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**150**		1.0		ug/L			11/26/21 18:35	1
Toluene	<1.0		1.0		ug/L			11/26/21 18:35	1
Ethylbenzene	**5.4**		1.0		ug/L			11/26/21 18:35	1
Xylenes, Total	<10		10		ug/L			11/26/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 119*		*11/26/21 18:35*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*11/26/21 18:35*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/26/21 18:35*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-17
Date Collected: 11/15/21 09:35
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-8
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/26/21 19:01	1
Toluene	<1.0		1.0		ug/L			11/26/21 19:01	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 19:01	1
Xylenes, Total	<10		10		ug/L			11/26/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/26/21 19:01*	*1*
Dibromofluoromethane	*115*		*75 - 126*		*11/26/21 19:01*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/26/21 19:01*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-18
Date Collected: 11/15/21 09:46
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-9
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.7**		1.0		ug/L			11/26/21 19:28	1
Toluene	<1.0		1.0		ug/L			11/26/21 19:28	1
Ethylbenzene	**1.6**		1.0		ug/L			11/26/21 19:28	1
Xylenes, Total	**11**		10		ug/L			11/26/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 119*		*11/26/21 19:28*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/26/21 19:28*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/26/21 19:28*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-19

Date Collected: 11/15/21 09:59
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/26/21 19:54	1
Toluene	<1.0		1.0		ug/L			11/26/21 19:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 19:54	1
Xylenes, Total	<10		10		ug/L			11/26/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/26/21 19:54*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/26/21 19:54*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/26/21 19:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-20

Date Collected: 11/15/21 10:08
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-11

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9.3**		1.0		ug/L			11/26/21 20:20	1
Toluene	<1.0		1.0		ug/L			11/26/21 20:20	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 20:20	1
Xylenes, Total	<10		10		ug/L			11/26/21 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/26/21 20:20*	*1*
Dibromofluoromethane	*115*		*75 - 126*		*11/26/21 20:20*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/26/21 20:20*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-23

Date Collected: 11/15/21 10:18
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-12

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/26/21 20:45	1
Toluene	<1.0		1.0		ug/L			11/26/21 20:45	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 20:45	1
Xylenes, Total	<10		10		ug/L			11/26/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*11/26/21 20:45*	*1*
Dibromofluoromethane	*119*		*75 - 126*		*11/26/21 20:45*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/26/21 20:45*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

GC/MS VOA

Analysis Batch: 557357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211302-1	TB-01	Total/NA	Water	8260C	
400-211302-2	DUP-01	Total/NA	Water	8260C	
400-211302-3	MW-6	Total/NA	Water	8260C	
400-211302-4	MW-9	Total/NA	Water	8260C	
400-211302-5	MW-13	Total/NA	Water	8260C	
400-211302-6	MW-15	Total/NA	Water	8260C	
400-211302-7	MW-16	Total/NA	Water	8260C	
400-211302-8	MW-17	Total/NA	Water	8260C	
400-211302-9	MW-18	Total/NA	Water	8260C	
400-211302-10	MW-19	Total/NA	Water	8260C	
400-211302-11	MW-20	Total/NA	Water	8260C	
400-211302-12	MW-23	Total/NA	Water	8260C	
MB 400-557357/4	Method Blank	Total/NA	Water	8260C	
LCS 400-557357/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211302-2 MS	DUP-01	Total/NA	Water	8260C	
400-211302-2 MSD	DUP-01	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

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

Lab Sample ID: MB 400-557357/4
Matrix: Water
Analysis Batch: 557357

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/26/21 13:22	1
Toluene	<1.0		1.0		ug/L			11/26/21 13:22	1
Ethylbenzene	<1.0		1.0		ug/L			11/26/21 13:22	1
Xylenes, Total	<10		10		ug/L			11/26/21 13:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*11/26/21 13:22*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*11/26/21 13:22*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/26/21 13:22*	*1*

Lab Sample ID: LCS 400-557357/1002
Matrix: Water
Analysis Batch: 557357

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	44.2		ug/L		88	70 - 130		
Toluene			50.0	51.0		ug/L		102	70 - 130		
Ethylbenzene			50.0	54.2		ug/L		108	70 - 130		
Xylenes, Total			100	110		ug/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*72 - 119*
Dibromofluoromethane	*106*		*75 - 126*
Toluene-d8 (Surr)	*106*		*64 - 132*

Lab Sample ID: 400-211302-2 MS
Matrix: Water
Analysis Batch: 557357

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	1.3		50.0	58.0		ug/L		113	56 - 142		
Toluene	<1.0		50.0	63.2		ug/L		126	65 - 130		
Ethylbenzene	<1.0	F1	50.0	65.8	F1	ug/L		132	58 - 131		
Xylenes, Total	<10	F1	100	134	F1	ug/L		134	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*72 - 119*
Dibromofluoromethane	*107*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 400-211302-2 MSD
Matrix: Water
Analysis Batch: 557357

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1.3		50.0	53.8		ug/L		105	56 - 142	8	30
Toluene	<1.0		50.0	59.3		ug/L		119	65 - 130	6	30
Ethylbenzene	<1.0	F1	50.0	59.7		ug/L		119	58 - 131	10	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

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

Lab Sample ID: 400-211302-2 MSD
Matrix: Water
Analysis Batch: 557357

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10	F1	100	123		ug/L		123	59 - 130	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*72 - 119*
Dibromofluoromethane	*108*		*75 - 126*
Toluene-d8 (Surr)	*96*		*64 - 132*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: TB-01
Date Collected: 11/15/21 08:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 16:24	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: DUP-01
Date Collected: 11/15/21 10:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 13:48	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-6
Date Collected: 11/15/21 09:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 16:51	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-9
Date Collected: 11/15/21 09:10
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 17:17	BEP	TAL PEN
	Instrument ID: CH_TAN									

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

Lab Sample ID: 400-211302-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 17:43	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-15
Date Collected: 11/15/21 09:25
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 18:09	BEP	TAL PEN
	Instrument ID: CH_TAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

Client Sample ID: MW-16
Date Collected: 11/15/21 09:28
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 18:35	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-17
Date Collected: 11/15/21 09:35
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 19:01	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-18
Date Collected: 11/15/21 09:46
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 19:28	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-19
Date Collected: 11/15/21 09:59
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 19:54	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-20
Date Collected: 11/15/21 10:08
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 20:20	BEP	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-23
Date Collected: 11/15/21 10:18
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211302-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	557357	11/26/21 20:45	BEP	TAL PEN
	Instrument ID: CH_TAN									

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-211302-1
Project/Site: Johnston Federal #4

Laboratory: Eurofins TestAmerica, Pensacola

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

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

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Johnston Federal #4

Job ID: 400-211302-1

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

Protocol References:

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

Laboratory References:

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

Page 139 of 142

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105800-37675.1
Client Contact: Steve Varsa	Phone: 913-980-0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: WD801939			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Johnston Fed #4.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

400-211302 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) BTEX 8260	Total Number of containers	Special Instructions/Note:
SAH-07			Preservation Code:				A		
TB-01	11/15/21	0900	G	Water			2	2	Trip Blank
DUP-01	11/15/21	1000	G	Water			3	3	Blind Dup
MW-6	11/15/21	0900	G	Water			3	3	
MW-9	11/15/21	0910	G	Water			3	3	
MW-13	11/15/21	0916	G	Water			3	3	
MW-15	11/15/21	0925	G	Water			3	3	
MW-16	11/15/21	0928	G	Water			3	3	
MW-17	11/15/21	0935	G	Water			3	3	
MW-18	11/15/21	0946	G	Water			3	3	
MW-19	11/15/21	0959	G	Water			3	3	
MW-20	11/15/21	1008	G	Water			3	3	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Sean N Clary	11/15/21 1600	STN			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11.16.21 09:10	Company

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

Cooler Temperature(s) °C and Other Remarks: 0.0°C IR9

Ver: 06/08/2021

Page 27 of 29
11/30/2021
Received by OCD: 3/30/2022 1:02:36 PM
Released to Imaging: 5/17/2023 12:59:57 PM

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information			
Client Contact: Steve Varsa	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):
Company: Stantec Consulting Services Inc	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:
	PWSID:		COC No: 400-105800-37675.2
Address: 11311 Aurora Avenue	Due Date Requested:		Page: Page 2 of 2
City: Des Moines	TAT Requested (days):		Job #:
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No		
Phone: 303-291-2239(Tel)	PO #: WD801939		
Email: steve.varsa@stantec.com	WO #:		
Project Name: Johnston Fed #4.00	Project #: 40005479		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	[redacted]	8260C - (MOD) BTEX 8260	Total Number of containers	Special Instructions/Note:
SAH - 07				Preservation Code:			A		
MW-23	11/15/21	1018	G	Water			3	3	
				Water					

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Possible Hazard Identification
☐ 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: 11/15/21 1600	Company: STN	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11.16.21 09:10	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: 400-211302-1

Login Number: 211302 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0 IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 94387

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 94387
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. Please see App ID 201686 for most updated status.	5/17/2023