2023 ANNUAL GROUNDWATER REPORT

Knight #1
Incident Number: nAUTOfAB000324
Meter Code: 72556
T30N, R13W, Sec5, Unit A

REVIEWED
By Mike Buchanan at 3:35 pm, Jun 26, 2024

Review of the 2023 Annual Groundwater Report for Knight #1: Content Satisfactory
1. Continue to conduct groundwater sampling events on a semi-annual basis. Sample in accordance with the work plan as conveyed in this report.
2. Sample McGee private water well if access is granted for collection. If not, please document reasons in next annual report.
3. Update the OCD on the status of the SVE system and whether or not start up will continue.
4. Submit the 2024 Annual Report to OCD by April 1, 2025.

SITE DETAILS

Site Location: Latitude: 36.846870 N, Longitude: -108.222305 W
Land Type: Private/Fee
Former Operator: Fuller Production (Well P&A'd)

SITE BACKGROUND

Environmental remediation activities at Knight #1 (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 conditions were adopted into El Paso CGP Company, LLC's (EPCGP's) program methods. Currently, the Site is operated by Fuller Production, Inc. and is no longer active. The wellhead was plugged and abandoned in August 2006.

The Site is located on Private/Fee land, and the current owner is R. McGee Ranch, LLC (McGee). An initial site assessment was completed in January 1995, and an excavation of 60 cubic yards (cy), to a depth of approximately 12 feet below ground surface (bgs), was completed in January 1995. An ORC nutrient injection was completed in November 1996. Monitoring wells were installed in 1995 (MW-1 through MW-4), 2000 (MW-5), and 2015 (MW-6 through MW-13). A soil assessment was completed in 2016 (GP-1 through GP-24). Two additional monitoring wells (MW-14 and MW-15), one soil vapor extraction (SVE) test well (SVE-1), and two air sparge (AS) test wells (AS-1 and AS-2) were installed in April 2018. AS and SVE feasibility testing was conducted in May 2018. Fourteen additional AS wells (AS-3 through AS-16) and seven additional SVE wells (SVE-2 through SVE-8) were installed in September 2019. In November 2020, AS and SVE piping and associated infrastructure were installed at the Site. In October 2022, an AS/SVE trailer-mounted system was installed at the Site and began operation. A detailed Site history is presented in Appendix A.

The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells, the remediation system layout, and current and historical site features is provided as Figure 2. Light non-aqueous phase liquid (LNAPL) has historically been present at the Site. Currently, remediation system operation and maintenance activities are completed monthly, remediation system monitoring activities are completed quarterly, and groundwater sampling is conducted on a semi-annual basis.

AS/SVE OPERATION & MAINTENANCE

Operation and maintenance (O&M) of the Air Sparge (AS)/Soil Vapor Extraction (SVE) system installed in October 2022 was conducted throughout 2023. From approximately November 19, 2022, to February 2, 2023, the SVE system was shut down for piping repairs and installation of a replacement SVE blower. On November 16, 2023, the NMOCD was notified the SVE portion of the system would be shut down due to decreasing SVE concentrations and increased maintenance issues experienced with excess condensation associated with cold weather operation (Appendix B). A summary of AS/SVE system operational history and performance since start-up in October 2022 is presented in Appendix C1 and C2. The SVE portion of the system will be restarted in 2024, if conditions warrant additional vapor extraction.

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As summarized in Appendix C1, the SVE system operated for a total of approximately 5,800 hours in 2023 (6,519 since inception), with extraction rates ranging from 340 cubic feet per minute (cfm) to 480 cfm. The AS system was started up on August 29, 2023. As summarized in Appendix C2, the AS system operated for a total of approximately 2621 hours in 2023 at injection rates ranging from 17 cfm to 100 cfm.

Pursuant to the April 2022 Remedial Action Plan (RAP), regular O&M visits were conducted and periodic SVE vapor samples were collected to evaluate hydrocarbon recovery rates and oxidizer destruction efficiency. Copies of notifications to NMOCD of the quarterly O&M events are included in Appendix B. Collected vapor samples were submitted to Eurofins-TestAmerica Burlington, located in Burlington, Vermont (TestAmerica), for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) using Method TO-15, and Total Petroleum Hydrocarbons (TPH) using Method TO-3. Laboratory results are included in Appendix D. The estimated cumulative mass of hydrocarbons recovered from start-up of the system is approximately 9,131 pounds, as depicted on Figure 3 and shown in Appendix C1.

Appendix C1 depicts the cumulative mass removal tabularly, as well as the TPH emissions based on laboratory results (Appendix D). For each period of time between exhaust samples, the previous laboratory result was used for estimation. Because SVE concentrations decrease over time when preferential pathways in the subsurface have been vented, the cumulative mass of emissions (11.3 pounds) for 2023 is a conservative estimation.

Appendices C3 through C6 show the periodic and cumulative mass of individual Hazardous Air Pollutants (HAPs), in this case BTEX, emitted through the SVE system's catalytic oxidizer. Appendix C7 shows these totals as a percent of the discharge limit to remain below Title V air permitting requirements. Based on this information, emissions from the system remain below Title V permitting and notification requirements.

System influence monitoring parameters were collected from the Site monitoring wells during the May, August, and November 2023 Site events, and are summarized on Table 1. Collected parameters included:

- Depth to LNAPL/water – with an electronic oil water interface probe
- Monitoring well vacuum/pressure – with quick-connect J-plug and handheld manometer
- Monitoring well dissolved oxygen – with calibrated submersible dissolved oxygen probe
- 4-gas vapor constituents (CO, LEL, Hydrogen Sulfide, Oxygen) – with 12-volt sample pump, quick-connect fitting, and calibrated 4-gas meter
- PID response – with a 12-volt sample pump, quick-connect fitting, and calibrated photoionization detector

LNAPL was not detected in 2023 and hasn't been detected in site monitoring wells since March 2022 (0.01 feet observed and removed at MW-12). Depth to Water (DTW) measured from the top of the casing ranged from 18.03' (MW-13, 8/29/2023) to 24.74' (MW-10, 5/17/2023) in 2023.

Vacuum/pressure influence in 2023, measured in inches of water from site monitoring wells, ranged from -1.0 (MW-12, 5/17/2023) to 2.90 (MW-2, 11/7/2023). The higher pressure readings are a result of start-up of the air sparge portion of the system in Autumn 2023.

Dissolved oxygen measurements from site monitoring wells, as measured in milligrams per liter (mg/L), ranged from 0.15 (MW-12) to 8.45 (MW-6) in 2023. Dissolved oxygen was measured in November after AS activities had commenced in full.

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4-gas constituents collected from site monitoring wells were detected at the following ranges in 2023:

- H_2S (ppm) – not detected above 0.0 ppm in vapor removed from site monitoring wells in 2023.
- CO (ppm) – not detected above 0.0 ppm in vapor removed from site monitoring wells in 2023.
- LEL – not detected above 0.0 % of LEL in vapor removed from site monitoring wells in 2023.
- O_2 (%) – Oxygen detected in vapor removed from site monitoring wells ranged from (10.4, MW-1 11/7/2023) to 20.9 (various locations and dates, same as ambient).

PID response, in ppm, ranged from 0.0 (various, same as ambient) to 485.6 (MW-11, 11/7/2023) in vapor measured from site monitoring wells in 2023.

The SVE system entrained a total of approximately 1,250 gallons of water in 2023 during normal operation. The volume of water recovered was reported quarterly to the NMOSE via meter reports. The water was periodically removed from the system by Sierra using a vacuum truck and hauled to Envirotech, Inc. (Envirotech) located south of Bloomfield, New Mexico for disposal. Waste disposal documentation is included in Appendix E.

PRIVATE WELL SAMPLING

Pursuant to the RAP, Stantec inspected and attempted to sample the three private water wells (McGee#1 through McGee#3), located on the McGee property. Each of the McGee wells were visited on November 7, 2023, but could not be sampled. The electrical wiring to the well pump for McGee Well #2 was found to be damaged during inspection on November 7, 2023, and therefore the well could not be sampled. McGee well #3 was found to be occluded with sediment on November 7, 2023, and therefore could not be sampled. Additional attempts to sample McGee well #1 were made on November 17 and December 1, 2023, but the property owner was unavailable to assist with energizing the well pump.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, semi-annual groundwater sampling and monitoring were conducted to help evaluate system performance. Stantec provided field work notifications via email to the NMOCD on May 12, 2023, and November 2, 2023, prior to initiating groundwater sampling activities at the Site (Appendix B). Groundwater monitoring and sampling was completed on May 17 and November 7, 2023. During each sampling event, water levels were gauged from monitoring wells MW-1 through MW-15. During the November 2023 event, SVE wells SVE-1 through SVE-8 were also gauged. Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-11, MW-12, and MW-13 were sampled in May and November 2023. Monitoring wells MW-5, through MW-10, MW-14, and MW-15 were also sampled in November 2023.

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

Groundwater samples were placed into laboratory supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins. One laboratory supplied trip blank and one blind field duplicate were also collected during each groundwater sampling event. The groundwater samples, field duplicate and trip blank were analyzed for BTEX constituents using United States EPA Method 8260.

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The unused sample water was combined in a waste container and taken to Envirotech. Wastewater disposal documentation is included as Appendix E.

LNAPL RECOVERY

Quarterly groundwater monitoring events conducted in 2023 confirmed LNAPL was not present in the Site monitoring wells. Therefore, no LNAPL recovery activities were conducted at the Site in 2023.

SUMMARY TABLES

Table 1 summarizes the AS/SVE system influence parameters observed in 2023. Historic groundwater analytical results and well gauging data are summarized in Tables 2 and 3, respectively.

SITE MAPS

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

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix F.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the southwest during the May 2023 gauging event (Figure 5), and to the southeast during the November 2023 gauging event (Figure 7).
- Groundwater samples collected in 2023 during the May event from MW-1 and MW-11; and during the November event from MW-12, exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 µg/L) for benzene in groundwater. Benzene concentrations were either below the NMWQCC standard or were not detected in other site monitoring wells sampled in 2023.
- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or were not detected in the site monitoring wells sampled in 2023.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in the site monitoring wells sampled in 2023.
- Concentrations of total xylenes concentrations were either below the NMQCC standard (620 µg/L) or were not detected in site monitoring wells sampled in 2023.
- A field duplicate was collected from MW-3 for the May event and from MW-1 for the 2023 semi-annual monitoring events. No significant differences were noted between the primary and the duplicate samples for the 2023 sampling events.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2023 groundwater monitoring events.

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PLANNED FUTURE ACTIVITIES

Operation of the remediation system installed will continue in 2024. The SVE Operation, maintenance, and monitoring of the remediation system will continue pursuant to the Work Plan. EPCGP will await the results of the March 2024 quarterly O&M event to determine whether to restart the SVE system. The NMOCD will be notified if restart of the SVE system is to be conducted, and/or when shutdown of the AS/SVE system is planned.

Semi-annual groundwater monitoring is to continue in 2024. In accordance with the Work Plan, groundwater samples will be collected from key monitoring wells during the second calendar quarter sampling event, and from each of the Site monitoring wells during the fourth calendar quarter sampling event. Sampling of the McGee private water wells will also be attempted during the fourth calendar quarter 2024 sampling event.

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

TABLES

Table 1
System Influence Monitoring Parameters
Knight #1

WELL ID	Date	Depth to Product	Depth to Water	Temperature	Dissolved Oxygen	Pressure	CO	LEL	H2S	O2	PID
MW-1	10/13/2022	N.D.	25.15	15.0	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.94	N.P.	0.00	N.P.	4.0	0.0	0.0	20.0	N.P.
	5/17/2023	N.D.	23.35	N.P.	N.P	-0.5	0.0	0.0	0.0	20.3	1.5
	8/29/2023	N.D.	21.47	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.5
	11/7/2023	N.D.	22.82	N.P.	0.31	0.0	0.0	0.0	0.0	10.4	28.3
MW-2	10/13/2022	N.D.	24.68	15.0	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.45	N.P.	0.00	N.P.	0.0	0.0	0.0	19.9	N.P.
	5/17/2023	N.D.	22.96	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.0
	8/29/2023	N.D.	20.52	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.1
	11/7/2023	N.D.	22.35	N.P.	8.10	2.9	0.0	0.0	0.0	20.9	0.0
MW-3	10/13/2022	N.D.	24.92	14.8	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.77	N.P.	0.00	N.P.	0.0	0.0	0.0	20.0	N.P.
	5/17/2023	N.D.	23.18	N.P.	N.P	-0.5	0.0	0.0	0.0	18.0	254.1
	8/29/2023	N.D.	21.37	N.P.	N.P	-0.2	0.0	0.0	0.0	20.9	16.7
	11/7/2023	N.D.	22.68	N.P.	0.25	0.0	0.0	0.0	0.0	17.9	118.5
MW-4	10/13/2022	N.D.	25.61	14.8	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	25.38	N.P.	0.00	N.P.	0.0	0.0	0.0	20.4	N.P.
	5/17/2023	N.D.	23.83	N.P.	N.P	-0.2	0.0	0.0	0.0	20.9	0.0
	8/29/2023	N.D.	21.87	N.P.	N.P	0.2	0.0	0.0	0.0	20.9	1.2
	11/7/2023	N.D.	23.25	N.P.	0.47	-0.2	0.0	0.0	0.0	19.6	87.9
MW-5	10/13/2022	N.D.	22.83	12.7	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	22.65	N.P.	0.00	N.P.	0.0	0.0	0.0	17.4	N.P.
	5/17/2023	N.D.	21.13	N.P.	N.P	-0.5	0.0	0.0	0.0	19.8	9.3
	8/29/2023	N.D.	19.51	N.P.	N.P	0.2	0.0	0.0	0.0	19.3	0.4
	11/7/2023	N.D.	20.78	N.P.	1.22	0.0	0.0	0.0	0.0	19.2	0.0
MW-6	10/13/2022	N.D.	23.31	13.9	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	23.10	N.P.	0.04	N.P.	0.0	0.0	0.0	14.7	N.P.
	5/17/2023	N.D.	21.62	N.P.	N.P	0.0	0.0	0.0	0.0	19.5	0.0
	8/29/2023	N.D.	19.67	N.P.	N.P	0.2	0.0	0.0	0.0	20.9	0.1
	11/7/2023	N.D.	21.14	N.P.	8.45	0.0	0.0	0.0	0.0	20.9	0.0
MW-7	10/13/2022	N.D.	23.93	13.8	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	23.74	N.P.	0.00	N.P.	0.0	0.0	0.0	19.2	N.P.
	5/17/2023	N.D.	22.24	N.P.	N.P	0.0	0.0	0.0	0.0	20.5	0.0
	8/29/2023	N.D.	20.23	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.4
	11/7/2023	N.D.	21.73	N.P.	7.90	0.0	0.0	0.0	0.0	19.0	3.0
MW-8	10/13/2022	N.D.	24.50	13.7	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.27	N.P.	0.00	N.P.	0.0	0.0	0.0	16.8	N.P.
	5/17/2023	N.D.	22.74	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.0
	8/29/2023	N.D.	21.29	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	1.4
	11/7/2023	N.D.	22.38	N.P.	1.95	0.0	0.0	0.0	0.0	20.9	0.0
MW-9	10/13/2022	N.D.	25.93	14.2	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	25.69	N.P.	0.01	N.P.	0.0	0.0	0.0	18.1	N.P.
	5/17/2023	N.D.	24.15	N.P.	N.P	0.2	0.0	0.0	0.0	20.0	0.0
	8/29/2023	N.D.	22.59	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.7
	11/7/2023	N.D.	23.68	N.P.	7.27	-0.2	0.0	0.0	0.0	20.2	0.0
MW-10	10/13/2022	N.D.	26.47	14.6	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	26.24	N.P.	0.00	N.P.	0.0	0.0	0.0	17.1	N.P.
	5/17/2023	N.D.	24.74	N.P.	N.P	0.2	0.0	0.0	0.0	20.1	0.0
	8/29/2023	N.D.	22.49	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.5
	11/7/2023	N.D.	24.01	N.P.	0.66	0.0	0.0	0.0	0.0	19.3	0.0
MW-11	10/13/2022	N.D.	26.35	15.4	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	26.09	N.P.	0.00	N.P.	0.0	0.0	0.0	17.1	N.P.
	5/17/2023	N.D.	24.60	N.P.	N.P	0.0	0.0	0.0	0.0	20.3	0.1
	8/29/2023	N.D.	22.06	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.8
	11/7/2023	N.D.	23.80	N.P.	0.48	0.0	0.0	0.0	0.0	11.5	485.6

Table 1
System Influence Monitoring Parameters
Knight #1

WELL ID	Date	Depth to Product	Depth to Water	Temperature	Dissolved Oxygen	Pressure	CO	LEL	H2S	O2	PID
MW-12	10/13/2022	N.D.	24.54	15.0	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.32	N.P.	0.00	N.P.	12.0	70.0	0.0	9.3	N.P.
	5/17/2023	N.D.	22.83	N.P.	N.P	-1.0	0.0	0.0	0.0	20.9	91.6
	8/29/2023	N.D.	20.29	N.P.	N.P	0.2	0.0	0.0	0.0	20.9	12.5
	11/7/2023	N.D.	22.11	N.P.	0.15	0.8	0.0	0.0	0.0	19.4	110.0
MW-13	10/13/2022	N.D.	22.17	14.7	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	21.96	N.P.	0.00	N.P.	0.0	0.0	0.0	10.4	N.P.
	5/17/2023	N.D.	20.48	N.P.	N.P	-0.2	0.0	0.0	0.0	20.2	0.3
	8/29/2023	N.D.	18.03	N.P.	N.P	0.0	0.0	0.0	0.0	20.9	0.4
	11/7/2023	N.D.	19.86	N.P.	2.05	0.0	0.0	0.0	0.0	17.9	0.0
MW-14	10/13/2022	N.D.	24.63	15.6	0.23	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.38	N.P.	0.20	N.P.	0.0	0.0	0.0	15.2	N.P.
	5/17/2023	N.D.	22.90	N.P.	N.P	0.0	0.0	0.0	0.0	19.7	4.2
	8/29/2023	N.D.	19.76	N.P.	N.P	0.0	0.0	0.0	0.0	20.6	0.7
	11/7/2023	N.D.	21.87	N.P.	0.41	0.0	0.0	0.0	0.0	19.6	13.7
MW-15	10/13/2022	N.D.	24.20	15.2	0.00	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
	10/29/2022	N.D.	24.08	N.P.	0.00	N.P.	0.0	0.0	0.0	15.9	N.P.
	5/17/2023	N.D.	22.57	N.P.	N.P	0.0	0.0	0.0	0.0	17.4	3.7
	8/29/2023	N.D.	18.93	N.P.	N.P	0.0	0.0	0.0	0.0	20.5	0.8
	11/7/2023	N.D.	21.43	N.P.	0.73	0.0	0.0	0.0	0.0	14.9	34.0

Notes:
N.P. = Not Performed
N.D. = Not Detected
Temperature readings are in degrees Celsius.
Dissolved Oxygen (DO) concentrations are in milligrams per liter (mg/L).
Pressure recorded in inches of water (in. H2O). A negative value indicates vacuum
Carbon Monoxide (CO) readings are in parts per million (ppm)
Lower Explosive Limit (LEL) readings are in percent by volume (%v/v)
Hydrogen Sulfide (H2S) readings are in parts per million (ppm)
Oxygen (O2) readings are in percent by volume (%v/v)
Photolonization Detector (PID) readings are in parts per million (ppm)

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/16/95	5080	1180	1050	9970
MW-1	12/12/95	4330	679	1010	8560
MW-1	04/09/96	5490	208	1100	7370
MW-1	07/17/96	6450	279	990	9060
MW-1	10/15/96	9870	840	1120	10900
MW-1	01/13/97	7760	332	914	10900
MW-1	04/22/97	2700	<1.0	492	6690
MW-1	07/14/97	3900	36.7	530	6700
MW-1	10/22/97	4270	48.7	728	8580
MW-1	01/09/98	4750	24.2	819	9480
MW-1	04/24/98	5610	44.7	898	9530
MW-1	04/16/99	7340	42.8	853	10600
MW-1	04/19/00	9400	510	4300	66000
MW-1	09/05/01	NS	NS	NS	NS
MW-1	09/11/01	NS	NS	NS	NS
MW-1	09/04/02	NS	NS	NS	NS
MW-1	12/10/02	NS	NS	NS	NS
MW-1	03/20/03	NS	NS	NS	NS
MW-1	06/19/03	NS	NS	NS	NS
MW-1	09/17/03	NS	NS	NS	NS
MW-1	12/09/03	NS	NS	NS	NS
MW-1	03/15/04	NS	NS	NS	NS
MW-1	09/15/04	NS	NS	NS	NS
MW-1	03/16/05	NS	NS	NS	NS
MW-1	09/19/05	4430	23.7	487	7370
MW-1	03/27/06	4410	26.6 J	337	7860
MW-1	09/26/06	5880	36.5	633	11000
MW-1	03/28/07	3740	<50	441	9210
MW-1	09/17/07	4640	93.3	444	8180
MW-1	03/04/08	NS	NS	NS	NS
MW-1	09/09/08	3230	<50	324	6780
MW-1	03/02/09	NS	NS	NS	NS
MW-1	08/27/09	2790	8.3 J	1190	12500
MW-1	02/11/10	NS	NS	NS	NS
MW-1	05/21/10	NS	NS	NS	NS
MW-1	09/29/10	2910	<50	1600	15000
MW-1	11/02/10	NS	NS	NS	NS
MW-1	02/02/11	NS	NS	NS	NS
MW-1	05/04/11	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	09/30/11	1590	5 J	1120	10600
MW-1	11/11/11	NS	NS	NS	NS
MW-1	02/16/12	NS	NS	NS	NS
MW-1	05/08/12	NS	NS	NS	NS
MW-1	06/07/13	830	<60	1100	14000
MW-1	09/13/13	810	<60	960	3100
MW-1	12/13/13	600	25 J	730	2200
MW-1	04/03/14	330	28	<0.20	1400
MW-1	10/21/14	380	<7.0	<5.0	3000
MW-1	05/27/15	110	<100	1300	11000
MW-1	11/17/15	220	6.9	770	710
MW-1	04/15/16	110	<25	910	1000
MW-1	10/11/16	110	<25	460	100
MW-1	06/06/17	120	<25	350	36
MW-1	11/10/17	89	2.3	74	200
MW-1	05/17/18	<1.0	<1.0	<1.0	<10
DUP-01(MW-1)*	05/17/18	<1.0	<1.0	<1.0	<10
MW-1	10/29/18	160	<2.0	250	280
MW-1	05/20/19	170	<1.0	56	94
MW-1	11/14/19	180	<1.0	120	120
MW-1	05/14/20	72	<1.0	<1.0	90
MW-1	11/11/20	170	<1.0	210	67
(DUP-01)MW-1*	11/11/20	160	<1.0	220	75
MW-1	05/21/21	100	<1.0	67	13
(DUP-01)MW-1*	05/21/21	100	<1.0	71	12
MW-1	11/12/21	100	<1.0	31	11
(DUP-01)MW-1*	11/12/21	110	<1.0	39	14
MW-1	05/19/22	110	<1.0	26	<10
(DUP-01)MW-1*	05/19/22	150	<1.0	42	<10
MW-1	11/04/22	84	<1.0	<1.0	<10
(DUP-01)MW-1*	11/04/22	15	<1.0	<1.0	<10
MW-1	05/17/23	11	<1.0	<1.0	<10
MW-1	11/07/23	<1.0	<1.0	<1.0	<10
(DUP-01)MW-1*	11/07/23	<1.0	<1.0	<1.0	<10
MW-2	12/12/95	175	<12.5	74.3	671
MW-2	04/09/96	39.2	<1.0	13.4	77.9
MW-2	07/17/96	9.55	<1.0	2.39	3.65
MW-2	10/15/96	49.7	<1.0	<1.0	38.4

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	01/13/97	20.3	<1.0	<1.0	37.3
MW-2	04/22/97	19.4	<1.0	<1.0	29.8
MW-2	10/22/97	155	<1.0	12.6	204
MW-2	01/09/98	58	<1.0	3.85	207
MW-2	04/24/98	19.4	<1.0	<1.0	40.7
MW-2	02/09/99	19	<1.0	<1.0	48
MW-2	04/16/99	16.7	<1.0	<1.0	41
MW-2	04/19/00	23	0.5	<0.5	26
MW-2	09/11/01	110	<0.5	17	200
MW-2	09/04/02	269	7.4	48.9	482.4
MW-2	12/10/02	NS	NS	NS	NS
MW-2	06/19/03	NS	NS	NS	NS
MW-2	09/17/03	177	<1.0	41	343
MW-2	12/09/03	NS	NS	NS	NS
MW-2	03/15/04	NS	NS	NS	NS
MW-2	09/15/04	291	<0.5	48.9	431
MW-2	03/16/05	NS	NS	NS	NS
MW-2	09/19/05	126	<1.0	9.5	231
MW-2	03/27/06	NS	NS	NS	NS
MW-2	09/26/06	95.8	<1.0	5.5	189
MW-2	03/28/07	NS	NS	NS	NS
MW-2	09/17/07	317	<1.0	12.5	354
MW-2	03/04/08	NS	NS	NS	NS
MW-2	09/09/08	34.3	<1.0	1.1	71.9
MW-2	03/02/09	NS	NS	NS	NS
MW-2	08/27/09	26.6	1.3	1.6	9
MW-2	02/11/10	NS	NS	NS	NS
MW-2	05/21/10	NS	NS	NS	NS
MW-2	09/29/10	100	<2.0	J1.5	34.8
MW-2	11/02/10	NS	NS	NS	NS
MW-2	02/02/11	NS	NS	NS	NS
MW-2	05/04/11	NS	NS	NS	NS
MW-2	09/30/11	26.6	<1.0	1	9.5
MW-2	11/11/11	NS	NS	NS	NS
MW-2	02/16/12	NS	NS	NS	NS
MW-2	05/08/12	NS	NS	NS	NS
MW-2	06/07/13	200	<0.30	4.4	21
MW-2	09/13/13	120	<0.30	17	150
MW-2	12/13/13	27	3	5.5	74

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	04/03/14	120	3.2 J	12	190
MW-2	10/21/14	0.64 J	<0.70	<0.50	<1.6
MW-2	05/27/15	190	2.5 J	18	59
MW-2	11/17/15	34	<1.0	<1.0	<3.0
MW-2	04/15/16	7.8	<5.0	<1.0	<5.0
MW-2	10/11/16	2	<5.0	<1.0	<5.0
MW-2	06/06/17	1.0	<5.0	<1.0	<5.0
MW-2	11/10/17	<1.0	<1.0	<1.0	<10
MW-2	05/17/18	<1.0	<1.0	<1.0	<10
MW-2	10/29/18	<1.0	<1.0	<1.0	<10
MW-2	05/20/19	58.0	<1.0	<1.0	<10
MW-2	11/14/19	5.4	<1.0	<1.0	<10
MW-2	05/14/20	<1.0	<1.0	<1.0	<10
MW-2	11/11/20	<1.0	<1.0	<1.0	<10
MW-2	05/21/21	<1.0	<1.0	<1.0	<10
MW-2	11/12/21	28	<1.0	2.4	20
MW-2	05/19/22	45	<1.0	2.2	26
MW-2	11/04/22	<1.0	<1.0	<1.0	<10
MW-2	05/17/23	<1.0	<1.0	<1.0	<10
MW-2	11/07/23	<1.0	<1.0	<1.0	<10
MW-3	12/12/95	979	<125	398	2540
MW-3	04/09/96	328	<1	132	369
MW-3	07/17/96	299	<1	76.7	251
MW-3	01/13/97	395	<1	126	955
MW-3	07/14/97	499	<1	104	583
MW-3	10/22/97	817	7.22	141	869
MW-3	01/09/98	702	<1	185	1080
MW-3	04/24/98	377	11.8	126	525
MW-3	04/16/99	191	4.11	18.1	169
MW-3	04/19/00	40	0.6	1.1	28
MW-3	09/05/01	NS	NS	NS	NS
MW-3	09/11/01	NS	NS	NS	NS
MW-3	09/04/02	NS	NS	NS	NS
MW-3	12/10/02	NS	NS	NS	NS
MW-3	06/19/03	NS	NS	NS	NS
MW-3	09/17/03	NS	NS	NS	NS
MW-3	12/09/03	NS	NS	NS	NS
MW-3	03/15/04	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	09/15/04	NS	NS	NS	NS
MW-3	03/16/05	NS	NS	NS	NS
MW-3	09/19/05	73.8	<1	5.2	158
MW-3	03/27/06	NS	NS	NS	NS
MW-3	09/26/06	3370	25	498	3960
MW-3	03/28/07	NS	NS	NS	NS
MW-3	09/17/07	288	<1	65.4	599
MW-3	03/04/08	NS	NS	NS	NS
MW-3	09/09/08	805	3.3	160	1630
MW-3	03/02/09	NS	NS	NS	NS
MW-3	08/27/09	2490	<25	842	6560
MW-3	02/11/10	NS	NS	NS	NS
MW-3	05/21/10	NS	NS	NS	NS
MW-3	09/29/10	2710	<50	1390	10600
MW-3	11/02/10	NS	NS	NS	NS
MW-3	02/02/11	NS	NS	NS	NS
MW-3	05/04/11	NS	NS	NS	NS
MW-3	09/30/11	1410	5.8 J	1280	12600
MW-3	11/11/11	NS	NS	NS	NS
MW-3	02/16/12	NS	NS	NS	NS
MW-3	05/08/12	NS	NS	NS	NS
MW-3	06/07/13	760	<0.30	1700	19000
MW-3	09/13/13	770	<0.30	1400	11000
MW-3	12/13/13	610	<38	960	9200
MW-3	04/03/14	670	<19	890	10000
MW-3	10/21/14	250	<35	990	10000
MW-3	05/27/15	52	<100	1400	4700
MW-3	11/17/15	44	5.2	1400	1100
MW-3	04/15/16	NS	NS	NS	NS
MW-3	10/11/16	NS	NS	NS	NS
MW-3	06/06/17	NS	NS	NS	NS
MW-3	11/10/17	NS	NS	NS	NS
MW-3	05/17/18	70	<2.0	64	220
MW-3	10/29/18	NS	NS	NS	NS
MW-3	05/20/19	NS	NS	NS	NS
MW-3	11/14/19	170	<2.0	200	<20
DUP-01(MW-3)*	11/14/19	180	<1.0	230	<10
MW-3	05/14/20	NS	NS	NS	NS
MW-3	11/11/20	220	<1.0	63	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	05/21/21	NS	NS	NS	NS
MW-3	11/12/21	120	<1.0	38	<10
MW-3	05/19/22	NS	NS	NS	NS
MW-3	11/04/22	51	<1.0	1.5	<10
MW-3	05/17/23	<1.0	<1.0	1.3	<10
DUP-01(MW-3)*	05/17/23	<1.0	<1.0	3.1	<10
MW-3	11/07/23	1.0	<1.0	<1.0	<10
MW-4	12/12/95	90.1	<12.5	16.8	144
MW-4	04/09/96	63.1	<1.0	<1.0	42.5
MW-4	07/17/96	35	<1.0	<1.0	17.8
MW-4	10/15/96	53.5	<1.0	<1.0	28.4
MW-4	01/13/97	56.2	<1.0	<1.0	48.4
MW-4	04/22/97	32.8	<1.0	<1.0	15.2
MW-4	07/14/97	10.4	<1.0	<1.0	5.79
MW-4	10/22/97	215	<1.0	5.5	184
MW-4	01/09/98	114	<1.0	2.66	85.7
MW-4	04/24/98	55.4	<1.0	<1.0	19.3
MW-4	04/16/99	129	<1.0	2.03	87.3
MW-4	04/19/00	110	6.5	17	140
MW-4	09/11/01	140	<0.5	9.6	110
MW-4	09/04/02	261	3.1	20.1	246.5
MW-4	12/10/02	NS	NS	NS	NS
MW-4	06/19/03	NS	NS	NS	NS
MW-4	09/17/03	192	<1.0	26.3	194
MW-4	12/09/03	NS	NS	NS	NS
MW-4	03/15/04	NS	NS	NS	NS
MW-4	09/15/04	182	<0.5	9.8	161
MW-4	03/16/05	NS	NS	NS	NS
MW-4	09/19/05	199	<1.0	53.8	416
MW-4	03/27/06	NS	NS	NS	NS
MW-4	09/26/06	180	12.5	55.9	417
MW-4	03/28/07	NS	NS	NS	NS
MW-4	09/17/07	272	4.7	21.3	236
MW-4	03/04/08	NS	NS	NS	NS
MW-4	09/09/08	265	0.94 J	26.5	274
MW-4	03/02/09	NS	NS	NS	NS
MW-4	08/27/09	NS	NS	NS	NS
MW-4	09/23/09	2110	12.6 J	676	6440

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	10/19/09	NS	NS	NS	NS
MW-4	11/05/09	NS	NS	NS	NS
MW-4	12/21/09	NS	NS	NS	NS
MW-4	02/11/10	NS	NS	NS	NS
MW-4	05/21/10	NS	NS	NS	NS
MW-4	09/29/10	1400	<50	1020	6410
MW-4	11/02/10	NS	NS	NS	NS
MW-4	02/02/11	NS	NS	NS	NS
MW-4	05/04/11	NS	NS	NS	NS
MW-4	09/30/11	534	<10	1800	9510
MW-4	11/11/11	NS	NS	NS	NS
MW-4	02/16/12	NS	NS	NS	NS
MW-4	05/08/12	NS	NS	NS	NS
MW-4	06/07/13	2700	<0.30	900	12000
MW-4	09/13/13	NS	NS	NS	NS
MW-4	12/13/13	NS	NS	NS	NS
MW-4	04/03/14	NS	NS	NS	NS
MW-4	10/21/14	NS	NS	NS	NS
MW-4	05/27/15	NS	NS	NS	NS
MW-4	11/17/15	NS	NS	NS	NS
MW-4	04/15/16	15	<5.0	8.7	510
MW-4	10/11/16	NS	NS	NS	NS
MW-4	06/06/17	NS	NS	NS	NS
MW-4	07/24/17	NS	NS	NS	NS
MW-4	11/10/17	64	<10	130	900
MW-4	05/17/18	NS	NS	NS	NS
MW-4	10/29/18	NS	NS	NS	NS
MW-4	05/20/19	NS	NS	NS	NS
MW-4	11/14/19	NS	NS	NS	NS
MW-4	05/14/20	NS	NS	NS	NS
MW-4	11/11/20	440	<2.0	140	8400
MW-4	03/17/21	NS	NS	NS	NS
MW-4	05/21/21	NS	NS	NS	NS
MW-4	11/12/21	NS	NS	NS	NS
MW-4	03/22/22	NS	NS	NS	NS
MW-4	05/19/22	NS	NS	NS	NS
MW-4	11/04/22	10	<1.0	6.3	89
MW-4	05/17/23	<1.0	<1.0	5.7	89
MW-4	11/07/23	<1.0	7.8	1.9	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	11/15/00	<0.5	<0.5	<0.5	<0.5
MW-5	09/11/01	<0.5	<0.5	<0.5	0.6
MW-5	09/04/02	<0.5	0.3	0.9	1.4
MW-5	12/10/02	NS	NS	NS	NS
MW-5	06/19/03	NS	NS	NS	NS
MW-5	09/17/03	NS	NS	NS	NS
MW-5	12/09/03	NS	NS	NS	NS
MW-5	03/15/04	NS	NS	NS	NS
MW-5	09/15/04	NS	NS	NS	NS
MW-5	03/16/05	NS	NS	NS	NS
MW-5	09/19/05	NS	NS	NS	NS
MW-5	03/28/07	NS	NS	NS	NS
MW-5	09/17/07	NS	NS	NS	NS
MW-5	03/04/08	NS	NS	NS	NS
MW-5	09/09/08	NS	NS	NS	NS
MW-5	03/02/09	NS	NS	NS	NS
MW-5	08/27/09	NS	NS	NS	NS
MW-5	02/11/10	NS	NS	NS	NS
MW-5	05/21/10	NS	NS	NS	NS
MW-5	09/29/10	34.1	<2.0	<2.0	2.7 J
MW-5	11/02/10	NS	NS	NS	NS
MW-5	02/02/11	NS	NS	NS	NS
MW-5	05/04/11	NS	NS	NS	NS
MW-5	09/30/11	<1.0	<1.0	<1.0	1.2 J
MW-5	11/11/11	NS	NS	NS	NS
MW-5	02/16/12	NS	NS	NS	NS
MW-5	05/08/12	NS	NS	NS	NS
MW-5	06/07/13	<0.14	<0.30	<0.20	<0.23
MW-5	09/13/13	<0.14	<0.30	<0.20	<0.23
MW-5	12/13/13	<0.20	<0.38	<0.20	0.68 J
MW-5	04/03/14	<0.20	<0.38	<0.20	<0.65
MW-5	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-5	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-5	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-5	04/15/16	NS	NS	NS	NS
MW-5	10/11/16	NS	NS	NS	NS
MW-5	06/06/17	NS	NS	NS	NS
MW-5	11/10/17	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	05/17/18	<1.0	<1.0	<1.0	<10
MW-5	10/29/18	NS	NS	NS	NS
MW-5	05/20/19	NS	NS	NS	NS
MW-5	11/14/19	<1.0	<1.0	<1.0	<10
MW-5	05/14/20	NS	NS	NS	NS
MW-5	11/11/20	<1.0	<1.0	<1.0	<10
MW-5	05/21/21	NS	NS	NS	NS
MW-5	11/12/21	<1.0	<1.0	<1.0	<10
MW-5	05/19/22	NS	NS	NS	NS
MW-5	11/04/22	<1.0	<1.0	<1.0	<10
MW-5	05/17/23	NS	NS	NS	NS
MW-5	11/07/23	<1.0	<1.0	<1.0	<10
MW-6	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-6	04/15/16	NS	NS	NS	NS
MW-6	10/11/16	NS	NS	NS	NS
MW-6	06/06/17	NS	NS	NS	NS
MW-6	11/10/17	NS	NS	NS	NS
MW-6	05/17/18	<1.0	<1.0	<1.0	<10
MW-6	10/29/18	NS	NS	NS	NS
MW-6	05/20/19	NS	NS	NS	NS
MW-6	11/14/19	<1.0	<1.0	<1.0	<10
MW-6	05/14/20	NS	NS	NS	NS
MW-6	11/11/20	<1.0	<1.0	<1.0	<10
MW-6	05/21/21	NS	NS	NS	NS
MW-6	11/12/21	<1.0	<1.0	<1.0	<10
MW-6	05/19/22	NS	NS	NS	NS
MW-6	11/04/22	<1.0	<1.0	<1.0	<10
MW-6	05/17/23	NS	NS	NS	NS
MW-6	11/07/23	<1.0	<1.0	<1.0	<10
MW-7	11/17/15	18	<1.0	38	100
MW-7	04/15/16	7.8	<10	4.3	48
MW-7	10/11/16	81	<10	320	1700
MW-7	06/06/17	20	<5.0	33	390
MW-7	11/10/17	8.3	<1.0	2.5	170
MW-7	05/17/18	1.3	<1.0	<1.0	<10
MW-7	10/29/18	<1.0	<1.0	<1.0	<10
MW-7	05/20/19	<1.0	<1.0	<1.0	<10
MW-7	11/14/19	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-7	05/14/20	1.1	<1.0	<1.0	<10
MW-7	11/11/20	<1.0	<1.0	<1.0	<10
MW-7	05/21/21	<1.0	<1.0	<1.0	<10
MW-7	11/12/21	<1.0	<1.0	<1.0	<10
MW-7	05/19/22	<1.0	<1.0	<1.0	<10
MW-7	11/04/22	<1.0	<1.0	<1.0	<10
MW-7	05/17/23	NS	NS	NS	NS
MW-7	11/07/23	<1.0	<1.0	<1.0	<10
MW-8	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-8	04/15/16	<1.0	<5.0	<1.0	<5.0
MW-8	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-8	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-8	11/10/17	<1.0	<1.0	<1.0	<10
MW-8	05/17/18	<1.0	<1.0	<1.0	<10
MW-8	10/29/18	<1.0	<1.0	<1.0	<10
MW-8	05/20/19	<1.0	<1.0	<1.0	<10
MW-8	11/14/19	<1.0	<1.0	<1.0	<10
MW-8	05/14/20	<1.0	<1.0	<1.0	<10
MW-8	11/11/20	<1.0	<1.0	<1.0	<10
MW-8	05/21/21	NS	NS	NS	NS
MW-8	11/12/21	<1.0	<1.0	<1.0	<10
MW-8	05/19/22	NS	NS	NS	NS
MW-8	11/04/22	<1.0	<1.0	<1.0	<10
MW-8	05/17/23	NS	NS	NS	NS
MW-8	11/07/23	<1.0	<1.0	<1.0	<10
MW-9	11/17/15	1.1	<1.0	<1.0	<3.0
MW-9	04/15/16	NS	NS	NS	NS
MW-9	10/11/16	NS	NS	NS	NS
MW-9	06/06/17	NS	NS	NS	NS
MW-9	11/10/17	NS	NS	NS	NS
MW-9	05/17/18	<1.0	<1.0	<1.0	<10
MW-9	10/29/18	NS	NS	NS	NS
MW-9	05/20/19	NS	NS	NS	NS
MW-9	11/14/19	<1.0	<1.0	<1.0	<10
MW-9	05/14/20	NS	NS	NS	NS
MW-9	11/11/20	<1.0	<1.0	<1.0	<10
MW-9	05/21/21	NS	NS	NS	NS
MW-9	11/12/21	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	05/19/22	NS	NS	NS	NS
MW-9	11/04/22	<1.0	<1.0	<1.0	<10
MW-9	05/17/23	NS	NS	NS	NS
MW-9	11/07/23	<1.0	<1.0	<1.0	<10
MW-10	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-10	04/15/16	NS	NS	NS	NS
MW-10	10/11/16	NS	NS	NS	NS
MW-10	06/06/17	NS	NS	NS	NS
MW-10	11/10/17	NS	NS	NS	NS
MW-10	05/17/18	<1.0	<1.0	<1.0	<10
MW-10	10/29/18	NS	NS	NS	NS
MW-10	05/20/19	NS	NS	NS	NS
MW-10	11/14/19	<1.0	<1.0	<1.0	<10
MW-10	05/14/20	<1.0	<1.0	<1.0	<10
MW-10	11/11/20	<1.0	<1.0	<1.0	<10
MW-10	05/21/21	<1.0	<1.0	<1.0	<10
MW-10	11/12/21	<1.0	<1.0	<1.0	<10
MW-10	05/19/22	<1.0	<1.0	<1.0	<10
MW-10	11/04/22	<1.0	<1.0	<1.0	<10
MW-10	05/17/23	NS	NS	NS	NS
MW-10	11/07/23	<1.0	<1.0	<1.0	<10
MW-11	11/17/15	2000	3.7	800	1600
MW-11	04/15/16	410	<50	32	54
MW-11	10/11/16	1100	<100	280	2000
MW-11	06/06/17	NS	NS	NS	NS
MW-11	11/10/17	3.3	<1.0	2.7	25
MW-11	05/17/18	32	<1.0	16	160
MW-11	10/29/18	110	<2.0	34	270
DUP-01(MW-11)*	10/29/18	93	<1.0	35	270
MW-11	05/20/19	28	<1.0	14	60
DUP-01(MW-11)*	05/20/19	24	<1.0	19	88
MW-11	11/14/19	520	<5.0	290	800
MW-11	05/14/20	30	<1.0	46	81
DUP-01(MW-11)*	05/14/20	26	<1.0	45	87
MW-11	11/11/20	200	<1.0	150	300
MW-11	03/17/21	NS	NS	NS	NS
MW-11	05/21/21	15	<1.0	7.2	14
MW-11	11/12/21	18	<1.0	10	22

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-11	05/19/22	19	<1.0	13	<10
MW-11	11/04/22	<1.0	<1.0	<1.0	<10
MW-11	05/17/23	13	<1.0	32	<10
MW-11	11/07/23	1.8	<1.0	<1.0	<10
MW-12	11/17/15	19	<1.0	12	90
MW-12	04/15/16	NS	NS	NS	NS
MW-12	10/11/16	NS	NS	NS	NS
MW-12	06/06/17	NS	NS	NS	NS
MW-12	11/10/17	NS	NS	NS	NS
MW-12	05/17/18	130	<5.0	79	680
MW-12	10/29/18	NS	NS	NS	NS
MW-12	05/20/19	NS	NS	NS	NS
MW-12	11/14/19	NS	NS	NS	NS
MW-12	05/14/20	NS	NS	NS	NS
MW-12	11/11/20	NS	NS	NS	NS
MW-12	05/21/21	NS	NS	NS	NS
MW-12	11/12/21	NS	NS	NS	NS
MW-12	05/19/22	NS	NS	NS	NS
MW-12	11/04/22	2.2	<1.0	<1.0	<10
MW-12	05/17/23	<1.0	<1.0	<1.0	<10
MW-12	11/07/23	18	<1.0	3.1	<10
MW-13	11/17/15	<1.0	<1.0	<1.0	<3.0
MW-13	04/15/16	NS	NS	NS	NS
MW-13	10/11/16	NS	NS	NS	NS
MW-13	06/06/17	NS	NS	NS	NS
MW-13	11/10/17	NS	NS	NS	NS
MW-13	05/17/18	<1.0	<1.0	<1.0	<10
MW-13	10/29/18	NS	NS	NS	NS
MW-13	05/20/19	NS	NS	NS	NS
MW-13	11/14/19	<1.0	<1.0	<1.0	<10
MW-13	05/14/20	<1.0	<1.0	<1.0	<10
MW-13	11/11/20	<1.0	<1.0	<1.0	<10
MW-13	05/21/21	<1.0	<1.0	<1.0	<10
MW-13	11/12/21	<1.0	<1.0	<1.0	<10
MW-13	05/19/22	<1.0	<1.0	<1.0	<10
MW-13	11/04/22	<1.0	<1.0	<1.0	<10
MW-13	05/17/23	<1.0	<1.0	<1.0	<10
MW-13	11/07/23	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Knight #1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-14	05/17/18	<1.0	<1.0	<1.0	<10
MW-14	10/29/18	<1.0	<1.0	<1.0	<10
MW-14	05/20/19	<1.0	<1.0	<1.0	<10
MW-14	11/14/19	<1.0	<1.0	<1.0	<10
MW-14	05/14/20	NS	NS	NS	NS
MW-14	11/11/20	<1.0	<1.0	<1.0	<10
MW-14	05/21/21	NS	NS	NS	NS
MW-14	11/12/21	<1.0	<1.0	<1.0	<10
MW-14	05/19/22	NS	NS	NS	NS
MW-14	11/04/22	<1.0	<1.0	<1.0	<10
MW-14	05/17/23	NS	NS	NS	NS
MW-14	11/07/23	<1.0	<1.0	<1.0	<10
MW-15	05/17/18	<1.0	<1.0	<1.0	<10
MW-15	10/29/18	<1.0	<1.0	<1.0	<10
MW-15	05/20/19	<1.0	<1.0	<1.0	<10
MW-15	11/14/19	<1.0	<1.0	<1.0	<10
MW-15	05/14/20	<1.0	<1.0	<1.0	<10
MW-15	11/11/20	<1.0	<1.0	<1.0	<10
MW-15	05/21/21	<1.0	<1.0	<1.0	<10
MW-15	11/12/21	<1.0	<1.0	<1.0	<10
MW-15	05/19/22	<1.0	<1.0	<1.0	<10
MW-15	11/04/22	<1.0	<1.0	<1.0	<10
MW-15	05/17/23	NS	NS	NS	NS
MW-15	11/07/23	<1.0	<1.0	<1.0	<10

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

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/16/95	5512.35	NR	26.03		5486.32
MW-1	12/12/95	5512.35	NR	25.91		5486.44
MW-1	04/09/96	5512.35	26.34	26.71	0.37	5485.92
MW-1	07/17/96	5512.35	25.35	25.39	0.04	5486.99
MW-1	10/15/96	5512.35	26.60	27.35	0.75	5485.56
MW-1	01/13/97	5512.35	NR	26.53		5485.82
MW-1	04/22/97	5512.35	NR	26.23		5486.12
MW-1	07/14/97	5512.35	NR	25.25		5487.10
MW-1	10/22/97	5512.35	NR	26.22		5486.13
MW-1	01/09/98	5512.35	NR	25.82		5486.53
MW-1	04/24/98	5512.35	25.87	26.01	0.14	5486.44
MW-1	04/16/99	5512.35	26.40	26.52	0.12	5485.92
MW-1	04/19/00	5512.35	27.07	27.14	0.07	5485.26
MW-1	09/05/01	5512.35	27.93	28.32	0.39	5484.32
MW-1	09/11/01	5512.35	28.05	28.10	0.05	5484.29
MW-1	09/04/02	5512.35	28.31	28.39	0.08	5484.02
MW-1	12/10/02	5512.35	28.31	28.47	0.16	5484.00
MW-1	03/20/03	5512.35	28.05	28.14	0.09	5484.28
MW-1	06/19/03	5512.35	28.00	28.02	0.02	5484.34
MW-1	09/17/03	5512.35	28.95	28.97	0.02	5483.39
MW-1	12/09/03	5512.35	28.30	28.32	0.02	5484.04
MW-1	03/15/04	5512.35	27.89	27.99	0.10	5484.43
MW-1	09/15/04	5512.35	28.77	28.78	0.01	5483.58
MW-1	03/16/05	5512.35	ND	28.12		5484.68
MW-1	09/19/05	5512.35	ND	27.47		5484.88
MW-1	03/27/06	5512.35	ND	26.49		5485.86
MW-1	09/26/06	5512.35	ND	25.91		5486.44
MW-1	03/28/07	5512.35	ND	25.87		5486.48
MW-1	09/17/07	5512.35	ND	26.94		5485.41
MW-1	03/04/08	5512.35	ND	25.70		5486.65
MW-1	09/09/08	5512.35	ND	26.68		5485.67
MW-1	03/02/09	5512.35	ND	24.71		5487.64
MW-1	08/27/09	5512.35	ND	24.30		5488.05
MW-1	02/11/10	5512.35	ND	24.83		5487.52
MW-1	05/21/10	5512.35	ND	23.54		5488.81
MW-1	09/29/10	5512.35	ND	24.33		5488.02
MW-1	11/02/10	5512.35	ND	22.31		5490.04
MW-1	02/02/11	5512.35	ND	23.62		5488.73
MW-1	05/04/11	5512.35	ND	22.50		5489.85
MW-1	09/30/11	5512.35	ND	22.26		5490.09

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/11/11	5512.35	ND	22.87		5489.48
MW-1	02/16/12	5512.35	ND	24.01		5488.34
MW-1	05/08/12	5512.35	ND	22.01		5490.34
MW-1	06/07/13	5512.35	ND	21.73		5490.62
MW-1	09/13/13	5512.35	ND	26.75		5485.60
MW-1	12/13/13	5512.35	ND	26.45		5485.90
MW-1	04/03/14	5512.35	ND	25.71		5486.64
MW-1	10/21/14	5512.35	ND	25.88		5486.47
MW-1	05/27/15	5512.35	ND	19.29		5493.06
MW-1	11/17/15	5512.35	ND	22.76		5489.59
MW-1	04/15/16	5512.35	ND	23.54		5488.81
MW-1	10/11/16	5512.35	ND	21.69		5490.66
MW-1	06/06/17	5512.35	ND	22.72		5489.63
MW-1	11/10/17	5512.35	ND	23.96		5488.39
MW-1	05/17/18	5512.35	ND	23.30		5489.05
MW-1	10/29/18	5512.35	ND	26.32		5486.03
MW-1	05/20/19	5512.35	ND	25.81		5486.54
MW-1	11/14/19	5512.35	ND	25.35		5487.00
MW-1	05/14/20	5512.35	ND	23.84		5488.51
MW-1	11/11/20	5512.35	ND	24.98		5487.37
MW-1	05/21/21	5512.35	ND	25.44		5486.91
MW-1	11/12/21	5512.35	ND	26.89		5485.46
MW-1	05/19/22	5512.35	ND	26.14		5486.21
MW-1	11/04/22	5512.35	ND	24.90		5487.45
MW-1	05/17/23	5512.35	ND	23.35		5489.00
MW-1	11/07/23	5512.35	ND	22.82		5489.53
MW-2	12/12/95	5511.65	NR	25.37		5486.28
MW-2	04/09/96	5511.65	NR	25.58		5486.07
MW-2	07/17/96	5511.65	NR	25.09		5486.56
MW-2	10/15/96	5511.65	NR	26.36		5485.29
MW-2	01/13/97	5511.65	NR	26.05		5485.60
MW-2	04/22/97	5511.65	NR	25.82		5485.83
MW-2	10/22/97	5511.65	NR	25.86		5485.79
MW-2	01/09/98	5511.65	NR	25.50		5486.15
MW-2	04/24/98	5511.65	NR	25.60		5486.05
MW-2	02/09/99	5511.65	NR	26.05		5485.60
MW-2	04/16/99	5511.65	NR	26.16		5485.49
MW-2	04/19/00	5511.65	NR	25.92		5485.73
MW-2	09/11/01	5511.65	NR	27.60		5484.05

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	09/04/02	5511.65	NR	27.88		5483.77
MW-2	12/10/02	5511.65	NR	27.90		5483.75
MW-2	06/19/03	5511.65	ND	27.46		5484.19
MW-2	09/17/03	5511.65	ND	28.42		5483.23
MW-2	12/09/03	5511.65	ND	27.87		5483.78
MW-2	03/15/04	5511.65	ND	27.55		5484.10
MW-2	09/15/04	5511.65	ND	28.25		5483.40
MW-2	03/16/05	5511.65	ND	27.30		5484.35
MW-2	09/19/05	5511.65	ND	26.80		5484.85
MW-2	03/27/06	5511.65	ND	26.18		5485.47
MW-2	09/26/06	5511.65	ND	25.66		5485.99
MW-2	03/28/07	5511.65	ND	25.58		5486.07
MW-2	09/17/07	5511.65	ND	26.63		5485.02
MW-2	03/04/08	5511.65	ND	25.47		5486.18
MW-2	09/09/08	5511.65	ND	26.30		5485.35
MW-2	03/02/09	5511.65	ND	24.46		5487.19
MW-2	08/27/09	5511.65	ND	24.00		5487.65
MW-2	02/11/10	5511.65	ND	24.45		5487.20
MW-2	05/21/10	5511.65	ND	23.21		5488.44
MW-2	09/29/10	5511.65	ND	23.00		5488.65
MW-2	11/02/10	5511.65	ND	22.03		5489.62
MW-2	02/02/11	5511.65	ND	23.41		5488.24
MW-2	05/04/11	5511.65	ND	22.67		5488.98
MW-2	09/30/11	5511.65	ND	21.75		5489.90
MW-2	11/11/11	5511.65	ND	22.59		5489.06
MW-2	02/16/12	5511.65	ND	23.72		5487.93
MW-2	05/08/12	5511.65	ND	21.99		5489.66
MW-2	06/07/13	5511.65	ND	22.88		5488.77
MW-2	09/13/13	5511.65	ND	26.49		5485.16
MW-2	12/13/13	5511.65	ND	26.18		5485.47
MW-2	04/03/14	5511.65	ND	25.43		5486.22
MW-2	10/21/14	5511.65	ND	25.62		5486.03
MW-2	05/27/15	5511.65	ND	20.41		5491.24
MW-2	11/17/15	5511.65	ND	22.57		5489.08
MW-2	04/15/16	5511.65	ND	23.23		5488.42
MW-2	10/11/16	5511.65	ND	21.33		5490.32
MW-2	06/06/17	5511.65	ND	22.39		5489.26
MW-2	11/10/17	5511.65	ND	23.60		5488.05
MW-2	05/17/18	5511.65	ND	22.90		5488.75
MW-2	10/29/18	5511.65	ND	25.95		5485.70

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	05/20/19	5511.65	ND	25.45		5486.20
MW-2	11/14/19	5511.65	ND	24.94		5486.71
MW-2	05/14/20	5511.65	ND	23.43		5488.22
MW-2	11/11/20	5511.65	ND	24.59		5487.06
MW-2	05/21/21	5511.65	ND	25.03		5486.62
MW-2	11/12/21	5511.65	ND	26.49		5485.16
MW-2	05/19/22	5511.65	ND	25.75		5485.90
MW-2	11/04/22	5511.65	ND	24.39		5487.26
MW-2	05/17/23	5511.65	ND	22.96		5488.69
MW-2	11/07/23	5511.65	ND	22.35		5489.30
MW-3	12/12/95	5512.19	NR	25.67		5486.52
MW-3	04/09/96	5512.19	NR	25.78		5486.41
MW-3	07/17/96	5512.19	NR	25.15		5487.04
MW-3	01/13/97	5512.19	26.25	26.41	0.16	5485.90
MW-3	07/14/97	5512.19	NR	25.21		5486.98
MW-3	10/22/97	5512.19	NR	26.01		5486.18
MW-3	01/09/98	5512.19	NR	25.69		5486.50
MW-3	04/24/98	5512.19	NR	25.76		5486.43
MW-3	04/16/99	5512.19	NR	26.30		5485.89
MW-3	04/19/00	5512.19	NR	26.75		5485.44
MW-3	09/05/01	5512.19	27.84	27.91	0.07	5484.33
MW-3	09/11/01	5512.19	27.89	27.91	0.02	5484.29
MW-3	09/04/02	5512.19	28.16	28.17	0.01	5484.03
MW-3	12/10/02	5512.19	28.17	28.20	0.03	5484.01
MW-3	06/19/03	5512.19	ND	27.81		5484.38
MW-3	09/17/03	5512.19	28.76	28.79	0.03	5483.42
MW-3	12/09/03	5512.19	ND	28.11		5484.08
MW-3	03/15/04	5512.19	ND	27.78		5484.41
MW-3	09/15/04	5512.19	ND	28.60		5483.59
MW-3	03/16/05	5512.19	ND	27.48		5484.71
MW-3	09/19/05	5512.19	ND	27.16		5485.03
MW-3	03/27/06	5512.19	ND	26.34		5485.85
MW-3	09/26/06	5512.19	ND	25.83		5486.36
MW-3	03/28/07	5512.19	ND	25.71		5486.48
MW-3	09/17/07	5512.19	ND	26.85		5485.34
MW-3	03/04/08	5512.19	ND	25.55		5486.64
MW-3	09/09/08	5512.19	ND	25.62		5486.57
MW-3	03/02/09	5512.19	ND	24.55		5487.64
MW-3	08/27/09	5512.19	ND	24.13		5488.06

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	02/11/10	5512.19	ND	24.67		5487.52
MW-3	05/21/10	5512.19	ND	23.40		5488.79
MW-3	09/29/10	5512.19	ND	23.42		5488.77
MW-3	11/02/10	5512.19	ND	22.20		5489.99
MW-3	02/02/11	5512.19	ND	23.44		5488.75
MW-3	05/04/11	5512.19	ND	22.37		5489.82
MW-3	09/30/11	5512.19	ND	21.94		5490.25
MW-3	11/11/11	5512.19	ND	22.75		5489.44
MW-3	02/16/12	5512.19	ND	23.85		5488.34
MW-3	05/08/12	5512.19	ND	21.90		5490.29
MW-3	06/07/13	5512.19	ND	21.61		5490.58
MW-3	09/13/13	5512.19	ND	26.71		5485.48
MW-3	12/13/13	5512.19	ND	26.31		5485.88
MW-3	04/03/14	5512.19	ND	25.55		5486.64
MW-3	10/21/14	5512.19	ND	25.73		5486.46
MW-3	05/27/15	5512.19	ND	19.02		5493.17
MW-3	11/17/15	5512.19	ND	22.61		5489.58
MW-3	04/15/16	5512.19	ND	23.37		5488.82
MW-3	10/11/16	5512.19	ND	21.54		5490.65
MW-3	06/06/17	5512.19	ND	22.56		5489.63
MW-3	11/10/17	5512.19	ND	23.79		5488.40
MW-3	05/17/18	5512.19	ND	23.14		5489.05
MW-3	10/29/18	5512.19	ND	26.15		5486.04
MW-3	05/20/19	5512.19	ND	25.66		5486.53
MW-3	11/14/19	5512.19	ND	25.20		5486.99
MW-3	05/14/20	5512.19	ND	23.68		5488.51
MW-3	11/11/20	5512.19	ND	24.82		5487.37
MW-3	05/21/21	5512.19	ND	25.28		5486.91
MW-3	11/12/21	5512.19	ND	26.78		5485.41
MW-3	05/19/22	5512.19	ND	25.58		5486.61
MW-3	11/04/22	5512.19	ND	25.72		5486.47
MW-3	05/17/23	5512.19	ND	23.18		5489.01
MW-3	11/07/23	5512.19	ND	22.68		5489.51
MW-4	12/12/95	5512.86	NR	26.27		5486.59
MW-4	04/09/96	5512.86	NR	26.40		5486.46
MW-4	07/17/96	5512.86	NR	25.77		5487.09
MW-4	10/15/96	5512.86	NR	27.26		5485.60
MW-4	01/13/97	5512.86	NR	26.96		5485.90
MW-4	04/22/97	5512.86	NR	26.69		5486.17

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	07/14/97	5512.86	NR	25.78		5487.08
MW-4	10/22/97	5512.86	NR	26.72		5486.14
MW-4	01/09/98	5512.86	NR	26.34		5486.52
MW-4	04/24/98	5512.86	NR	26.44		5486.42
MW-4	04/16/99	5512.86	NR	26.97		5485.89
MW-4	04/19/00	5512.86	NR	26.09		5486.77
MW-4	09/11/01	5512.86	NR	28.48		5484.38
MW-4	09/04/02	5512.86	NR	28.76		5484.10
MW-4	12/10/02	5512.86	NR	28.80		5484.06
MW-4	06/19/03	5512.86	ND	28.43		5484.43
MW-4	09/17/03	5512.86	ND	29.36		5483.50
MW-4	12/09/03	5512.86	ND	28.73		5484.13
MW-4	03/15/04	5512.86	ND	28.42		5484.44
MW-4	09/15/04	5512.86	ND	29.20		5483.66
MW-4	03/16/05	5512.86	ND	28.12		5484.74
MW-4	09/19/05	5512.86	ND	27.74		5485.12
MW-4	03/27/06	5512.86	ND	26.87		5485.99
MW-4	09/26/06	5512.86	ND	26.45		5486.41
MW-4	03/28/07	5512.86	ND	26.34		5486.52
MW-4	09/17/07	5512.86	ND	27.44		5485.42
MW-4	03/04/08	5512.86	ND	26.23		5486.63
MW-4	09/09/08	5512.86	ND	26.15		5486.71
MW-4	03/02/09	5512.86	ND	25.19		5487.67
MW-4	08/27/09	5512.86	24.13	27.10	2.97	5487.99
MW-4	09/23/09	5512.86	25.35	26.15	0.80	5487.31
MW-4	10/19/09	5512.86	25.15	25.70	0.55	5487.57
MW-4	11/05/09	5512.86	25.69	25.95	0.26	5487.10
MW-4	12/21/09	5512.86	25.85	26.05	0.20	5486.96
MW-4	02/11/10	5512.86	25.28	25.40	0.12	5487.55
MW-4	05/21/10	5512.86	24.03	24.05	0.02	5488.82
MW-4	09/29/10	5512.86	23.35	25.05	1.70	5489.08
MW-4	11/02/10	5512.86	22.74	23.38	0.64	5489.96
MW-4	02/02/11	5512.86	24.18	24.37	0.19	5488.63
MW-4	05/04/11	5512.86	ND	22.13		5490.73
MW-4	09/30/11	5512.86	21.85	24.52	2.67	5490.34
MW-4	11/11/11	5512.86	23.40	23.74	0.34	5489.37
MW-4	02/16/12	5512.86	ND	24.68		5488.18
MW-4	05/08/12	5512.86	22.44	22.46	0.02	5490.41
MW-4	06/07/13	5512.86	23.75	24.76	1.01	5488.86
MW-4	09/13/13	5512.86	27.07	28.84	1.77	5485.35

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	12/13/13	5512.86	26.78	27.30	0.52	5485.95
MW-4	04/03/14	5512.86	26.07	26.43	0.36	5486.70
MW-4	10/21/14	5512.86	26.14	27.02	0.88	5486.50
MW-4	05/27/15	5512.86	20.58	20.58	<0.01	5492.28
MW-4	11/17/15	5512.86	23.07	23.64	0.57	5489.65
MW-4	04/15/16	5512.86	ND	23.96		5488.90
MW-4	10/11/16	5512.86	21.93	22.55	0.62	5490.77
MW-4	06/06/17	5512.86	23.02	23.74	0.72	5489.66
MW-4	07/24/17	5512.86	24.30	24.78	0.48	5488.44
MW-4	11/10/17	5512.86	ND	24.41		5488.45
MW-4	05/17/18	5512.86	23.77	23.79	0.02	5489.08
MW-4	10/29/18	5512.86	26.74	27.00	0.26	5486.05
MW-4	05/20/19	5512.86	26.25	26.25	<0.01	5486.61
MW-4	11/14/19	5512.86	25.76	25.89	0.13	5487.07
MW-4	05/14/20	5512.86	ND	24.76		5488.10
MW-4	08/18/20	5512.86	24.98	24.98	<0.01	0.00
MW-4	11/11/20	5512.86	ND	25.42		5487.44
MW-4	03/17/21	5512.86	ND	25.56		5487.30
MW-4	05/21/21	5512.86	ND	25.89		5486.97
MW-4	08/23/21	5512.86	ND	27.18		5485.68
MW-4	11/12/21	5512.86	27.32	27.35	0.03	5485.53
MW-4	03/22/22	5512.86	ND	26.88		5485.98
MW-4	05/19/22	5512.86	ND	26.59		5486.27
MW-4	11/04/22	5512.86	ND	25.48		5487.38
MW-4	05/17/23	5512.86	ND	23.83		5489.03
MW-4	11/07/23	5512.86	ND	23.25		5489.61
MW-5	11/15/00	5510.04	NR	25.62		5484.42
MW-5	09/11/01	5510.04	NR	25.94		5484.10
MW-5	09/04/02	5510.04	NR	26.21		5483.83
MW-5	12/10/02	5510.04	NR	26.11		5483.93
MW-5	06/19/03	5510.04	ND	25.80		5484.24
MW-5	09/17/03	5510.04	ND	26.67		5483.37
MW-5	12/09/03	5510.04	ND	25.88		5484.16
MW-5	03/15/04	5510.04	ND	25.52		5484.52
MW-5	09/15/04	5510.04	ND	26.60		5483.44
MW-5	03/16/05	5510.04	ND	25.21		5484.83
MW-5	09/19/05	5510.04	ND	25.20		5484.84
MW-5	03/28/07	5510.04	ND	23.54		5486.50
MW-5	09/17/07	5510.04	ND	24.87		5485.17

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	03/04/08	5510.04	ND	23.28		5486.76
MW-5	09/09/08	5510.04	ND	23.69		5486.35
MW-5	03/02/09	5510.04	ND	22.52		5487.52
MW-5	08/27/09	5510.04	ND	22.51		5487.53
MW-5	02/11/10	5510.04	ND	22.74		5487.30
MW-5	05/21/10	5510.04	ND	21.43		5488.61
MW-5	09/29/10	5510.04	ND	21.33		5488.71
MW-5	11/02/10	5510.04	ND	20.48		5489.56
MW-5	02/02/11	5510.04	ND	20.52		5489.52
MW-5	05/04/11	5510.04	ND	20.66		5489.38
MW-5	09/30/11	5510.04	ND	20.24		5489.80
MW-5	11/11/11	5510.04	ND	21.89		5488.15
MW-5	02/16/12	5510.04	ND	21.85		5488.19
MW-5	05/08/12	5510.04	ND	19.79		5490.25
MW-5	06/07/13	5510.04	ND	20.70		5489.34
MW-5	09/13/13	5510.04	ND	24.68		5485.36
MW-5	12/13/13	5510.04	ND	24.13		5485.91
MW-5	04/03/14	5510.04	ND	23.42		5486.62
MW-5	10/21/14	5510.04	ND	23.72		5486.32
MW-5	05/27/15	5510.04	ND	17.17		5492.87
MW-5	11/17/15	5510.04	ND	20.74		5489.30
MW-5	04/15/16	5510.04	ND	21.35		5488.69
MW-5	10/11/16	5510.04	ND	19.74		5490.30
MW-5	06/06/17	5510.04	ND	20.63		5489.41
MW-5	11/10/17	5510.04	ND	21.66		5488.38
MW-5	05/17/18	5510.04	ND	21.16		5488.88
MW-5	10/29/18	5510.04	ND	24.13		5485.91
MW-5	05/20/19	5510.04	ND	23.41		5486.63
MW-5	11/14/19	5510.04	ND	23.06		5486.98
MW-5	05/14/20	5510.04	ND	21.68		5488.36
MW-5	11/11/20	5510.04	ND	22.81		5487.23
MW-5	05/21/21	5510.04	ND	23.22		5486.82
MW-5	11/12/21	5510.04	ND	24.56		5485.48
MW-5	05/19/22	5510.04	ND	23.85		5486.19
MW-5	11/04/22	5510.04	ND	22.58		5487.46
MW-5	05/17/23	5510.04	ND	21.13		5488.91
MW-5	11/07/23	5510.04	ND	20.78		5489.26
MW-6	11/17/15	5510.36	ND	21.31		5489.05
MW-6	04/15/16	5510.36	ND	21.90		5488.46

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	10/11/16	5510.36	ND	20.22		5490.14
MW-6	06/06/17	5510.36	ND	20.13		5490.23
MW-6	11/10/17	5510.36	ND	22.20		5488.16
MW-6	05/17/18	5510.36	ND	21.63		5488.73
MW-6	10/29/18	5510.36	ND	24.65		5485.71
MW-6	05/20/19	5510.36	ND	23.95		5486.41
MW-6	11/14/19	5510.36	ND	23.57		5486.79
MW-6	05/14/20	5510.36	ND	22.14		5488.22
MW-6	11/11/20	5510.36	ND	23.29		5487.07
MW-6	05/21/21	5510.36	ND	23.70		5486.66
MW-6	11/12/21	5510.36	ND	25.10		5485.26
MW-6	05/19/22	5510.36	ND	24.36		5486.00
MW-6	11/04/22	5510.36	ND	23.04		5487.32
MW-6	05/17/23	5510.36	ND	21.62		5488.74
MW-6	11/07/23	5510.36	ND	21.14		5489.22
MW-7	11/17/15	5511.16	ND	21.77		5489.39
MW-7	04/15/16	5511.16	ND	22.43		5488.73
MW-7	10/11/16	5511.16	ND	20.68		5490.48
MW-7	06/06/17	5511.16	ND	21.67		5489.49
MW-7	11/10/17	5511.16	ND	22.77		5488.39
MW-7	05/17/18	5511.16	ND	22.17		5488.99
MW-7	10/29/18	5511.16	ND	25.19		5485.97
MW-7	05/20/19	5511.16	ND	24.58		5486.58
MW-7	11/14/19	5511.16	ND	24.18		5486.98
MW-7	05/14/20	5511.16	ND	22.71		5488.45
MW-7	11/11/20	5511.16	ND	23.85		5487.31
MW-7	05/21/21	5511.16	ND	24.29		5486.87
MW-7	11/12/21	5511.16	ND	25.71		5485.45
MW-7	05/19/22	5511.16	ND	25.00		5486.16
MW-7	11/04/22	5511.16	ND	23.68		5487.48
MW-7	05/17/23	5511.16	ND	22.24		5488.92
MW-7	11/07/23	5511.16	ND	21.73		5489.43
MW-8	11/17/15	5511.95	ND	22.21		5489.74
MW-8	11/17/15	5511.95	ND	22.21		5489.74
MW-8	04/15/16	5511.95	ND	22.94		5489.01
MW-8	10/11/16	5511.95	ND	21.25		5490.70
MW-8	06/06/17	5511.95	ND	22.20		5489.75
MW-8	11/10/17	5511.95	ND	23.25		5488.70
MW-8	05/17/18	5511.95	ND	22.74		5489.21

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-8	10/29/18	5511.95	ND	25.74		5486.21
MW-8	05/20/19	5511.95	ND	25.08		5486.87
MW-8	11/14/19	5511.95	ND	24.70		5487.25
MW-8	05/14/20	5511.95	ND	23.24		5488.71
MW-8	11/11/20	5511.95	ND	24.39		5487.56
MW-8	05/21/21	5511.95	ND	24.85		5487.10
MW-8	11/12/21	5511.95	ND	26.23		5485.72
MW-8	05/19/22	5511.95	ND	25.48		5486.47
MW-8	11/04/22	5511.95	ND	24.22		5487.73
MW-8	05/17/23	5511.95	ND	22.74		5489.21
MW-8	11/07/23	5511.95	ND	22.38		5489.57
MW-9	11/17/15	5513.44	ND	23.49		5489.95
MW-9	04/15/16	5513.44	ND	24.29		5489.15
MW-9	10/11/16	5513.44	ND	22.48		5490.96
MW-9	06/06/17	5513.44	ND	23.54		5489.90
MW-9	11/10/17	5513.44	ND	24.68		5488.76
MW-9	05/17/18	5513.44	ND	24.11		5489.33
MW-9	10/29/18	5513.44	ND	27.11		5486.33
MW-9	05/20/19	5513.44	ND	26.53		5486.91
MW-9	11/14/19	5513.44	ND	26.10		5487.34
MW-9	05/14/20	5513.44	ND	24.57		5488.87
MW-9	11/11/20	5513.44	ND	25.72		5487.72
MW-9	05/21/21	5513.44	ND	26.21		5487.23
MW-9	11/12/21	5513.44	ND	27.61		5485.83
MW-9	05/19/22	5513.44	ND	26.87		5486.57
MW-9	11/04/22	5513.44	ND	25.62		5487.82
MW-9	05/17/23	5513.44	ND	24.15		5489.29
MW-9	11/07/23	5513.44	ND	23.68		5489.76
MW-10	11/17/15	5513.72	ND	24.06		5489.66
MW-10	04/15/16	5513.72	ND	24.84		5488.88
MW-10	10/11/16	5513.72	ND	22.87		5490.85
MW-10	06/06/17	5513.72	ND	24.05		5489.67
MW-10	11/10/17	5513.72	ND	25.32		5488.40
MW-10	05/17/18	5513.72	ND	24.80		5488.92
MW-10	10/29/18	5513.72	ND	27.70		5486.02
MW-10	05/20/19	5513.72	ND	27.26		5486.46
MW-10	11/14/19	5513.72	ND	26.64		5487.08
MW-10	05/14/20	5513.72	ND	25.10		5488.62
MW-10	11/11/20	5513.72	ND	26.24		5487.48

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-10	05/21/21	5513.72	ND	26.78		5486.94
MW-10	11/12/21	5513.72	ND	28.22		5485.50
MW-10	05/19/22	5513.72	ND	27.52		5486.20
MW-10	11/04/22	5513.72	ND	26.18		5487.54
MW-10	05/17/23	5513.72	ND	24.74		5488.98
MW-10	11/07/23	5513.72	ND	24.01		5489.71
MW-11	11/17/15	5513.41	ND	23.91		5489.50
MW-11	04/15/16	5513.41	ND	24.73		5488.68
MW-11	10/11/16	5513.41	ND	22.66		5490.75
MW-11	06/06/17	5513.41	23.87	23.99	0.12	5489.51
MW-11	07/24/17	5513.41	25.74	25.75	0.01	5487.76
MW-11	11/10/17	5513.41	ND	25.19		5488.22
MW-11	05/17/18	5513.41	ND	24.42		5488.99
MW-11	10/29/18	5513.41	ND	27.54		5485.87
MW-11	05/20/19	5513.41	ND	27.10		5486.31
MW-11	11/14/19	5513.41	ND	26.51		5486.90
MW-11	05/14/20	5513.41	ND	24.95		5488.46
MW-11	08/18/20	5513.41	ND	25.77		5487.64
MW-11	11/11/20	5513.41	ND	26.09		5487.32
MW-11	03/17/21	5513.41	ND	26.30		5487.11
MW-11	05/21/21	5513.41	ND	26.63		5486.78
MW-11	08/23/21	5513.41	ND	27.90		5485.51
MW-11	11/12/21	5513.41	ND	28.09		5485.32
MW-11	03/22/22	5513.41	ND	27.72		5485.69
MW-11	05/19/22	5513.41	ND	27.40		5486.01
MW-11	11/04/22	5513.41	ND	26.04		5487.37
MW-11	05/17/23	5513.41	ND	24.60		5488.81
MW-11	11/07/23	5513.41	ND	23.80		5489.61
MW-12	11/17/15	5511.47	ND	22.40		5489.07
MW-12	04/15/16	5511.47	ND	23.05		5488.42
MW-12	10/11/16	5511.47	ND	21.13		5490.34
MW-12	06/06/17	5511.47	22.21	22.22	0.01	5489.26
MW-12	07/24/17	5511.47	23.30	23.31	0.01	5488.17
MW-12	11/10/17	5511.47	ND	23.47		5488.00
MW-12	05/17/18	5511.47	ND	22.80		5488.67
MW-12	10/29/18	5511.47	ND	25.84		5485.63
MW-12	05/20/19	5511.47	25.32	25.44	0.12	5486.12
MW-12	11/14/19	5511.47	24.77	24.84	0.07	5486.68
MW-12	05/14/20	5511.47	ND	23.26		5488.21

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-12	11/11/20	5511.47	24.40	24.42	0.02	5487.07
MW-12	03/17/21	5511.47	24.54	24.55	0.01	5486.93
MW-12	05/21/21	5511.47	24.89	24.91	0.02	5486.58
MW-12	08/23/21	5511.47	ND	26.19		5485.28
MW-12	11/12/21	5511.47	26.33	26.34	0.01	5485.14
MW-12	03/22/22	5511.47	25.92	25.93	0.01	5485.55
MW-12	05/19/22	5511.47	ND	25.64		5485.83
MW-12	11/04/22	5511.47	ND	24.25		5487.22
MW-12	05/17/23	5511.47	ND	22.83		5488.64
MW-12	11/07/23	5511.47	ND	22.11		5489.36
MW-13	11/17/15	5509.07	ND	20.26		5488.81
MW-13	04/15/16	5509.07	ND	20.83		5488.24
MW-13	10/11/16	5509.07	ND	19.01		5490.06
MW-13	06/06/17	5509.07	19.99	19.99	<0.01	5489.08
MW-13	11/10/17	5509.07	ND	21.17		5487.90
MW-13	05/17/18	5509.07	ND	20.52		5488.55
MW-13	10/29/18	5509.07	ND	23.53		5485.54
MW-13	05/20/19	5509.07	ND	22.98		5486.09
MW-13	11/14/19	5509.07	ND	22.44		5486.63
MW-13	05/14/20	5509.07	ND	20.97		5488.10
MW-13	11/11/20	5509.07	ND	22.10		5486.97
MW-13	05/21/21	5509.07	ND	22.55		5486.52
MW-13	11/12/21	5509.07	ND	23.97		5485.10
MW-13	05/19/22	5509.07	ND	23.28		5485.79
MW-13	11/04/22	5509.07	ND	21.90		5487.17
MW-13	05/17/23	5509.07	ND	20.48		5488.59
MW-13	11/07/23	5509.07	ND	19.86		5489.21
MW-14	05/17/18	5511.71	ND	22.67		5489.04
MW-14	10/29/18	5511.71	ND	25.80		5485.91
MW-14	05/20/19	5511.71	ND	25.51		5486.20
MW-14	11/14/19	5511.71	ND	24.80		5486.91
MW-14	05/14/20	5511.71	ND	23.17		5488.54
MW-14	11/11/20	5511.71	ND	24.29		5487.42
MW-14	05/21/21	5511.71	ND	24.92		5486.79
MW-14	11/12/21	5511.71	ND	26.40		5485.31
MW-14	05/19/22	5511.71	ND	25.75		5485.96
MW-14	11/04/22	5511.71	ND	25.75		5485.96
MW-14	05/17/23	5511.71	ND	22.90		5488.81
MW-14	11/07/23	5511.71	ND	21.87		5489.84

TABLE 3 - GROUNDWATER ELEVATION RESULTS

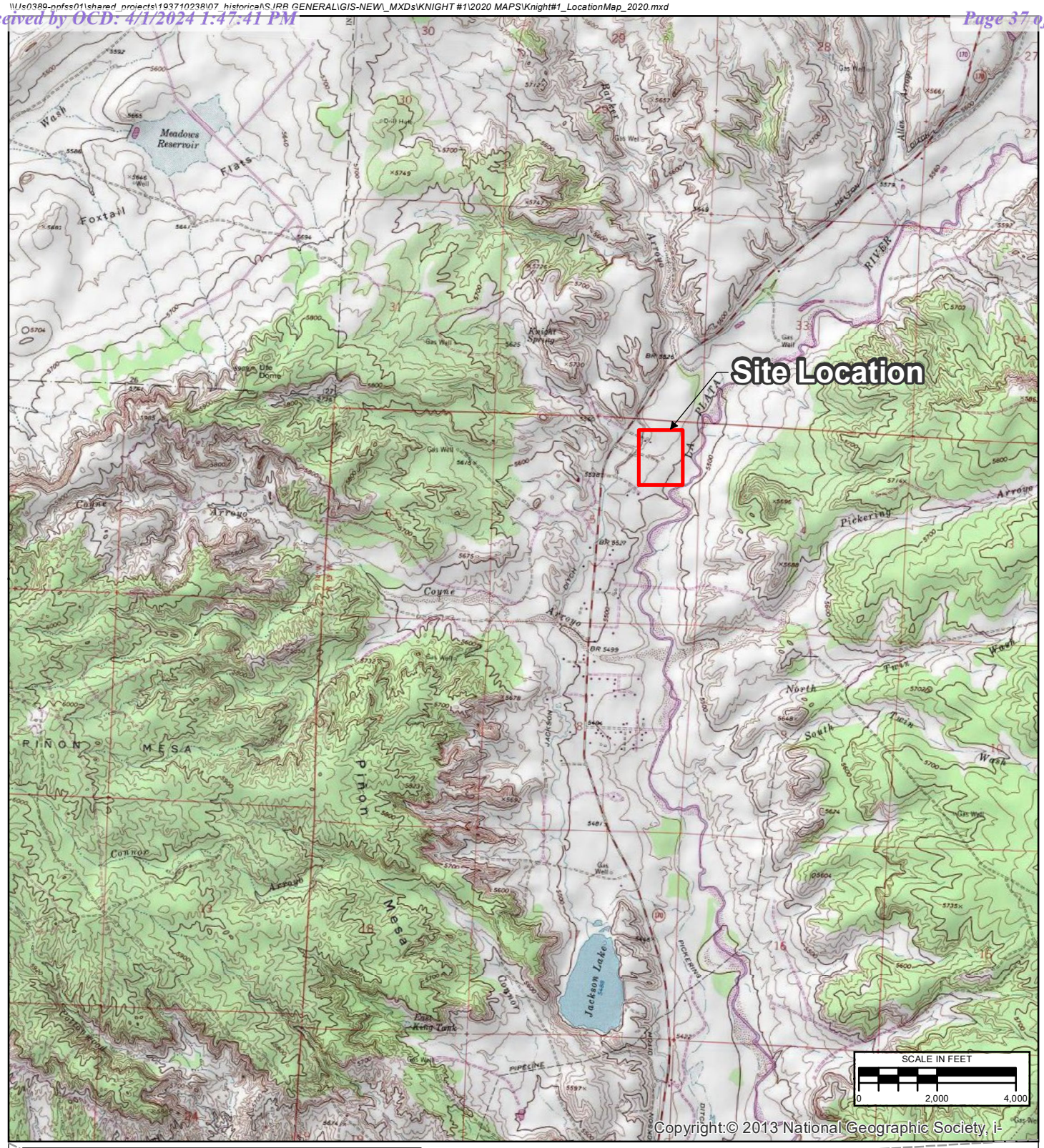
Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-15	05/17/18	5511.05	ND	22.43		5488.62
MW-15	10/29/18	5511.05	ND	25.47		5485.58
MW-15	05/20/19	5511.05	ND	25.17		5485.88
MW-15	11/14/19	5511.05	ND	24.48		5486.57
MW-15	05/14/20	5511.05	ND	22.91		5488.14
MW-15	11/11/20	5511.05	ND	24.00		5487.05
MW-15	05/21/21	5511.05	ND	24.59		5486.46
MW-15	11/12/21	5511.05	ND	26.07		5484.98
MW-15	05/19/22	5511.05	ND	25.43		5485.62
MW-15	11/04/22	5511.05	ND	23.90		5487.15
MW-15	05/17/23	5511.05	ND	22.57		5488.48
MW-15	11/07/23	5511.05	ND	21.43		5489.62
AS-1	05/17/18	5509.87	ND	23.94		5485.93
AS-1	10/29/18	5509.87	ND	27.01		5482.86
AS-1	05/20/19	5509.87	ND	26.48		5483.39
AS-1	11/14/19	5509.87	ND	26.00		5483.87
AS-1	05/14/20	5509.87	ND	24.53		5485.34
AS-1	11/11/20	5509.87	ND	25.63		5484.24
AS-2	05/17/18	5506.59	ND	20.86		5485.73
AS-2	10/29/18	5506.59	ND	23.87		5482.72
AS-2	05/20/19	5506.59	ND	23.37		5483.22
AS-2	11/14/19	5506.59	ND	22.78		5483.81
AS-2	05/14/20	5506.59	ND	21.32		5485.27
AS-2	11/11/20	5506.59	ND	22.41		5484.18
AS-3	11/14/19	5510.55	ND	23.46		5487.09
AS-4	11/14/19	5510.04	ND	23.96		5486.08
AS-8	11/14/19	5510.03	ND	23.22		5486.81
AS-12	11/14/19	5509.36	ND	20.71		5488.65
SVE-1	05/17/18	5512.72	ND	22.58		5487.21
SVE-1	10/29/18	5512.72	ND	22.60		5487.19
SVE-1	05/20/19	5512.72	ND	22.59		5487.20
SVE-1	11/14/19	5512.72	ND	22.58		5487.21
SVE-1	05/14/20	5512.72	ND	22.57		5487.22
SVE-1	11/11/20	5512.72	ND	22.63		5487.16
SVE-1	11/07/23	5509.79	ND	ND		

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Knight #1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
SVE-2	11/14/19	5510.28	ND	22.83		5487.45
SVE-2	11/07/23	5510.28	ND	20.33		5489.95
SVE-3	11/07/23	5509.60	ND	19.91		5489.69
SVE-4	11/07/23	5509.25	ND	19.72		5489.53
SVE-5	11/07/23	5509.07	ND	19.41		5489.66
SVE-6	11/14/19	5508.30	ND	21.75		5486.55
SVE-6	11/07/23	5508.30	ND	18.72		5489.58
SVE-7	11/07/23	5508.82	ND	19.31		5489.51
SVE-8	11/07/23	5507.09	ND	17.75		5489.34

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



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

TITLE
SITE LOCATION

Stantec

PROJECT
KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE
1

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SMA BENCHMARK
ELEV. 5511.39'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER KNIGHT #1 WELLHEAD
MW-9
MW-10
AS-3
MW-4
AS-4
MW-8
SVE-2
FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP
AS-5
AS-1
MW-1
SVE-3
AS-6
MW-11
MW-14
FORMER DEHYDRATOR
FORMER SEPARATOR
SVE-1
MW-3
MW-7
AS-7
AS-8
AS-9
FORMER METER HOUSE
AS-10
SVE-5
SVE-4
FORMER TANK
AS-11
AS-12
AS-13
AS-14
MW-5
MW-12
SVE-7
MW-6
SVE-6
MW-2
AS-15
AS-16
SVE-8
MW-15
MW-13
AS-2
GRAVEL PAD (CONSTRUCTED WITH SOIL 6" HIGHER THAN CURRENT ELEVATION)
DOOR
HEAT EXCHANGER
MUFFLER
REMEDIATION BUILDING
CATOX
AS STUB UPS
FIRE EXTINGUISHER
DOOR
TREE REMOVAL
JOB BOX
TANK
FORMER TANKS
IRRIGATED FIELD
AERIAL IMAGERY FROM GOOGLE EARTH, DATED 4/6/2019

LEGEND

- ACCESS ROAD
- FENCE
- GATE
- GAS LINE
- UGE UNDERGROUND ELECTRIC
- UKN UNKNOWN LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK
- EARTHEN BERM
- CULVERT
- SWALE
- MULTIPLE BURIED CONDUIT
- SINGLE BURIED CONDUIT

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
B	2023-03-25	SAH	SAH	SRV

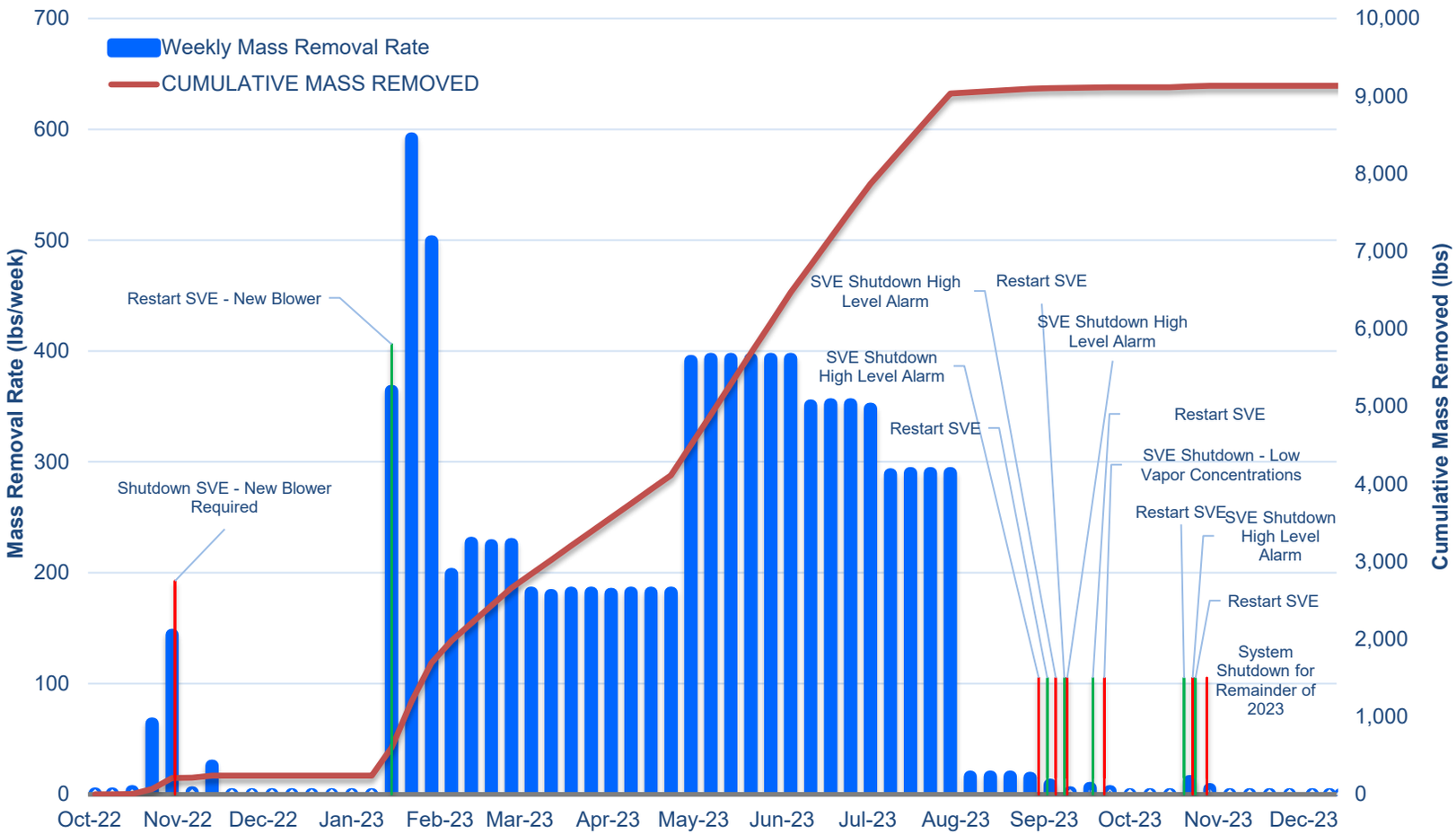
TITLE:
SITE PLAN

PROJECT:
KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.:
2

Figure 3 - TPH (Total Petroleum Hydrocarbons) Mass Removal by Week



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LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

DUP = FIELD DUPLICATE SAMPLE
NO SAMPLING WAS COMPLETED FROM THE SVE OR AIR SPARGE WELLS
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-03-14	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 17, 2023

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\KNIGHT #1\2023 MAPS\Knight#1_GECM_1SA_2023.mxd

LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

- 5488.69 — GROUNDWATER ELEVATION (CORRECTED FOR LNAPL THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL
- 5489.0 — CORRECTED WATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL) 0.2 FOOT CONTOUR INTERVAL)
- DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-03-14	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 17, 2023

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **5**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\KNIGHT #1\2023 MAPS\Knight#1_GARM_2SA_2023.mxd

SMA BENCHMARK
ELEV. 5511.39'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER KNIGHT #1 WELLHEAD

FORMER EPC PIT - EXCAVATED
APPROXIMATELY 12 FEET DEEP

FORMER DEHYDRATOR

FORMER SEPARATOR

FORMER TANK

FORMER METER HOUSE

FORMER TANKS

IRRIGATED FIELD

5510

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

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

MW-4
B: <1.0
T: 7.8
E: 1.9
X: <10

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

MW-11
B: 1.8
T: <1.0
E: <1.0
X: <10

MW-1
B: <1.0
T: <1.0
E: <1.0
X: <10

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

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

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

MW-3
B: 1.0
T: <1.0
E: 1.5
X: <10

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

MW-12
B: 18
T: <1.0
E: 3.1
X: <10

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

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

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

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

MW-9 MW-10 MW-4 MW-8 MW-11 MW-1 MW-7 MW-14 MW-3 MW-5 MW-12 MW-6 MW-2 MW-15 MW-13

AS-1 AS-2 AS-3 AS-4 AS-5 AS-6 AS-7 AS-8 AS-9 AS-10 AS-11 AS-12 AS-13 AS-14 AS-15 AS-16

SVE-1 SVE-2 SVE-3 SVE-4 SVE-5 SVE-6 SVE-7 SVE-8

GAS

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

LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GAS — GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- A — AIR SPARGE WELL
- S — SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

DUP = FIELD DUPLICATE SAMPLE
NO SAMPLING WAS COMPLETED FROM THE SVE OR AIR SPARGE WELLS
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET
0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-03-14	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 7, 2023

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\KNIGHT #1\2023 MAPS\Knight#1_GECM_2SA_2023.mxd

LEGEND:

- 5509 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- GAS LINE
- FORMER WELLHEAD
- MONITORING WELL
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SMA BENCHMARK

NOTES:

5489.84 — GROUNDWATER ELEVATION (CORRECTED FOR LNAPL THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

5489.50 — CORRECTED WATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL) 0.2 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2024-03-14	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 7, 2023

PROJECT:

KNIGHT #1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 7

APPENDICES

APPENDIX A

Site History

Knight #1
Site History
San Juan River Basin, New Mexico

Date	*Source (Regulatory File #)*	*Event/Action*	*Description/Comments*
10/12/1959	API # 30-045-10004	Well Record	Drilling commenced 8/21/1959, completed 9/17/1959. Operator Permian Oil Co.
12/22/1959	API # 30-045-10004	Certificate of Compliance and Authorization to Transport Oil and Natural Gas	El Paso Products Company is the authorized transporter of oil or condensate
4/11/1960	API # 30-045-10004	Certificate of Compliance and Authorization to Transport Oil and Natural Gas	Corrected transporter of condensate from El Paso Products Co to El Paso Natural Gas Products Co
9/16/1995	Unknown	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	Unknown	EPFS Addendum to Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Amends work plan to include installation of additional wells for delineation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	Unknown	NMOCD approval of the Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
12/28/1995	API # 30-045-10004	Request for Allowable and Authorization to Transport Oil and Natural Gas	Operator is Fuller Production Inc. Giant Refining Inc is transporter of oil.
6/2/1997	nAUTOfAB000324 (Case # 3RP-207)	Semi-annual EPFS Pit Projects Groundwater Report	Lists pits where groundwater was encountered.
8/6/1997	nAUTOfAB000324 (Case # 3RP-207)	NMOCD review letter	Approves modifying reporting schedule from semi-annual to annual basis
2/27/2998	nAUTOfAB000324 (Case # 3RP-207)	Phillip Services' 1997 Annual Report (for EPFS)	Documents pit closure, installation of MW-1 through MW-4, quarterly groundwater monitoring.

Knight #1
Site History
San Juan River Basin, New Mexico

7/8/1998	nAUTOfAB000324 (Case # 3RP-207)	NMOCD review letter for EPFS 1997 Annual Report	NMOCD requests EPFS work cooperatively with operator to investigate and remediate contaminated groundwater at the site.
7/9/1998	Case # 3RP-251	NMOCD letter to Fuller Petroleum (Fuller)	NMOCD requires Fuller submit site investigation work plan.
9/21/1998	Case # 3RP-251	Dugan Copr. letter to NMOCD Re: NMOCD 7/9/1998 letter	Site investigation work plan.
1/21/1999	Case # 3RP-251	NMOCD letter to Dugan Production Corp	NMOCD approved Fuller (Dugan) work plan.
3/31/1999	nAUTOfAB000324 (Case # 3RP-207)	Phillip Services' 1998 Annual Report (for EPFS)	Quarterly groundwater sampling.
4/7/1999	Case # 3RP-251	On Site Technologies Findings of Evaluation and Assessment report (for Fuller)	Response to NMOCD's 7/9/1998 request to conduct a site investigation.
4/16/1999	Case # 3RP-251	letter to NMOCD Re: NMOCD 1/21/1999 letter	Results of Fuller's site work and findings.
6/18/1999	Case # 3RP-251	NMOCD letter to Dugan Production Corp	Requests work plan for investigtaion and remediation of Fuller's separator pit.
7/20/1999	Case # 3RP-251	Dugan letter to NMOCD Re: NMOCD 6/18/1999 letter	Requested a 60 day extension to the 7-23-99 date for submitting a work plan.
7/22/1999	Case # 3RP-251	NMOCD letter to Dugan Production Corp	Work Plan extension approved.
8/4/1999	nAUTOfAB000324 (Case # 3RP-207)	EPFS letter to NMOCD	Submit corrected groundwater contour maps for the 1997 Annual Report
9/15/1999	Case # 3RP-251	Duan letter to NMOCD Re: NMOCD 7/22/1999 letter	Fuller agrees to have EPFS take lead on investigation.
10/20/1999	Case # 3RP-251	NMOCD letter to Dugan Production Corp	NFA granted for Fuller release.
3/24/2000	nAUTOfAB000324 (Case # 3RP-207)	Phillip Services' 1999 Annual Report (for EPFS)	Annual sampling groundwater sampling.
2/26/2001	nAUTOfAB000324 (Case # 3RP-207)	Phillip Services' 2000 Annual Report (for EPFS)	MW-5 installed, annual groundwater sampling.

Knight #1
Site History
San Juan River Basin, New Mexico

3/7/2001	nAUTOfAB000324 (Case # 3RP-207)	Letter from Phillip Services to NMOCD	Corrected groundwater maps for 1999 Annual Report.
7/18/2001	nAUTOfAB000324 (Case # 3RP-207)	NMOCD review letter for EPFS 2000 Annual Report	NMOCD requests EPFS work cooperatively with operator to investigate and remediate contaminated groundwater.
2/28/2002	nAUTOfAB000324 (Case # 3RP-207)	MWH 2001 Annual Report (for EPFS)	LNAPL recovery and annual groundwater sampling activities.
2/28/2003	nAUTOfAB000324 (Case # 3RP-207)	MWH 2002 Annual Report (for EPFS)	Quarterly LNAPL recovery and annual groundwater sampling.
2/26/2004	nAUTOfAB000324 (Case # 3RP-207)	MWH 2003 Annual Report (for EPFS)	Quarterly LNAPL recovery and annual groundwater sampling.
2/1/2005	nAUTOfAB000324 (Case # 3RP-207)	MWH 2004 Annual Report (for EPFS)	Semi-annual LNAPL recovery and annual groundwater sampling.
3/2/2006	nAUTOfAB000324 (Case # 3RP-207)	MWH 2005 Annual Report (for EPTPC)	Semi-annual LNAPL recovery and annual groundwater sampling.
8/2/2006	API # 30-045-10004	Sundry Notice (from Fuller Production Inc)	Notice of intention to abandon production well
4/2/2008	nAUTOfAB000324 (Case # 3RP-201)	MWH 2007 Annual Report (for EPTPC)	Semi-annual groundwater sampling.
4/25/2008	API # 30-045-10004	Sundry Notice (from Fuller Petroleum)	Production Well plugged 8/10/2006. NMOCD rep. was on site for 3 of the days during the work.
2/28/2009	nAUTOfAB000324 (Case # 3RP-207)	MWH 2008 Annual Report (for EPTPC)	Annual groundwater sampling.
4/16//2010	nAUTOfAB000324 (Case # 3RP-207)	MWH Final 2009 Annual Report (for EPTPC)	Annual groundwater sampling, monthly LNAPL recovery.
3/2/2011	nAUTOfAB000324 (Case # 3RP-207)	MWH Final 2010 Annual Report (for EPTPC)	Annual groundwater sampling and quarterly LNAPL recovery.
8/16/2012	nAUTOfAB000324 (Case # 3RP-207)	MWH 2011 Annual Report (for EPCGP)	Annual groundwater sampling activites.
3/4/2014	nAUTOfAB000324 (Case # 3RP-207)	MWH 2013 Annual Report (for EPCGP)	Groundwater sampling activities.
5/28/2014	nAUTOfAB000324 (Case # 3RP-207)	MWH Monitoring Well Installation Work Plan (for EPCGP)	Eight additional monitoring wells proposed. Property access needed from current lease operator, and property owner.

Knight #1
Site History
San Juan River Basin, New Mexico

2/3/2015	nAUTOfAB000324 (Case # 3RP-207)	MWH 2014 Annual Report (for EPCGP)	Annual groundwater sampling. LNAPL detected at MW-4.
6/11/2015	nAUTOfAB000324 (Case # 3RP-207)	MWH Addendum to the 2014 Monitoring Well Installation Work Plan (for EPCGP)	well installation planned completion of pending access agreement.
2/11/2016	Not in NMOCD files	MWH 2016 Annual Report (for EPCGP)	MW-6 through 13 installed, semi-annual groundwater sampling.
3/19/2017	nAUTOfAB000324 (Case # 3RP-207)	Stantec 2016 Annual Report (for EPCGP)	Semi-annual groundwater sampling. Twenty-four direct-push soil borings advanced and soil sampled.
6/2/2017	nAUTOfAB000324 (Case # 3RP-207)	NMOCD review letter for 2016 Annual Report	Remediation work plan requested.
6/29/2017	nAUTOfAB000324 (Case # 3RP-207)	MWH Work Plan for LNAPL Recovery Activities (for EPCGP)	MDPE activities proposed.
7/5/2017	nAUTOfAB000324 (Case # 3RP-207)	NMOCD approval letter for6/29/2017 LNAPL Recovery Work Plan	Work Plan approved.
7/19/2017	nAUTOfAB000324 (Case # 3RP-207)	Response letter from EPCGP to NMOCD	Two additional monitoring wells planned.
2/1/2018	nAUTOfAB000324 (Case # 3RP-207)	Stantec 2017 Annual Report (for EPCGP)	MDPE events, semi-annual groundwater sampling.
3/1/2018	Not in NMOCD files	Stantec AS/SVE Work Plan (for EPCGP)	Work Plan for AS/SVE testing and installing two monitoring wells.
3/20/2018	nAUTOfAB000324 (Case # 3RP-207)	NMOCD letter approving Groundwater Monitoring and AS/SVE Work Plan	Wrok Plan approved.
3/26/2019	Not in NMOCD files	Stantec 2018 Annual Report (for EPCGP)	MW-14, MW-15, SVE-1, AS-1 and AS-2 installed, SVE and AS feasibility testing, semi-annula groundwater sampling, three private water wells sampled.
8/27/2019	Not in NMOCD files	Stantec Work Plan for AS/SVE well installations (for EPCGP)	Work Plan for installing 14 AS and 7 SVE wells.
4/1/2020	Not in NMOCD files	Stantec 2019 Annual Report (for EPCGP)	Semi-annual groundwater sampling. Fourteen AS wells and seven SVE wells installed.

Knight #1
Site History
San Juan River Basin, New Mexico

11/4/2020	Not in NMOCD files	Stantec Work Plan for AS/SVE piping installations (for EPCGP)	Work Plan to install AS/SVE conveyence piping
4/8/2021	nAUTOfAB000324	Stantec 2020 Annual Report (for EPCGP)	Semi-annual groundwater sampling in November. AS and SVE piping and associated infrastructure installed at the site.
3/30/2022	nAUTOfAB000324	Stantec 2021 Annual Report (for EPCGP)	Semi-annual groundwater sampling and quarterly LNAPL recovery.
4/11/2022	nAUTOfAB000324	Stantec Remedial Work Plan (for EPCGP)	Work Plan for remediation system installation, start-up and O&M
3/28/2023	nAUTOfAB000324	Stantec 2022 Annual Report (for EPCGP)	AS/SVE system install and startup. Private well sampling. Semi-annual groundwater sampling activities. Quarterly LNAPL gauging and recovery only from MW-12 in March.

APPENDIX B

NMOCD Notification of Site Activities

From:	Varsa, Steve
To:	nelson.valez@state.nm.us
Cc:	Bratcher, Mike, EMNRD; Wiley, Joe
Subject:	FW: El Paso CGP Company - Notice of upcoming quarterly system O&M activities at the Knight #1 site (Incident #nAUTOfAB000324)
Date:	Thursday, March 23, 2023 10:13:08 AM

Hi Nelson – the subject work is planned for Monday, March 27, 2023, not the 28th.

Thank you,
Steve

From: Varsa, Steve
Sent: Wednesday, March 22, 2023 9:42 PM
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Wiley, Joe <Joe_Wiley@kindermorgan.com>
Subject: El Paso CGP Company - Notice of upcoming quarterly system O&M activities at the Knight #1 site (Incident #nAUTOfAB000324)

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming quarterly operation, maintenance, and monitoring activities for the remediation system in placed at the subject site. Site activities are to occur on March 28, 2023.

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

Thank you,
Steve

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

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

Hi Nelson -

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

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

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

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

Thank you,
Steve

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

From: Varsa, Steve
To: Buchanan, Michael, EMNRD
Cc: Wiley, Joe
Subject: Incident ID nAUTOfAB000324 - Knight #1 site
Date: Thursday, November 16, 2023 2:24:21 PM

Hi Michael –

With regards to the subject site, we are turning off the soil vapor extraction (SVE) portion of the remediation system for at least the next several months, and will evaluate restarting it next Spring. The air sparge portion of the system is operating and will continue to operate during this time.

The hydrocarbon concentrations in samples collected of the vapors recovered by the SVE system have decreased over 95% in compared to the sample collected earlier this year after the SVE system was started, and have remained low the past several months. In addition, groundwater elevations at the site have been unusually high this past month, which could be contributing to the lower vapor concentrations. Furthermore, the higher groundwater elevations are also resulting in water frequently getting entrained in the SVE system, triggering an alarm and shutting down the system until the water can be removed.

Details on the performance of the remediation system will be provided in the upcoming annual report for the site. In the meantime, please contact Joe Wiley, Remediation Manager for El Paso, or me, if you have any questions.

Thank you,
Steve

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

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

Hi Nelson -

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

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

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

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

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
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Des Moines, Iowa 50322
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APPENDIX C

System Operation and Emission Data

APPENDIX C1
SOIL VAPOR EXTRACTION MASS REMOVAL AND EMISSIONS
Knight #1

PERIOD START	PERIOD END	MOTOR RUN TIME IN PERIOD	CUMULATIVE RUN TIME	SVE FLOWRATE THIS PERIOD	TPH IN SVE EXHAUST	TPH MASS REMOVED THIS PERIOD	CUMULATIVE MASS REMOVED	[TPH] IN CATOX EXHAUST	TPH MASS EMITTED THIS PERIOD	CUMULATIVE TPH MASS EMITTED
(mm/dd/yy)	(mm/dd/yy)	(Hours)	(Hours)	(scfm)	(mg/m^3)	(pounds)	(pounds)	(mg/m^3)	(pounds)	(pounds)
10/19/22	10/24/22	88.4	88.4	10	41	1	1	1.0	0.0	0.0
10/24/22	10/31/22	162.6	251.0	10	41	1	2	1.0	0.0	0.0
10/31/22	11/07/22	168.9	419.9	10	41	3	5	1.0	0.0	0.0
11/07/22	11/14/22	168.0	587.9	130	2,700	64	69	1.0	0.1	0.1
11/14/22	11/21/22	109.3	697.2	130	2,700	144	213	1.1	0.1	0.2
11/21/22	11/28/22	1.5	698.7	130	2,700	2	215	1.1	0.0	0.2
11/28/22	12/05/22	19.7	718.4	130	2,700	26	241	1.1	0.0	0.2
12/05/22	12/12/22	0.0	718.4	0	-	0	241	-	0	0.2
12/12/22	12/19/22	0.0	718.4	0	-	0	241	-	0	0.2
12/19/22	12/26/22	0.0	718.4	0	-	0	241	-	0	0.2
12/26/22	01/02/23	0.0	718.4	0	-	0	241	-	0	0.2
01/02/23	01/09/23	0.0	718.4	0	-	0	241	-	0	0.2
01/09/23	01/16/23	0.0	718.4	0	-	0	241	-	0	0.2
01/16/23	01/23/23	0.0	718.4	0	-	0	241	-	0	0.2
01/23/23	01/30/23	0.0	718.4	0	-	0	241	-	0	0.2
01/30/23	02/06/23	103.0	821.4	350	2,700	364	605	-	0	0.2
02/06/23	02/13/23	167.5	988.9	350	2,700	592	1,197	1.1	0.2	0.4
02/13/23	02/20/23	137.3	1126.2	360	2,700	499	1,696	1.1	0.2	0.6
02/20/23	02/27/23	147.8	1274.0	360	1,000	199	1,981	1.1	0.2	0.9
02/27/23	03/06/23	168.0	1442.0	360	1,000	227	2,209	0.7	0.2	1.0
03/06/23	03/13/23	167.0	1609.0	360	1,000	225	2,434	0.7	0.2	1.2
03/13/23	03/20/23	167.9	1776.9	360	1,000	226	2,660	0.7	0.2	1.3
03/20/23	03/27/23	168.0	1944.9	340	850	182	2,842	0.7	0.1	1.5
03/27/23	04/03/23	166.5	2111.4	340	850	180	3,022	0.7	0.1	1.6
04/03/23	04/10/23	168.2	2279.6	340	850	182	3,204	0.7	0.1	1.8
04/10/23	04/17/23	168.1	2447.7	340	850	182	3,386	0.7	0.1	1.9
04/17/23	04/24/23	167.0	2614.7	340	850	181	3,567	2.2	0.5	2.4
04/24/23	05/01/23	168.1	2782.8	340	850	182	3,749	2.2	0.5	2.9
05/01/23	05/08/23	168.1	2950.9	340	850	182	3,931	2.2	0.5	3.3
05/08/23	05/15/23	167.9	3118.8	340	850	182	4,113	2.2	0.5	3.8
05/15/23	05/22/23	167.3	3286.1	480	1,300	391	4,504	2.2	0.7	4.5
05/22/23	05/29/23	168.1	3454.2	480	1,300	393	4,897	2.2	0.7	5.1
05/29/23	06/05/23	168.2	3622.4	480	1,300	393	5,290	2.2	0.7	5.8
06/05/23	06/12/23	168.1	3790.5	480	1,300	393	5,683	1.4	0.4	6.2
06/12/23	06/19/23	168.2	3958.7	480	1,300	393	6,076	1.4	0.4	6.6
06/19/23	06/26/23	168.2	4126.9	480	1,300	393	6,469	1.4	0.4	7.1
06/26/23	07/03/23	167.6	4294.5	430	1,300	351	6,820	1.4	0.4	7.4
07/03/23	07/10/23	168.2	4462.7	430	1,300	352	7,172	1.4	0.4	7.8
07/10/23	07/17/23	168.1	4630.8	430	1,300	352	7,524	1.4	0.4	8.2
07/17/23	07/24/23	166.4	4797.2	430	1,300	348	7,872	1.4	0.4	8.6
07/24/23	07/31/23	167.5	4964.7	430	1,070	289	8,161	0.8	0.2	8.8
07/31/23	08/07/23	168.1	5132.8	430	1,070	290	8,451	0.8	0.2	9.0
08/07/23	08/14/23	168.1	5300.9	430	1,070	290	8,741	0.8	0.2	9.2
08/14/23	08/21/23	168.2	5469.1	430	1,070	290	9,031	0.8	0.2	9.4
08/21/23	08/28/23	168.3	5637.4	430	58	16	9,047	0.8	0.2	9.6
08/28/23	09/04/23	166.6	5804.0	430	58	16	9,063	1.1	0.3	9.9
09/04/23	09/11/23	168.2	5972.2	430	58	16	9,079	1.1	0.3	10.2
09/11/23	09/18/23	150.8	6123.0	430	58	15	9,094	1.5	0.4	10.6
09/18/23	09/25/23	87.4	6210.4	430	58	9	9,103	1.5	0.2	10.8
09/25/23	10/02/23	19.2	6229.6	430	58	2	9,105	1.5	0.0	10.9
10/02/23	10/09/23	63.1	6292.7	380	58	6	9,111	1.5	0.1	11.0
10/09/23	10/16/23	31.0	6323.7	380	58	3	9,114	1.5	0.1	11.1
10/16/23	10/23/23	0.0	6323.7	0	--	0	9,114	--	0	11.1
10/23/23	10/30/23	0.0	6323.7	0	--	0	9,114	--	0	11.1
10/30/23	11/06/23	0.0	6323.7	0	--	0	9,114	--	0	11.1
11/06/23	11/13/23	136.6	6460.3	380	58	12	9,126	1.5	0.3	11.3
11/13/23	11/20/23	58.7	6519.0	380	58	5	9,131	1.5	0.1	11.5
11/20/23	11/27/23	0.0	6519.0	0	--	0	9,131	--	0	11.5
11/27/23	12/04/23	0.0	6519.0	0	--	0	9,131	--	0	11.5
12/04/23	12/11/23	0.0	6519.0	0	--	0	9,131	--	0	11.5
12/11/23	12/18/23	0.0	6519.0	0	--	0	9,131	--	0	11.5
12/18/23	12/26/23	0.0	6519.0	0	--	0	9,131	--	0	11.5
12/26/23	12/31/23	0.0	6519.0	0	--	0	9,131	--	0	11.5

APPENDIX C2
2023 AIR SPARGE RUNTIME DATA
Knight #1

PERIOD START	PERIOD END	PERIOD START	PERIOD END	TIME IN PERIOD	MOTOR RUN TIME IN PERIOD	CUMULATIVE RUN TIME
(mm/dd/yy)	(mm/dd/yy)	(mm/dd/yy)	(mm/dd/yy)	(Hours)	(Hours)	(Hours)
10/19/22	10/24/22	10/19/22	10/24/22	120.0	0.0	0.0
10/24/22	10/31/22	10/24/22	10/31/22	168.0	0.0	0.0
10/31/22	11/07/22	10/31/22	11/07/22	168.0	0.0	0.0
11/07/22	11/14/22	11/07/22	11/14/22	168.0	0.0	0.0
11/14/22	11/21/22	11/14/22	11/21/22	168.0	0.0	0.0
11/21/22	11/28/22	11/21/22	11/28/22	168.0	0.0	0.0
11/28/22	12/05/22	11/28/22	12/05/22	168.0	0.0	0.0
12/05/22	12/12/22	12/05/22	12/12/22	168.0	0.0	0.0
12/12/22	12/19/22	12/12/22	12/19/22	168.0	0.0	0.0
12/19/22	12/26/22	12/19/22	12/26/22	168.0	0.0	0.0
12/26/22	01/02/23	12/26/22	01/02/23	168.0	0.0	0.0
01/02/23	01/09/23	01/02/23	01/09/23	168.0	0.0	0.0
01/09/23	01/16/23	01/09/23	01/16/23	168.0	0.0	0.0
01/16/23	01/23/23	01/16/23	01/23/23	168.0	0.0	0.0
01/23/23	01/30/23	01/23/23	01/30/23	168.0	0.0	0.0
01/30/23	02/06/23	01/30/23	02/06/23	168.0	0.0	0.0
02/06/23	02/13/23	02/06/23	02/13/23	168.0	0.0	0.0
02/13/23	02/20/23	02/13/23	02/20/23	168.0	0.0	0.0
02/20/23	02/27/23	02/20/23	02/27/23	168.0	0.0	0.0
02/27/23	03/06/23	02/27/23	03/06/23	168.0	0.0	0.0
03/06/23	03/13/23	03/06/23	03/13/23	168.0	0.0	0.0
03/13/23	03/20/23	03/13/23	03/20/23	168.0	0.0	0.0
03/20/23	03/27/23	03/20/23	03/27/23	168.0	0.0	0.0
03/27/23	04/03/23	03/27/23	04/03/23	168.0	0.0	0.0
04/03/23	04/10/23	04/03/23	04/10/23	168.0	0.0	0.0
04/10/23	04/17/23	04/10/23	04/17/23	168.0	0.0	0.0
04/17/23	04/24/23	04/17/23	04/24/23	168.0	0.0	0.0
04/24/23	05/01/23	04/24/23	05/01/23	168.0	0.0	0.0
05/01/23	05/08/23	05/01/23	05/08/23	168.0	0.0	0.0
05/08/23	05/15/23	05/08/23	05/15/23	168.0	0.0	0.0
05/15/23	05/22/23	05/15/23	05/22/23	168.0	0.0	0.0
05/22/23	05/29/23	05/22/23	05/29/23	168.0	0.0	0.0
05/29/23	06/05/23	05/29/23	06/05/23	168.0	0.0	0.0
06/05/23	06/12/23	06/05/23	06/12/23	168.0	0.0	0.0
06/12/23	06/19/23	06/12/23	06/19/23	168.0	0.0	0.0
06/19/23	06/26/23	06/19/23	06/26/23	168.0	0.0	0.0
06/26/23	07/03/23	06/26/23	07/03/23	168.0	0.0	0.0
07/03/23	07/10/23	07/03/23	07/10/23	168.0	0.0	0.0
07/10/23	07/17/23	07/10/23	07/17/23	168.0	0.0	0.0
07/17/23	07/24/23	07/17/23	07/24/23	168.0	0.0	0.0
07/24/23	07/31/23	07/24/23	07/31/23	168.0	0.0	0.0
07/31/23	08/07/23	07/31/23	08/07/23	168.0	0.0	0.0
08/07/23	08/14/23	08/07/23	08/14/23	168.0	0.0	0.0
08/14/23	08/21/23	08/14/23	08/21/23	168.0	0.0	0.0
08/21/23	08/28/23	08/21/23	08/28/23	168.0	0.0	0.0
08/28/23	09/04/23	08/28/23	09/04/23	168.0	140.2	140.2
09/04/23	09/11/23	09/04/23	09/11/23	168.0	168.0	308.2
09/11/23	09/18/23	09/11/23	09/18/23	168.0	150.7	458.9
09/18/23	09/25/23	09/18/23	09/25/23	168.0	87.1	546.0
09/25/23	10/02/23	09/25/23	10/02/23	168.0	19.0	565.0
10/02/23	10/09/23	10/02/23	10/09/23	168.0	63.0	628.0
10/09/23	10/16/23	10/09/23	10/16/23	168.0	167.5	795.5
10/16/23	10/23/23	10/16/23	10/23/23	168.0	167.9	963.4
10/23/23	10/30/23	10/23/23	10/30/23	168.0	168.0	1131.4
10/30/23	11/06/23	10/30/23	11/06/23	168.0	168.9	1300.3
11/06/23	11/13/23	11/06/23	11/13/23	168.0	168.0	1468.3
11/13/23	11/20/23	11/13/23	11/20/23	168.0	167.9	1636.2
11/20/23	11/27/23	11/20/23	11/27/23	168.0	168.0	1804.2
11/27/23	12/04/23	11/27/23	12/04/23	168.0	168.0	1972.2
12/04/23	12/11/23	12/04/23	12/11/23	168.0	168.0	2140.2
12/11/23	12/18/23	12/11/23	12/18/23	168.0	168.2	2308.4
12/18/23	12/26/23	12/18/23	12/26/23	192.0	192.1	2500.5
12/26/23	12/31/23	12/26/23	12/31/23	120.0	120.1	2620.6

APPENDIX C3
BENZENE MASS REMOVAL
AND EMISSIONS Knight #1

PERIOD START	PERIOD END	MOTOR RUN TIME IN PERIOD	SVE FLOWRATE THIS PERIOD	BENZENE IN SVE EXHAUST	BENZENE MASS REMOVED THIS PERIOD	CUMULATIVE BENZENE MASS REMOVED	BENZENE IN CATOX EXHAUST	BENZENE MASS EMITTED THIS PERIOD	CUMULATIVE BENZENE MASS EMITTED
(mm/dd/yy)	(mm/dd/yy)	(Hours)	(scfm)	(mg/m^3)	(pounds)	(pounds)	(mg/m^3)	(pounds)	(pounds)
10/19/22	10/24/22	88.4	10	2.2	0.007	0.01	0.007	2.2E-05	2.2E-05
10/24/22	10/31/22	162.6	10	2.2	0.013	0.02	0.007	4.0E-05	6.1E-05
10/31/22	11/07/22	168.9	10	2.2	0.014	0.03	0.007	4.1E-05	1.0E-04
11/07/22	11/14/22	168.0	130	2.2	0.180	0.21	0.007	0.001	0.001
11/14/22	11/21/22	109.3	130	2.2	0.117	0.33	0.007	3.5E-04	0.001
11/21/22	11/28/22	1.5	130	2.2	0.002	0.33	0.007	4.7E-06	0.001
11/28/22	12/05/22	19.7	130	2.2	0.021	0.35	0.007	6.2E-05	0.001
12/05/22	12/12/22	0.0	0	-	0	0.35	-	0	0.001
12/12/22	12/19/22	0.0	0	-	0	0.35	-	0	0.001
12/19/22	12/26/22	0.0	0	-	0	0.35	-	0	0.001
12/26/22	01/02/23	0.0	0	-	0	0.35	-	0	0.001
01/02/23	01/09/23	0.0	0	-	0	0.35	-	0	0.001
01/09/23	01/16/23	0.0	0	-	0	0.35	-	0	0.001
01/16/23	01/23/23	0.0	0	-	0	0.35	-	0	0.001
01/23/23	01/30/23	0.0	0	-	0	0.35	-	0	0.001
01/30/23	02/06/23	103.0	350	2.2	0.297	0.65	0.007	0.001	0.002
02/06/23	02/13/23	167.5	350	2.2	0.483	1.13	0.007	0.001	0.003
02/13/23	02/20/23	137.3	360	2.2	0.407	1.54	0.007	0.001	0.005
02/20/23	02/27/23	147.8	360	0.67	0.134	1.68	0.008	0.002	0.006
02/27/23	03/06/23	168.0	360	0.67	0.152	1.83	0.008	0.002	0.008
03/06/23	03/13/23	167.0	360	0.67	0.151	1.98	0.008	0.002	0.010
03/13/23	03/20/23	167.9	360	0.67	0.152	2.13	0.008	0.002	0.011
03/20/23	03/27/23	168.0	340	0.67	0.143	2.27	0.008	0.002	0.013
03/27/23	04/03/23	166.5	340	2.2	0.467	2.74	0.057	0.012	0.025
04/03/23	04/10/23	168.2	340	2.2	0.471	3.21	0.057	0.012	0.037
04/10/23	04/17/23	168.1	340	2.2	0.471	3.68	0.057	0.012	0.049
04/17/23	04/24/23	167.0	340	2.2	0.468	4.15	0.057	0.012	0.061
04/24/23	05/01/23	168.1	340	2.2	0.471	4.62	0.057	0.012	0.074
05/01/23	05/08/23	168.1	340	2.2	0.471	5.09	0.057	0.012	0.086
05/08/23	05/15/23	167.9	340	2.2	0.471	5.56	0.057	0.012	0.098
05/15/23	05/22/23	167.3	480	2.2	0.662	6.23	0.057	0.017	0.115
05/22/23	05/29/23	168.1	480	0.40	0.121	6.35	0.015	0.005	0.120
05/29/23	06/05/23	168.2	480	0.40	0.121	6.47	0.015	0.005	0.124
06/05/23	06/12/23	168.1	480	0.40	0.121	6.59	0.015	0.005	0.129
06/12/23	06/19/23	168.2	480	0.40	0.121	6.71	0.015	0.005	0.133
06/19/23	06/26/23	168.2	480	0.40	0.121	6.83	0.015	0.005	0.138
06/26/23	07/03/23	167.6	430	0.40	0.108	6.94	0.015	0.004	0.142
07/03/23	07/10/23	168.2	430	0.40	0.108	7.05	0.015	0.004	0.146
07/10/23	07/17/23	168.1	430	0.40	0.108	7.16	0.015	0.004	0.150
07/17/23	07/24/23	166.4	430	0.40	0.107	7.26	0.015	0.004	0.154
07/24/23	07/31/23	167.5	430	0.40	0.108	7.37	0.015	0.004	0.158
07/31/23	08/07/23	168.1	430	0.40	0.108	7.48	0.015	0.004	0.162
08/07/23	08/14/23	168.1	430	0.40	0.108	7.59	0.015	0.004	0.166
08/14/23	08/21/23	168.2	430	0.40	0.108	7.70	0.015	0.004	0.170
08/21/23	08/28/23	168.3	430	0.40	0.108	7.80	0.015	0.004	0.174
08/28/23	09/04/23	166.6	430	0.016	0.004	7.81	0.011	0.003	0.177
09/04/23	09/11/23	168.2	430	0.016	0.004	7.81	0.011	0.003	0.180
09/11/23	09/18/23	150.8	430	0.016	0.004	7.82	0.011	0.003	0.183
09/18/23	09/25/23	87.4	430	0.016	0.002	7.82	0.011	0.002	0.185
09/25/23	10/02/23	19.2	430	0.016	0.000	7.82	0.011	0.000	0.185
10/02/23	10/09/23	63.1	380	0.016	0.001	7.82	0.011	0.001	0.186
10/09/23	10/16/23	31.0	380	0.016	0.001	7.82	0.011	4.9E-04	0.186
10/16/23	10/23/23	0.0	0	--	0	7.82	--	0	0.186
10/23/23	10/30/23	0.0	0	--	0	7.82	--	0	0.186
10/30/23	11/06/23	0.0	0	--	0	7.82	--	0	0.186
11/06/23	11/13/23	136.6	380	0.016	0.003	7.82	0.011	0.002	0.189
11/13/23	11/20/23	58.7	380	0.016	0.001	7.83	0.011	0.001	0.189
11/20/23	11/27/23	0.0	0	--	0	7.83	--	0	0.189
11/27/23	12/04/23	0.0	0	--	0	7.83	--	0	0.189
12/04/23	12/11/23	0.0	0	--	0	7.83	--	0	0.189
12/11/23	12/18/23	0.0	0	--	0	7.83	--	0	0.189
12/18/23	12/26/23	0.0	0	--	0	7.83	--	0	0.189
12/26/23	12/31/23	0.0	0	--	0	7.83	--	0	0.189

APPENDIX C4
TOLUENE MASS REMOVAL AND EMISSIONS Knight #1

PERIOD START	PERIOD END	MOTOR RUN TIME IN PERIOD	SVE FLOWRATE THIS PERIOD	TOLUENE IN SVE EXHAUST	TOLUENE MASS REMOVED THIS PERIOD	CUMULATIVE TOLUENE MASS REMOVED	TOLUENE IN CATOX EXHAUST	TOLUENE MASS EMITTED THIS PERIOD	CUMULATIVE TOLUENE MASS EMITTED
(mm/dd/yy)	(mm/dd/yy)	(Hours)	(scfm)	(mg/m^3)	(pounds)	(pounds)	(mg/m^3)	(pounds)	(pounds)
10/19/22	10/24/22	88.4	10	0.16	0.001	0.00	0.003	8.3E-06	8.3E-06
10/24/22	10/31/22	162.6	10	0.16	0.001	0.00	0.003	1.5E-05	2.4E-05
10/31/22	11/07/22	168.9	10	0.16	0.001	0.00	0.003	1.6E-05	3.9E-05
11/07/22	11/14/22	168.0	130	0.16	0.013	0.02	0.003	2.0E-04	2.4E-04
11/14/22	11/21/22	109.3	130	0.16	0.009	0.02	0.003	1.3E-04	3.8E-04
11/21/22	11/28/22	1.5	130	0.16	0.000	0.02	0.003	1.8E-06	3.8E-04
11/28/22	12/05/22	19.7	130	0.16	0.002	0.03	0.003	2.4E-05	4.0E-04
12/05/22	12/12/22	0.0	0	-	0	0.03	-	0	4.0E-04
12/12/22	12/19/22	0.0	0	-	0	0.03	-	0	4.0E-04
12/19/22	12/26/22	0.0	0	-	0	0.03	-	0	4.0E-04
12/26/22	01/02/23	0.0	0	-	0	0.03	-	0	4.0E-04
01/02/23	01/09/23	0.0	0	-	0	0.03	-	0	4.0E-04
01/09/23	01/16/23	0.0	0	-	0	0.03	-	0	4.0E-04
01/16/23	01/23/23	0.0	0	-	0	0.03	-	0	4.0E-04
01/23/23	01/30/23	0.0	0	-	0	0.03	-	0	4.0E-04
01/30/23	02/06/23	103.0	350	0.16	0.022	0.05	0.003	3.4E-04	0.001
02/06/23	02/13/23	167.5	350	0.16	0.035	0.08	0.003	0.001	0.001
02/13/23	02/20/23	137.3	360	0.16	0.030	0.11	0.003	4.6E-04	0.002
02/20/23	02/27/23	147.8	360	0.34	0.068	0.18	0.004	0.001	0.003
02/27/23	03/06/23	168.0	360	0.34	0.077	0.26	0.004	0.001	0.003
03/06/23	03/13/23	167.0	360	0.34	0.077	0.33	0.004	0.001	0.004
03/13/23	03/20/23	167.9	360	0.34	0.077	0.41	0.004	0.001	0.005
03/20/23	03/27/23	168.0	340	0.34	0.073	0.48	0.004	0.001	0.006
03/27/23	04/03/23	166.5	340	0.065	0.014	0.50	0.008	0.002	0.008
04/03/23	04/10/23	168.2	340	0.065	0.014	0.51	0.008	0.002	0.009
04/10/23	04/17/23	168.1	340	0.065	0.014	0.52	0.008	0.002	0.011
04/17/23	04/24/23	167.0	340	0.065	0.014	0.54	0.008	0.002	0.013
04/24/23	05/01/23	168.1	340	0.065	0.014	0.55	0.008	0.002	0.014
05/01/23	05/08/23	168.1	340	0.065	0.014	0.57	0.008	0.002	0.016
05/08/23	05/15/23	167.9	340	0.065	0.014	0.58	0.008	0.002	0.018
05/15/23	05/22/23	167.3	480	0.065	0.020	0.60	0.008	0.002	0.020
05/22/23	05/29/23	168.1	480	0.27	0.082	0.68	0.004	0.001	0.021
05/29/23	06/05/23	168.2	480	0.27	0.082	0.76	0.004	0.001	0.022
06/05/23	06/12/23	168.1	480	0.27	0.082	0.85	0.004	0.001	0.023
06/12/23	06/19/23	168.2	480	0.27	0.082	0.93	0.004	0.001	0.024
06/19/23	06/26/23	168.2	480	0.27	0.082	1.01	0.004	0.001	0.026
06/26/23	07/03/23	167.6	430	0.27	0.073	1.08	0.004	0.001	0.027
07/03/23	07/10/23	168.2	430	0.27	0.073	1.15	0.004	0.001	0.028
07/10/23	07/17/23	168.1	430	0.27	0.073	1.23	0.004	0.001	0.029
07/17/23	07/24/23	166.4	430	0.27	0.072	1.30	0.004	0.001	0.030
07/24/23	07/31/23	167.5	430	0.27	0.073	1.37	0.004	0.001	0.031
07/31/23	08/07/23	168.1	430	0.27	0.073	1.45	0.004	0.001	0.032
08/07/23	08/14/23	168.1	430	0.27	0.073	1.52	0.004	0.001	0.033
08/14/23	08/21/23	168.2	430	0.27	0.073	1.59	0.004	0.001	0.034
08/21/23	08/28/23	168.3	430	0.27	0.073	1.67	0.004	0.001	0.035
08/28/23	09/04/23	166.6	430	0.019	0.005	1.67	0.007	0.002	0.037
09/04/23	09/11/23	168.2	430	0.019	0.005	1.68	0.007	0.002	0.038
09/11/23	09/18/23	150.8	430	0.019	0.005	1.68	0.007	0.002	0.040
09/18/23	09/25/23	87.4	430	0.019	0.003	1.68	0.007	0.001	0.041
09/25/23	10/02/23	19.2	430	0.019	0.001	1.68	0.007	2.3E-04	0.042
10/02/23	10/09/23	63.1	380	0.019	0.002	1.69	0.007	0.001	0.042
10/09/23	10/16/23	31.0	380	0.019	0.001	1.69	0.007	3.2E-04	0.042
10/16/23	10/23/23	0.0	0	--	0	1.69	--	0	0.042
10/23/23	10/30/23	0.0	0	--	0	1.69	--	0	0.042
10/30/23	11/06/23	0.0	0	--	0	1.69	--	0	0.042
11/06/23	11/13/23	136.6	380	0.019	0.004	1.69	0.007	0.001	0.044
11/13/23	11/20/23	58.7	380	0.019	0.002	1.69	0.007	0.001	0.045
11/20/23	11/27/23	0.0	0	--	0	1.69	--	0	0.045
11/27/23	12/04/23	0.0	0	--	0	1.69	--	0	0.045
12/04/23	12/11/23	0.0	0	--	0	1.69	--	0	0.045
12/11/23	12/18/23	0.0	0	--	0	1.69	--	0	0.045
12/18/23	12/26/23	0.0	0	--	0	1.69	--	0	0.045
12/26/23	12/31/23	0.0	0	--	0	1.69	--	0	0.045

APPENDIX C5
ETHYLBENZENE MASS REMOVAL AND EMISSIONS Knight #1

PERIOD START	PERIOD END	MOTOR RUN TIME IN PERIOD	SVE FLOWRATE THIS PERIOD	ETHYLBENZENE IN SVE EXHAUST	ETHYLBENZENE MASS REMOVED THIS PERIOD	CUMULATIVE ETHYLBENZENE MASS REMOVED	ETHYLBENZENE IN CATOX EXHAUST	ETHYLBENZENE MASS EMITTED THIS PERIOD	CUMULATIVE ETHYLBENZENE MASS EMITTED
(mm/dd/yy)	(mm/dd/yy)	(Hours)	(scfm)	(mg/m^3)	(pounds)	(pounds)	(mg/m^3)	(pounds)	(pounds)
10/19/22	10/24/22	88.4	10	17	0	0.00	0.001	0	0
10/24/22	10/31/22	162.6	10	17	0	0.00	0.001	0	0
10/31/22	11/07/22	168.9	10	17	0	0.00	0.001	0	0
11/07/22	11/14/22	168.0	130	17	1.391	1.39	0.001	0	0
11/14/22	11/21/22	109.3	130	17	0.905	2.30	0.001	0	0
11/21/22	11/28/22	1.5	130	17	0.012	2.31	0.001	0	0
11/28/22	12/05/22	19.7	130	17	0.163	2.47	0.001	0	0
12/05/22	12/12/22	0.0	0	-	0.000	2.47	0.001	0	0
12/12/22	12/19/22	0.0	0	-	0.000	2.47	-	0	0
12/19/22	12/26/22	0.0	0	-	0.000	2.47	-	0	0
12/26/22	01/02/23	0.0	0	-	0.000	2.47	-	0	0
01/02/23	01/09/23	0.0	0	-	0.000	2.47	-	0	0
01/09/23	01/16/23	0.0	0	-	0.000	2.47	-	0	0
01/16/23	01/23/23	0.0	0	-	0.000	2.47	-	0	0
01/23/23	01/30/23	0.0	0	-	0.000	2.47	-	0	0
01/30/23	02/06/23	103.0	350	17	2.296	4.77	0.001	1.2E-04	0
02/06/23	02/13/23	167.5	350	17	3.734	8.50	0.001	1.9E-04	0.000
02/13/23	02/20/23	137.3	360	3.2	0.593	9.09	0.001	1.6E-04	0.001
02/20/23	02/27/23	147.8	360	3.2	0.638	9.73	0.001	1.7E-04	0.001
02/27/23	03/06/23	168.0	360	3.2	0.725	10.5	0.001	2.0E-04	0.001
03/06/23	03/13/23	167.0	360	3.2	0.721	11.2	0.001	2.0E-04	0.001
03/13/23	03/20/23	167.9	360	3.2	0.725	11.9	0.001	2.0E-04	0.001
03/20/23	03/27/23	168.0	340	3.2	0.685	12.6	0.001	1.9E-04	0.002
03/27/23	04/03/23	166.5	340	9.2	1.951	14.5	0.001	1.8E-04	0.002
04/03/23	04/10/23	168.2	340	9.2	1.971	16.5	0.001	1.9E-04	0.002
04/10/23	04/17/23	168.1	340	9.2	1.970	18.5	0.001	1.9E-04	0.002
04/17/23	04/24/23	167.0	340	9.2	1.957	20.4	0.001	1.9E-04	0.002
04/24/23	05/01/23	168.1	340	9.2	1.970	22.4	0.001	1.9E-04	0.002
05/01/23	05/08/23	168.1	340	9.2	1.970	24.4	0.001	1.9E-04	0.003
05/08/23	05/15/23	167.9	340	9.2	1.968	26.3	0.001	1.9E-04	0.003
05/15/23	05/22/23	167.3	480	9.2	2.768	29.1	0.001	2.6E-04	0.003
05/22/23	05/29/23	168.1	480	12	3.628	32.7	0.004	0.001	0.004
05/29/23	06/05/23	168.2	480	12	3.630	36.4	0.004	0.001	0.005
06/05/23	06/12/23	168.1	480	12	3.628	40.0	0.004	0.001	0.007
06/12/23	06/19/23	168.2	480	12	3.630	43.6	0.004	0.001	0.008
06/19/23	06/26/23	168.2	480	12	3.630	47.3	0.004	0.001	0.009
06/26/23	07/03/23	167.6	430	12	3.240	50.5	0.004	0.001	0.010
07/03/23	07/10/23	168.2	430	12	3.252	53.8	0.004	0.001	0.011
07/10/23	07/17/23	168.1	430	12	3.250	57.0	0.004	0.001	0.012
07/17/23	07/24/23	166.4	430	12	3.217	60.2	0.004	0.001	0.013
07/24/23	07/31/23	167.5	430	12	3.238	63.5	0.004	0.001	0.014
07/31/23	08/07/23	168.1	430	12	3.250	66.7	0.004	0.001	0.015
08/07/23	08/14/23	168.1	430	12	3.250	70.0	0.004	0.001	0.016
08/14/23	08/21/23	168.2	430	12	3.252	73.2	0.004	0.001	0.017
08/21/23	08/28/23	168.3	430	12	3.254	76.5	0.004	0.001	0.018
08/28/23	09/04/23	166.6	430	0.17	0.046	76.5	0.004	0.001	0.020
09/04/23	09/11/23	168.2	430	0.17	0.046	76.6	0.004	0.001	0.021
09/11/23	09/18/23	150.8	430	0.17	0.041	76.6	0.004	0.001	0.022
09/18/23	09/25/23	87.4	430	0.17	0.024	76.6	0.004	0.001	0.022
09/25/23	10/02/23	19.2	430	0.17	0.005	76.6	0.004	1.3E-04	0.023
10/02/23	10/09/23	63.1	380	0.17	0.015	76.6	0.004	3.9E-04	0.023
10/09/23	10/16/23	31.0	380	0.17	0.008	76.6	0.004	1.9E-04	0.023
10/16/23	10/23/23	0.0	0	--	0	76.6	--	0	0.023
10/23/23	10/30/23	0.0	0	--	0	76.6	--	0	0.023
10/30/23	11/06/23	0.0	0	--	0	76.6	--	0	0.023
11/06/23	11/13/23	136.6	380	0.17	0.033	76.7	0.004	0.001	0.024
11/13/23	11/20/23	58.7	380	0.17	0.014	76.7	0.004	3.6E-04	0.024
11/20/23	11/27/23	0.0	0	--	0	76.7	--	0	0.024
11/27/23	12/04/23	0.0	0	--	0	76.7	--	0	0.024
12/04/23	12/11/23	0.0	0	--	0	76.7	--	0	0.024
12/11/23	12/18/23	0.0	0	--	0	76.7	--	0	0.024
12/18/23	12/26/23	0.0	0	--	0	76.7	--	0	0.024
12/26/23	12/31/23	0.0	0	--	0	76.7	--	0	0.024

APPENDIX C6
TOTAL XYLENE MASS REMOVAL AND EMISSIONS Knight #1

PERIOD START	PERIOD END	MOTOR RUN TIME IN PERIOD	SVE FLOWRATE THIS PERIOD	TOTAL XYLENES IN SVE EXHAUST	TOTAL XYLENES MASS REMOVED THIS PERIOD	CUMULATIVE TOTAL XYLENES MASS REMOVED	TOTAL XYLENES IN CATOX EXHAUST	TOTAL XYLENES MASS EMITTED THIS PERIOD	CUMULATIVE TOTAL XYLENES MASS EMITTED
(mm/dd/yy)	(mm/dd/yy)	(Hours)	(scfm)	(mg/m^3)	(pounds)	(pounds)	(mg/m^3)	(pounds)	(pounds)
10/19/22	10/24/22	88.4	10	150	0.497	0.50	0.0067	0	0
10/24/22	10/31/22	162.6	10	150	0.914	1.41	0.0067	0	0
10/31/22	11/07/22	168.9	10	150	0.949	2.36	0.0067	0	0
11/07/22	11/14/22	168.0	130	150	12.275	14.6	0.0067	0.001	0.001
11/14/22	11/21/22	109.3	130	150	7.986	22.6	0.0067	3.6E-04	0.001
11/21/22	11/28/22	1.5	130	150	0.110	22.7	0.0067	4.9E-06	0.001
11/28/22	12/05/22	19.7	130	150	1.439	24.2	0.0067	6.4E-05	0.001
12/05/22	12/12/22	0.0	0	-	0	24.2	0.0067	0.0E+00	0.001
12/12/22	12/19/22	0.0	0	-	0	24.2	-	0	0.001
12/19/22	12/26/22	0.0	0	-	0	24.2	-	0	0.001
12/26/22	01/02/23	0.0	0	-	0	24.2	-	0	0.001
01/02/23	01/09/23	0.0	0	-	0	24.2	-	0	0.001
01/09/23	01/16/23	0.0	0	-	0	24.2	-	0	0.001
01/16/23	01/23/23	0.0	0	-	0	24.2	-	0	0.001
01/23/23	01/30/23	0.0	0	-	0	24.2	-	0	0.001
01/30/23	02/06/23	103.0	350	150	20.261	44.4	0.0067	0.001	0.002
02/06/23	02/13/23	167.5	350	150	32.949	77.4	0.0067	0.001	0.003
02/13/23	02/20/23	137.3	360	34	6.297	83.7	0.0043	0.001	0.004
02/20/23	02/27/23	147.8	360	34	6.778	90.5	0.0043	0.001	0.005
02/27/23	03/06/23	168.0	360	34	7.705	98.2	0.0043	0.001	0.006
03/06/23	03/13/23	167.0	360	34	7.659	105.8	0.0043	0.001	0.007
03/13/23	03/20/23	167.9	360	34	7.700	113.5	0.0043	0.001	0.008
03/20/23	03/27/23	168.0	340	34	7.277	120.8	0.0043	0.001	0.009
03/27/23	04/03/23	166.5	340	140	29.695	150.5	0.009	0.002	0.011
04/03/23	04/10/23	168.2	340	140	29.998	180.5	0.009	0.002	0.013
04/10/23	04/17/23	168.1	340	140	29.980	210.5	0.009	0.002	0.015
04/17/23	04/24/23	167.0	340	140	29.784	240.3	0.009	0.002	0.017
04/24/23	05/01/23	168.1	340	140	29.980	270.2	0.009	0.002	0.019
05/01/23	05/08/23	168.1	340	140	29.980	300.2	0.009	0.002	0.020
05/08/23	05/15/23	167.9	340	140	29.945	330.2	0.009	0.002	0.022
05/15/23	05/22/23	167.3	480	140	42.124	372.3	0.009	0.003	0.025
05/22/23	05/29/23	168.1	480	170	51.395	423.7	0.044	0.013	0.038
05/29/23	06/05/23	168.2	480	170	51.425	475.1	0.044	0.013	0.052
06/05/23	06/12/23	168.1	480	170	51.395	526.5	0.044	0.013	0.065
06/12/23	06/19/23	168.2	480	170	51.425	577.9	0.044	0.013	0.078
06/19/23	06/26/23	168.2	480	170	51.425	629.3	0.044	0.013	0.092
06/26/23	07/03/23	167.6	430	170	45.904	675.3	0.044	0.012	0.104
07/03/23	07/10/23	168.2	430	170	46.069	721.3	0.044	0.012	0.115
07/10/23	07/17/23	168.1	430	170	46.041	767.4	0.044	0.012	0.127
07/17/23	07/24/23	166.4	430	170	45.576	812.9	0.044	0.012	0.139
07/24/23	07/31/23	167.5	430	170	45.877	858.8	0.044	0.012	0.151
07/31/23	08/07/23	168.1	430	170	46.041	904.9	0.044	0.012	0.163
08/07/23	08/14/23	168.1	430	170	46.041	950.9	0.044	0.012	0.175
08/14/23	08/21/23	168.2	430	170	46.069	997.0	0.044	0.012	0.187
08/21/23	08/28/23	168.3	430	170	46.096	1,043.1	0.044	0.012	0.199
08/28/23	09/04/23	166.6	430	4.6	1.235	1,044.3	0.052	0.014	0.213
09/04/23	09/11/23	168.2	430	4.6	1.247	1,045.5	0.052	0.014	0.227
09/11/23	09/18/23	150.8	430	4.6	1.118	1,046.7	0.052	0.013	0.239
09/18/23	09/25/23	87.4	430	4.6	0.648	1,047.3	0.052	0.007	0.247
09/25/23	10/02/23	19.2	430	4.6	0.142	1,047.4	0.052	0.002	0.248
10/02/23	10/09/23	63.1	380	4.6	0.413	1,047.9	0.052	0.005	0.253
10/09/23	10/16/23	31.0	380	4.6	0.203	1,048.1	0.052	0.002	0.255
10/16/23	10/23/23	0.0	0	--	0	1,048.1	--	0	0.255
10/23/23	10/30/23	0.0	0	--	0	1,048.1	--	0	0.255
10/30/23	11/06/23	0.0	0	--	0	1,048.1	--	0	0.255
11/06/23	11/13/23	136.6	380	4.6	0.895	1,049.0	0.052	0.010	0.265
11/13/23	11/20/23	58.7	380	4.6	0.384	1,049.3	0.052	0.004	0.270
11/20/23	11/27/23	0.0	0	--	0	1,049.3	--	0	0.270
11/27/23	12/04/23	0.0	0	--	0	1,049.3	--	0	0.270
12/04/23	12/11/23	0.0	0	--	0	1,049.3	--	0	0.270
12/11/23	12/18/23	0.0	0	--	0	1,049.3	--	0	0.270
12/18/23	12/26/23	0.0	0	--	0	1,049.3	--	0	0.270
12/26/23	12/31/23	0.0	0	--	0	1,049.3	--	0	0.270

APPENDIX C7

SOIL VAPOR EXTRACTION SYSTEM HAP EMISSION DATA
KNIGHT#1 PIT SITE
SAN JUAN RIVER BASIN, NM

Air Emissions	Total Pounds	2023 Total Pounds	Tons	% Discharge Limit 10 Tons any HAP	% Discharge Limit 25 Tons all HAPs
Benzene	0.189	0.188	0.00	0.0%	0.0%
Toluene	0.045	0.045	0.00	0.0%	0.0%
Ethylbenzene	0.024	0.024	0.00	0.0%	0.0%
Xylenes	0.270	0.269	0.00	0.0%	0.0%
TPH-GRO	11.5	11.3	0.01	0.1%	0.0%
		Total	5.9E-03	-	2.4E-04 %

Notes:
HAP = Hazardous air pollutant.
% = Percent.
TPH-GRO = Total petroleum hydrocarbons as gasoline-range organics.

APPENDIX D

SVE Effluent Analytical Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/24/2023 3:43:59 PM

JOB DESCRIPTION

Knight #1

JOB NUMBER

400-233227-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Eurofins Pensacola

Job Notes

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

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

Authorization

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(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Laboratory Job ID: 400-233227-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Job ID: 400-233227-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-233227-1

Comments
No additional comments.

Receipt
The samples were received on 2/15/2023 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air Toxics
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: Knight #1

Job ID: 400-233227-1

Client Sample ID: SVE-EFF — Lab Sample ID: 400-233227-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0076		0.00064		mg/m3	1		TO-15	Total/NA
Toluene	0.0040		0.00075		mg/m3	1		TO-15	Total/NA
m,p-Xylene	0.0043		0.0022		mg/m3	1		TO-15	Total/NA
Xylene (total)	0.0043		0.0030		mg/m3	1		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	0.71		0.057		mg/m3	1		TO3	Total/NA

Client Sample ID: SVE-INF — Lab Sample ID: 400-233227-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.67		0.085		mg/m3	133		TO-15	Total/NA
Toluene	0.34		0.10		mg/m3	133		TO-15	Total/NA
Ethylbenzene	3.2		0.12		mg/m3	133		TO-15	Total/NA
m,p-Xylene	34		0.29		mg/m3	133		TO-15	Total/NA
Xylene (total)	34		0.40		mg/m3	133		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	1000		7.6		mg/m3	133		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-233227-1	SVE-EFF	Air	02/14/23 09:00	02/15/23 10:35
400-233227-2	SVE-INF	Air	02/14/23 09:10	02/15/23 10:35

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Client Sample ID: SVE-EFF

Lab Sample ID: 400-233227-1

Date Collected: 02/14/23 09:00
Matrix: Air
Date Received: 02/15/23 10:35
Sample Container: Tedlar Bag 3L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0076**		0.00064		mg/m3			02/16/23 20:18	1
Toluene	**0.0040**		0.00075		mg/m3			02/16/23 20:18	1
Ethylbenzene	<0.00087		0.00087		mg/m3			02/16/23 20:18	1
m,p-Xylene	**0.0043**		0.0022		mg/m3			02/16/23 20:18	1
Xylene, o-	<0.00087		0.00087		mg/m3			02/16/23 20:18	1
Xylene (total)	**0.0043**		0.0030		mg/m3			02/16/23 20:18	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**0.71**		0.057		mg/m3			02/16/23 20:18	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Client Sample ID: SVE-INF

Lab Sample ID: 400-233227-2

Date Collected: 02/14/23 09:10
Matrix: Air
Date Received: 02/15/23 10:35
Sample Container: Tedlar Bag 3L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.67**		0.085		mg/m3			02/17/23 08:28	133
Toluene	**0.34**		0.10		mg/m3			02/17/23 08:28	133
Ethylbenzene	**3.2**		0.12		mg/m3			02/17/23 08:28	133
m,p-Xylene	**34**		0.29		mg/m3			02/17/23 08:28	133
Xylene, o-	<0.12		0.12		mg/m3			02/17/23 08:28	133
Xylene (total)	**34**		0.40		mg/m3			02/17/23 08:28	133

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**1000**		7.6		mg/m3			02/17/23 08:28	133

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Client Sample ID: SVE-EFF

Lab Sample ID: 400-233227-1
Date Collected: 02/14/23 09:00
Matrix: Air
Date Received: 02/15/23 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	188504	02/16/23 20:18	K1P	EET BUR
	Instrument ID: CHW.i									
Total/NA	Analysis	TO3		1	200 mL	200 mL	188816	02/16/23 20:18	VTP	EET BUR
	Instrument ID: CHW.i									

Client Sample ID: SVE-INF

Lab Sample ID: 400-233227-2
Date Collected: 02/14/23 09:10
Matrix: Air
Date Received: 02/15/23 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		133	150 mL	200 mL	188510	02/17/23 08:28	K1P	EET BUR
	Instrument ID: CHX.i									
Total/NA	Analysis	TO3		133	150 mL	200 mL	188831	02/17/23 08:28	VTP	EET BUR
	Instrument ID: CHX.i									

Laboratory References:

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Air - GC/MS VOA

Analysis Batch: 188504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-233227-1	SVE-EFF	Total/NA	Air	TO-15	
MB 200-188504/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-188504/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 188510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-233227-2	SVE-INF	Total/NA	Air	TO-15	
MB 200-188510/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-188510/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 188816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-233227-1	SVE-EFF	Total/NA	Air	TO3	
MB 200-188816/4	Method Blank	Total/NA	Air	TO3	
LCS 200-188816/3	Lab Control Sample	Total/NA	Air	TO3	

Analysis Batch: 188831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-233227-2	SVE-INF	Total/NA	Air	TO3	
MB 200-188831/4	Method Blank	Total/NA	Air	TO3	
LCS 200-188831/3	Lab Control Sample	Total/NA	Air	TO3	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

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

Lab Sample ID: MB 200-188504/4
Matrix: Air
Analysis Batch: 188504

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			02/16/23 11:26	1
Toluene	<0.00075		0.00075		mg/m3			02/16/23 11:26	1
Ethylbenzene	<0.00087		0.00087		mg/m3			02/16/23 11:26	1
m,p-Xylene	<0.0022		0.0022		mg/m3			02/16/23 11:26	1
Xylene, o-	<0.00087		0.00087		mg/m3			02/16/23 11:26	1
Xylene (total)	<0.0030		0.0030		mg/m3			02/16/23 11:26	1

Lab Sample ID: LCS 200-188504/3
Matrix: Air
Analysis Batch: 188504

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0319	0.0365		mg/m3		114	73 - 119		
Toluene			0.0377	0.0430		mg/m3		114	75 - 122		
Ethylbenzene			0.0434	0.0507		mg/m3		117	74 - 122		
m,p-Xylene			0.0868	0.101		mg/m3		117	76 - 121		
Xylene, o-			0.0434	0.0507		mg/m3		117	73 - 123		

Lab Sample ID: MB 200-188510/4
Matrix: Air
Analysis Batch: 188510

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			02/16/23 12:24	1
Toluene	<0.00075		0.00075		mg/m3			02/16/23 12:24	1
Ethylbenzene	<0.00087		0.00087		mg/m3			02/16/23 12:24	1
m,p-Xylene	<0.0022		0.0022		mg/m3			02/16/23 12:24	1
Xylene, o-	<0.00087		0.00087		mg/m3			02/16/23 12:24	1
Xylene (total)	<0.0030		0.0030		mg/m3			02/16/23 12:24	1

Lab Sample ID: LCS 200-188510/3
Matrix: Air
Analysis Batch: 188510

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0319	0.0316		mg/m3		99	73 - 119		
Toluene			0.0377	0.0365		mg/m3		97	75 - 122		
Ethylbenzene			0.0434	0.0434		mg/m3		100	74 - 122		
m,p-Xylene			0.0868	0.0868		mg/m3		100	76 - 121		
Xylene, o-			0.0434	0.0425		mg/m3		98	73 - 123		

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

Lab Sample ID: MB 200-188816/4
Matrix: Air
Analysis Batch: 188816

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057		mg/m3			02/16/23 11:26	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

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

Lab Sample ID: LCS 200-188816/3
Matrix: Air
Analysis Batch: 188816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Octane	0.0467	0.0576		mg/m3		123	70 - 130
TPH GRO as Octane (C5-C10)	2.66	2.33		mg/m3		87	70 - 130

Lab Sample ID: MB 200-188831/4
Matrix: Air
Analysis Batch: 188831

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057	mg/m3			02/16/23 12:24	1

Lab Sample ID: LCS 200-188831/3
Matrix: Air
Analysis Batch: 188831

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Octane	0.0467	0.0468		mg/m3		100	70 - 130
TPH GRO as Octane (C5-C10)	2.66	2.28		mg/m3		86	70 - 130

Eurofins Burlington
530 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Phone (802) 660-1919

Chain of Custody Record

400-233227 Chain of Custody

Client Information	Sampler:	Lab PM: Whitmire Cheyenne R	Carrier Tracking No(s):	COC No: 400-117952-29107 1
Client Contact: Steve Varsa	Phone:	E-Mail: Cheyenne Whitmire@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040028			
Email: steve varsa@stantec.com	WO #: ERG-STN-2-10-23-SRC-1 (KNIGHT)			
Project Name: Knight #1 00 Air	Project #: 40005479			
Site: Knight #1	SSOW#:			

Analysis Requested

Preservation Codes

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

Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TO15, TO3	Total Number of containers	Special Instructions/Note.
			Preservation Code:				N		
SVE-EFF	2/14/23	0900	G	A	—		✓	3	—
SVE-INF	2/14/23	0910	G	A	—		✓	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
[signature]	2/14/23 1145	STN	[signature] ETA Burl	2/15/23 1035	

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature s) oC and Other Remarks

Ver: 01/16/2019

ORIGIN ID:FMNA (913) 980-0281
SEAN CLARY
TESTAMERICA PENSACOLA LAB
3355 MCLEMORE DR

PENSACOLA, FL 32514
UNITED STATES US

SHIP DATE: 14FEB23
ACTWGT: 8.20 LB
CAD: 6994093/SSFE2401
DIMS: 23x13x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 09/23

TO

EUROFINS
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403

(860) 471-6237 REF:
INV:
PO:

916 1 A
10:30
8356
02.15
915
X
E

WED - 15 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 0201 3946 1519 8356

XE BTVA

AHS
05403
VT-US BTV

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-233227-1

Login Number: 233227 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Reynolds, Jamie K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2010921
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-233227-1

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-23
Florida	NELAP	E87467	06-30-23
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-23
New York	NELAP	10391	04-01-23
Pennsylvania	NELAP	68-00489	04-30-23
Rhode Island	State	LAO00298	12-30-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-23 *
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399133350	08-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/13/2023 8:49:57 AM

JOB DESCRIPTION

Knight #1

JOB NUMBER

400-235304-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

Generated
4/13/2023 8:49:57 AM

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

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Laboratory Job ID: 400-235304-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Job ID: 400-235304-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-235304-1

Receipt
The samples were received on 3/29/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Client Sample ID: Pre CATOX Comp032723 — Lab Sample ID: 400-235304-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.2		0.013		mg/m3	20		TO-15	Total/NA
Toluene	0.065		0.015		mg/m3	20		TO-15	Total/NA
Ethylbenzene	7.0	E	0.017		mg/m3	20		TO-15	Total/NA
m,p-Xylene	46	E	0.043		mg/m3	20		TO-15	Total/NA
Xylene (total)	46	E	0.061		mg/m3	20		TO-15	Total/NA
Benzene - DL	2.5		0.26		mg/m3	409		TO-15	Total/NA
Ethylbenzene - DL	9.2		0.36		mg/m3	409		TO-15	Total/NA
m,p-Xylene - DL	140		0.89		mg/m3	409		TO-15	Total/NA
Xylene, o- - DL	1.6		0.36		mg/m3	409		TO-15	Total/NA
Xylene (total) - DL	140		1.2		mg/m3	409		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	850		1.1		mg/m3	20		TO3	Total/NA

Client Sample ID: Post CATOX 032723 — Lab Sample ID: 400-235304-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.057		0.00064		mg/m3	1		TO-15	Total/NA
Toluene	0.0077		0.00075		mg/m3	1		TO-15	Total/NA
m,p-Xylene	0.0090		0.0022		mg/m3	1		TO-15	Total/NA
Xylene (total)	0.0090		0.0030		mg/m3	1		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	2.2		0.057		mg/m3	1		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-235304-1	Pre CATOX Comp032723	Air	03/27/23 12:30	03/29/23 10:30	Air Canister (6-Liter) #6020
400-235304-2	Post CATOX 032723	Air	03/27/23 12:42	03/29/23 10:30	Air Canister (6-Liter) #34001427

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Client Sample ID: Pre CATOX Comp032723

Lab Sample ID: 400-235304-1
Date Collected: 03/27/23 12:30
Matrix: Air
Date Received: 03/29/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.2**		0.013		mg/m3			04/05/23 23:50	20
Toluene	**0.065**		0.015		mg/m3			04/05/23 23:50	20
Ethylbenzene	**7.0**	**E**	0.017		mg/m3			04/05/23 23:50	20
m,p-Xylene	**46**	**E**	0.043		mg/m3			04/05/23 23:50	20
Xylene, o-	<0.017		0.017		mg/m3			04/05/23 23:50	20
Xylene (total)	**46**	**E**	0.061		mg/m3			04/05/23 23:50	20

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.5**		0.26		mg/m3			04/07/23 15:50	409
Toluene	<0.31		0.31		mg/m3			04/07/23 15:50	409
Ethylbenzene	**9.2**		0.36		mg/m3			04/07/23 15:50	409
m,p-Xylene	**140**		0.89		mg/m3			04/07/23 15:50	409
Xylene, o-	**1.6**		0.36		mg/m3			04/07/23 15:50	409
Xylene (total)	**140**		1.2		mg/m3			04/07/23 15:50	409

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**850**		1.1		mg/m3			04/05/23 23:50	20

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Client Sample ID: Post CATOX 032723

Lab Sample ID: 400-235304-2
Date Collected: 03/27/23 12:42
Matrix: Air
Date Received: 03/29/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.057**		0.00064		mg/m3			04/06/23 00:42	1
Toluene	**0.0077**		0.00075		mg/m3			04/06/23 00:42	1
Ethylbenzene	<0.00087		0.00087		mg/m3			04/06/23 00:42	1
m,p-Xylene	**0.0090**		0.0022		mg/m3			04/06/23 00:42	1
Xylene, o-	<0.00087		0.00087		mg/m3			04/06/23 00:42	1
Xylene (total)	**0.0090**		0.0030		mg/m3			04/06/23 00:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**2.2**		0.057		mg/m3			04/06/23 00:42	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Client Sample ID: Pre CATOX Comp032723

Lab Sample ID: 400-235304-1
Date Collected: 03/27/23 12:30
Matrix: Air
Date Received: 03/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		20	10 mL	200 mL	190008	04/05/23 23:50	K1P	EET BUR
	Instrument ID: CHAN.i									
Total/NA	Analysis	TO-15	DL	409	34 mL	200 mL	190108	04/07/23 15:50	A1B	EET BUR
	Instrument ID: CHW.i									
Total/NA	Analysis	TO3		20	10 mL	200 mL	190291	04/05/23 23:50	VTP	EET BUR
	Instrument ID: CHAN.i									

Client Sample ID: Post CATOX 032723

Lab Sample ID: 400-235304-2
Date Collected: 03/27/23 12:42
Matrix: Air
Date Received: 03/29/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	190008	04/06/23 00:42	K1P	EET BUR
	Instrument ID: CHAN.i									
Total/NA	Analysis	TO3		1	200 mL	200 mL	190291	04/06/23 00:42	VTP	EET BUR
	Instrument ID: CHAN.i									

Laboratory References:

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Air - GC/MS VOA

Analysis Batch: 190008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235304-1	Pre CATOX Comp032723	Total/NA	Air	TO-15	
400-235304-2	Post CATOX 032723	Total/NA	Air	TO-15	
MB 200-190008/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-190008/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 190108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235304-1 - DL	Pre CATOX Comp032723	Total/NA	Air	TO-15	
MB 200-190108/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-190108/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 190291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-235304-1	Pre CATOX Comp032723	Total/NA	Air	TO3	
400-235304-2	Post CATOX 032723	Total/NA	Air	TO3	
MB 200-190291/4	Method Blank	Total/NA	Air	TO3	
LCS 200-190291/3	Lab Control Sample	Total/NA	Air	TO3	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

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

Lab Sample ID: MB 200-190008/4
Matrix: Air
Analysis Batch: 190008

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			04/05/23 11:09	1
Toluene	<0.00075		0.00075		mg/m3			04/05/23 11:09	1
Ethylbenzene	<0.00087		0.00087		mg/m3			04/05/23 11:09	1
m,p-Xylene	<0.0022		0.0022		mg/m3			04/05/23 11:09	1
Xylene, o-	<0.00087		0.00087		mg/m3			04/05/23 11:09	1
Xylene (total)	<0.0030		0.0030		mg/m3			04/05/23 11:09	1

Lab Sample ID: LCS 200-190008/3
Matrix: Air
Analysis Batch: 190008

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0319	0.0277		mg/m3		87	73 - 119		
Toluene			0.0377	0.0355		mg/m3		94	75 - 122		
Ethylbenzene			0.0434	0.0422		mg/m3		97	74 - 122		
m,p-Xylene			0.0868	0.0836		mg/m3		96	76 - 121		
Xylene, o-			0.0434	0.0418		mg/m3		96	73 - 123		

Lab Sample ID: MB 200-190108/4
Matrix: Air
Analysis Batch: 190108

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			04/07/23 10:20	1
Toluene	<0.00075		0.00075		mg/m3			04/07/23 10:20	1
Ethylbenzene	<0.00087		0.00087		mg/m3			04/07/23 10:20	1
m,p-Xylene	<0.0022		0.0022		mg/m3			04/07/23 10:20	1
Xylene, o-	<0.00087		0.00087		mg/m3			04/07/23 10:20	1
Xylene (total)	<0.0030		0.0030		mg/m3			04/07/23 10:20	1

Lab Sample ID: LCS 200-190108/3
Matrix: Air
Analysis Batch: 190108

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0319	0.0265		mg/m3		83	73 - 119		
Toluene			0.0377	0.0329		mg/m3		87	75 - 122		
Ethylbenzene			0.0434	0.0380		mg/m3		88	74 - 122		
m,p-Xylene			0.0868	0.0792		mg/m3		91	76 - 121		
Xylene, o-			0.0434	0.0403		mg/m3		93	73 - 123		

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

Lab Sample ID: MB 200-190291/4
Matrix: Air
Analysis Batch: 190291

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057		mg/m3			04/05/23 11:09	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

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

Lab Sample ID: LCS 200-190291/3
Matrix: Air
Analysis Batch: 190291

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
n-Octane			0.0467	0.0444		mg/m3		95	70 - 130		

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

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

400-235304 Chain of Custody

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

Client Contact Information	**Client Project Manager:** Steve Varsa	**Samples Collected By:** SME
Company Name: STANTEC	**Phone:** 515 253 0830	COC No. 1 of 1 COCs
Address: 11311 Aurora Ave	**Email:** Steve.Varsa@Stantec.com	TALS Project #:
City/State/Zip: Des Moines, IA 50322		**For Lab Use Only:** Walk-in Client: Lab Sampling:
Phone: 515 253 0830	**Site Contact:**	
FAX:	**Tel/Fax**	
Project Name: Knight #1	**Analysis Turnaround Time**	Job / SDG No.:
Site/Location: SSRB, NM	Standard (Specific): X	(See below for Add'l Items)
P O # —	Rush (Specify):	

GRAB

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
PreCATOXComp032723	3/27/23	1232			-25	3	—	6020							X					+			use can 6020
Post-CATOX 032723	3/27/23	1242			-25	1.25	—	34001427							X					X			34001167 exton valve
																							P_i -25
																							P_f 2.6

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments: TO15 + TO3 collected 2 cans for each Project Specific

Samples Shipped by: Fedex	**Date / Time:**	**Samples Received by:**
Samples Relinquished by:	**Date / Time:** 3/28/23 1630	**Received by:** Eurofins
Relinquished by:	**Date / Time:**	**Received by:** ETA Burl 3/29/23 1030
Lab Use Only:	**Shipper Name:**	**Opened by:** **Condition:**

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

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TestAmerica

Part # 159469-434 MTW EXP 12/23

ORIGIN ID:BTVA (505) 325-9414
SEAN CLARY, GUEST
COMFORT SUITES HOTEL
1951 CORTLAND DR

FARMINGTON, NM 87401
UNITED STATES US

SHIP DATE: 21MAR23
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3621

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S400-117952

RMA:

FedEx Express
E

RETURNS MON-SA

FedEx
TRK# 0221 6362 6306 1823

WED - 29 MAR 10:30A
PRIORITY OVERNIGHT

XE BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-235304-1
SDG Number:

Login Number: 235304
List Number: 1
Creator: Reynolds, Jamie K

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2139578, 9579
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job ID: 400-235304-1

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-23
Florida	NELAP	E87467	06-30-23
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-23
New York	NELAP	10391	04-01-24
Pennsylvania	NELAP	68-00489	04-30-24
Rhode Island	State	LAO00298	12-30-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-24
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399133350	08-31-23

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc
Project/Site: Knight #1

Job No.: 400-235304-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
400-235304-1	6	-4.2	0.86	5.16	43.1	3.93	23.59		4.57	4.57	G31	04/06/23 10:14	TPB
400-235304-1	6	0	1.00	6.00	43.3	3.95	23.67		3.95	18.05	G31	04/06/23 10:14	TPB
400-235304-1	6	0	1.00	6.00	41.9	3.85	23.10		3.85	69.49	G31	04/06/23 10:14	TPB

Formulae:

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

Where:

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/6/2023 8:25:34 AM

JOB DESCRIPTION

Knight AS/SVE

JOB NUMBER

400-238229-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

Generated
6/6/2023 8:25:34 AM

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

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Laboratory Job ID: 400-238229-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Job ID: 400-238229-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-238229-1

Comments
No additional comments.

Receipt
The samples were received on 5/23/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air Toxics
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: Knight AS/SVE

Job ID: 400-238229-1

Client Sample ID: PRE CATOX COMP — Lab Sample ID: 400-238229-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.40		0.23		mg/m3	361		TO-15	Total/NA
Ethylbenzene	12		0.31		mg/m3	361		TO-15	Total/NA
m,p-Xylene	170	E	0.78		mg/m3	361		TO-15	Total/NA
Xylene (total)	170	E	1.1		mg/m3	361		TO-15	Total/NA
Ethylbenzene - DL	10		0.61		mg/m3	705		TO-15	Total/NA
m,p-Xylene - DL	140		1.5		mg/m3	705		TO-15	Total/NA
Xylene, o- - DL	0.86		0.61		mg/m3	705		TO-15	Total/NA
Xylene (total) - DL	140		2.1		mg/m3	705		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	1300		21		mg/m3	361		TO3	Total/NA

Client Sample ID: POST CATOX — Lab Sample ID: 400-238229-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.015		0.00064		mg/m3	1		TO-15	Total/NA
Toluene	0.0037		0.00075		mg/m3	1		TO-15	Total/NA
Ethylbenzene	0.0039		0.00087		mg/m3	1		TO-15	Total/NA
m,p-Xylene	0.042		0.0022		mg/m3	1		TO-15	Total/NA
Xylene, o-	0.0020		0.00087		mg/m3	1		TO-15	Total/NA
Xylene (total)	0.044		0.0030		mg/m3	1		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	1.4		0.057		mg/m3	1		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-238229-1	PRE CATOX COMP	Air	05/22/23 13:08	05/23/23 10:30	Air Canister (6-Liter) #3161
400-238229-2	POST CATOX	Air	05/22/23 13:01	05/23/23 10:30	Air Canister (6-Liter) #2892

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Client Sample ID: PRE CATOX COMP

Lab Sample ID: 400-238229-1
Matrix: Air
Date Collected: 05/22/23 13:08
Date Received: 05/23/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.40**		0.23		mg/m3			05/30/23 20:22	361
Toluene	<0.27		0.27		mg/m3			05/30/23 20:22	361
Ethylbenzene	**12**		0.31		mg/m3			05/30/23 20:22	361
m,p-Xylene	**170**	**E**	0.78		mg/m3			05/30/23 20:22	361
Xylene, o-	<0.31		0.31		mg/m3			05/30/23 20:22	361
Xylene (total)	**170**	**E**	1.1		mg/m3			05/30/23 20:22	361

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.45		0.45		mg/m3			05/31/23 21:05	705
Toluene	<0.53		0.53		mg/m3			05/31/23 21:05	705
Ethylbenzene	**10**		0.61		mg/m3			05/31/23 21:05	705
m,p-Xylene	**140**		1.5		mg/m3			05/31/23 21:05	705
Xylene, o-	**0.86**		0.61		mg/m3			05/31/23 21:05	705
Xylene (total)	**140**		2.1		mg/m3			05/31/23 21:05	705

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**1300**		21		mg/m3			05/30/23 20:22	361

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Client Sample ID: POST CATOX

Lab Sample ID: 400-238229-2

Date Collected: 05/22/23 13:01
Matrix: Air
Date Received: 05/23/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.015		0.00064		mg/m3			05/30/23 21:14	1
Toluene	0.0037		0.00075		mg/m3			05/30/23 21:14	1
Ethylbenzene	0.0039		0.00087		mg/m3			05/30/23 21:14	1
m,p-Xylene	0.042		0.0022		mg/m3			05/30/23 21:14	1
Xylene, o-	0.0020		0.00087		mg/m3			05/30/23 21:14	1
Xylene (total)	0.044		0.0030		mg/m3			05/30/23 21:14	1

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	1.4		0.057		mg/m3			05/30/23 21:14	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Client Sample ID: PRE CATOX COMP
Lab Sample ID: 400-238229-1
Date Collected: 05/22/23 13:08
Matrix: Air
Date Received: 05/23/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15	DL	705	22 mL	200 mL	191973	05/31/23 21:05	K1P	EET BUR
Total/NA	Analysis	TO-15		361	43 mL	200 mL	191921	05/30/23 20:22	A1B	EET BUR
Total/NA	Analysis	TO3		361	43 mL	200 mL	192141	05/30/23 20:22	VTP	EET BUR

Client Sample ID: POST CATOX
Lab Sample ID: 400-238229-2
Date Collected: 05/22/23 13:01
Matrix: Air
Date Received: 05/23/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	191921	05/30/23 21:14	A1B	EET BUR
Total/NA	Analysis	TO3		1	200 mL	200 mL	192141	05/30/23 21:14	VTP	EET BUR

Client Sample ID: Method Blank
Lab Sample ID: MB 200-191921/7
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	191921	05/30/23 12:17	A1B	EET BUR

Client Sample ID: Method Blank
Lab Sample ID: MB 200-191973/5
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	191973	05/31/23 10:34	K1P	EET BUR

Client Sample ID: Method Blank
Lab Sample ID: MB 200-192141/7
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	192141	05/30/23 12:17	VTP	EET BUR

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 200-191921/6
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	191921	05/30/23 11:12	A1B	EET BUR

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 200-191973/4
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	191973	05/31/23 09:42	K1P	EET BUR

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Client Sample ID: Lab Control Sample

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

Lab Sample ID: LCS 200-192141/6

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	192141	05/30/23 11:12	VTP	EET BUR

Laboratory References:

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

Air - GC/MS VOA

Analysis Batch: 191921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238229-1	PRE CATOX COMP	Total/NA	Air	TO-15	
400-238229-2	POST CATOX	Total/NA	Air	TO-15	
MB 200-191921/7	Method Blank	Total/NA	Air	TO-15	
LCS 200-191921/6	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 191973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238229-1 - DL	PRE CATOX COMP	Total/NA	Air	TO-15	
MB 200-191973/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-191973/4	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 192141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238229-1	PRE CATOX COMP	Total/NA	Air	TO3	
400-238229-2	POST CATOX	Total/NA	Air	TO3	
MB 200-192141/7	Method Blank	Total/NA	Air	TO3	
LCS 200-192141/6	Lab Control Sample	Total/NA	Air	TO3	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

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

Lab Sample ID: MB 200-191921/7
Matrix: Air
Analysis Batch: 191921

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			05/30/23 12:17	1
Toluene	<0.00075		0.00075		mg/m3			05/30/23 12:17	1
Ethylbenzene	<0.00087		0.00087		mg/m3			05/30/23 12:17	1
m,p-Xylene	<0.0022		0.0022		mg/m3			05/30/23 12:17	1
Xylene, o-	<0.00087		0.00087		mg/m3			05/30/23 12:17	1
Xylene (total)	<0.0030		0.0030		mg/m3			05/30/23 12:17	1

Lab Sample ID: LCS 200-191921/6
Matrix: Air
Analysis Batch: 191921

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0319	0.0325		mg/m3		102	73 - 119
Toluene	0.0377	0.0325		mg/m3		86	75 - 122
Ethylbenzene	0.0434	0.0437		mg/m3		101	74 - 122
m,p-Xylene	0.0868	0.0922		mg/m3		106	76 - 121
Xylene, o-	0.0434	0.0412		mg/m3		95	73 - 123

Lab Sample ID: MB 200-191973/5
Matrix: Air
Analysis Batch: 191973

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			05/31/23 10:34	1
Toluene	<0.00075		0.00075		mg/m3			05/31/23 10:34	1
Ethylbenzene	<0.00087		0.00087		mg/m3			05/31/23 10:34	1
m,p-Xylene	<0.0022		0.0022		mg/m3			05/31/23 10:34	1
Xylene, o-	<0.00087		0.00087		mg/m3			05/31/23 10:34	1
Xylene (total)	<0.0030		0.0030		mg/m3			05/31/23 10:34	1

Lab Sample ID: LCS 200-191973/4
Matrix: Air
Analysis Batch: 191973

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0319	0.0325		mg/m3		102	73 - 119
Toluene	0.0377	0.0388		mg/m3		103	75 - 122
Ethylbenzene	0.0434	0.0452		mg/m3		104	74 - 122
m,p-Xylene	0.0868	0.0900		mg/m3		104	76 - 121
Xylene, o-	0.0434	0.0451		mg/m3		104	73 - 123

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

Lab Sample ID: MB 200-192141/7
Matrix: Air
Analysis Batch: 192141

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057		mg/m3			05/30/23 12:17	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job ID: 400-238229-1

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

Lab Sample ID: LCS 200-192141/6
Matrix: Air
Analysis Batch: 192141

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
n-Octane			0.0467	0.0484		mg/m3		104	70 - 130		

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

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

eurofins | Environment Testing America

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

Client Contact Information	**Client Project Manager:** Cheyenne W	**Samples Collected By:** S.R.C
Company Name: STANTEC	Phone: —	COC No: 1 of 1 COCs
Address: 11511 Aurora Ave	Email: —	TALS Project #:
City/State/Zip: Urbandale, IA 50322		**For Lab Use Only:**
Phone: 413 980 0281	**Site Contact:** Sean Clay	Walk-in Client:
FAX:	**Tel/Fax** 913 980 0281	Lab Sampling:
Project Name: Knight AS/SVE	**Analysis Turnaround Time**	
Site/Location: SSRB, KIM	Standard (Specific): X	Job / SDG No.
P O #	Rush (Specifiy):	(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Pre Catox Lamp			5/22/23	1303	25	1.5		3161	X						X					X			
Post Catox			5/22/23	1301	26	1		2892	X						X					X			

400-238229 Chain of Custody

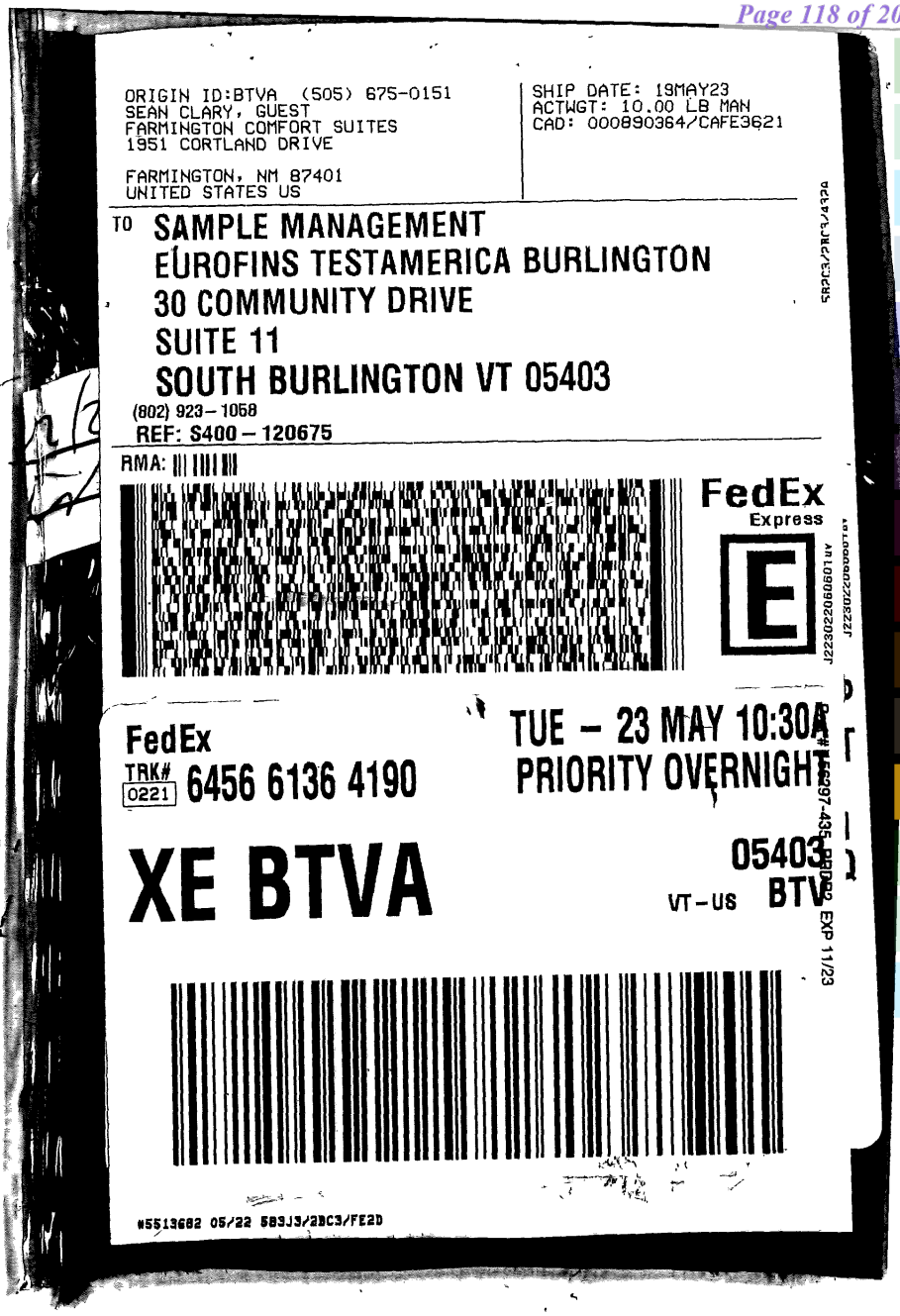
Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:
"steve.vu-sae@stantec.com" (report to) TO3 & TO15 Prov Spec

Samples Shipped by:	**Date / Time:** 5/22/23 1406	**Samples Received by:** GTA Burl 5/23/23 1030
Samples Relinquished by:	**Date / Time:**	**Received by:**
Relinquished by:	**Date / Time:**	**Received by:**
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021



ORIGIN ID:BTVA (505) 675-0151
SEAN CLARY, GUEST
FARMINGTON COMFORT SUITES
1951 CORTLAND DRIVE

FARMINGTON, NM 87401
UNITED STATES US

SHIP DATE: 19MAY23
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3621

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S400-120675

RMA:

FedEx Express

FedEx
TRK# 0221 6456 6136 4190

TUE - 23 MAY 10:30A
PRIORITY OVERNIGHT

XE BTVA

05403
VT-US BTV

#5513682 05/22 583J3/2BC3/FE2D

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-238229-1

Login Number: 238229 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Khudaier, Zahraa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2159620, 9621
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-238229-1
Project/Site: Knight AS/SVE

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-18-24
Florida	NELAP	E87467	06-04-23
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-23
New York	NELAP	10391	03-31-24
Pennsylvania	NELAP	68-00489	04-30-24
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-24
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399133350	08-31-23

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc
Project/Site: Knight AS/SVE

Job No.: 400-238229-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
400-238229-1	6	-6.7	0.78	4.66	43.2	3.94	23.63		5.08	5.08	G31	05/30/23 12:15	TPB
400-238229-1	6	0	1.00	6.00	41.0	3.79	22.73		3.79	19.23	G31	05/30/23 12:15	TPB
400-238229-1	6	0	1.00	6.00	44.6	4.03	24.20		4.03	77.58	G31	05/30/23 12:15	TPB

Formulae:

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

Where:

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/5/2023 11:54:21 AM

JOB DESCRIPTION

Knight #1.00
SDG NUMBER San Juan River Basin

JOB NUMBER

400-242781-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

my EOL

Eurofins Pensacola

Job Notes

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

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

Authorization

Generated
9/5/2023 11:54:21 AM

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

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Laboratory Job ID: 400-242781-1
SDG: San Juan River Basin

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Job ID: 400-242781-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-242781-1

Receipt
The samples were received on 8/31/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Client Sample ID: PRE-CATOX — Lab Sample ID: 400-242781-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.17		0.022		mg/m3	25.6		TO-15	Total/NA
m,p-Xylene	4.3		0.056		mg/m3	25.6		TO-15	Total/NA
Xylene, o-	0.30		0.022		mg/m3	25.6		TO-15	Total/NA
Xylene (total)	4.6		0.078		mg/m3	25.6		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	58		1.5		mg/m3	25.6		TO3	Total/NA

Client Sample ID: POST-CATOX — Lab Sample ID: 400-242781-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.011		0.00064		mg/m3	1		TO-15	Total/NA
Toluene	0.0073		0.00075		mg/m3	1		TO-15	Total/NA
Ethylbenzene	0.0043		0.00087		mg/m3	1		TO-15	Total/NA
m,p-Xylene	0.047		0.0022		mg/m3	1		TO-15	Total/NA
Xylene, o-	0.0047		0.00087		mg/m3	1		TO-15	Total/NA
Xylene (total)	0.052		0.0030		mg/m3	1		TO-15	Total/NA
TPH GRO as Octane (C5-C10)	1.5		0.057		mg/m3	1		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-242781-1	PRE-CATOX	Air	08/29/23 09:32	08/31/23 10:30	Air Canister (6-Liter) #5051
400-242781-2	POST-CATOX	Air	08/29/23 09:35	08/31/23 10:30	Air Canister (6-Liter) #4802

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Client Sample ID: PRE-CATOX

Lab Sample ID: 400-242781-1
Date Collected: 08/29/23 09:32
Matrix: Air
Date Received: 08/31/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.016		0.016		mg/m3			09/01/23 19:13	25.6
Toluene	<0.019		0.019		mg/m3			09/01/23 19:13	25.6
Ethylbenzene	**0.17**		0.022		mg/m3			09/01/23 19:13	25.6
m,p-Xylene	**4.3**		0.056		mg/m3			09/01/23 19:13	25.6
Xylene, o-	**0.30**		0.022		mg/m3			09/01/23 19:13	25.6
Xylene (total)	**4.6**		0.078		mg/m3			09/01/23 19:13	25.6

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	**58**		1.5		mg/m3			09/01/23 19:13	25.6

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Client Sample ID: POST-CATOX

Date Collected: 08/29/23 09:35
Date Received: 08/31/23 10:30

Lab Sample ID: 400-242781-2

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.011		0.00064		mg/m3			09/01/23 20:11	1
Toluene	0.0073		0.00075		mg/m3			09/01/23 20:11	1
Ethylbenzene	0.0043		0.00087		mg/m3			09/01/23 20:11	1
m,p-Xylene	0.047		0.0022		mg/m3			09/01/23 20:11	1
Xylene, o-	0.0047		0.00087		mg/m3			09/01/23 20:11	1
Xylene (total)	0.052		0.0030		mg/m3			09/01/23 20:11	1

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	1.5		0.057		mg/m3			09/01/23 20:11	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Client Sample ID: PRE-CATOX
Lab Sample ID: 400-242781-1
Date Collected: 08/29/23 09:32
Matrix: Air
Date Received: 08/31/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		25.6	27 mL	200 mL	195068	09/01/23 19:13	K1P	EET BUR
Total/NA	Analysis	TO3		25.6	27 mL	200 mL	195069	09/01/23 19:13	VTP	EET BUR

Client Sample ID: POST-CATOX
Lab Sample ID: 400-242781-2
Date Collected: 08/29/23 09:35
Matrix: Air
Date Received: 08/31/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	195068	09/01/23 20:11	K1P	EET BUR
Total/NA	Analysis	TO3		1	200 mL	200 mL	195069	09/01/23 20:11	VTP	EET BUR

Client Sample ID: Method Blank
Lab Sample ID: MB 200-195068/5
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	195068	09/01/23 10:58	K1P	EET BUR

Client Sample ID: Method Blank
Lab Sample ID: MB 200-195069/5
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	195069	09/01/23 10:58	VTP	EET BUR

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 200-195068/3
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	200 mL	200 mL	195068	09/01/23 09:08	K1P	EET BUR

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 200-195069/3
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO3		1	200 mL	200 mL	195069	09/01/23 09:08	VTP	EET BUR

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Air - GC/MS VOA

Analysis Batch: 195068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242781-1	PRE-CATOX	Total/NA	Air	TO-15	
400-242781-2	POST-CATOX	Total/NA	Air	TO-15	
MB 200-195068/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-195068/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 195069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-242781-1	PRE-CATOX	Total/NA	Air	TO3	
400-242781-2	POST-CATOX	Total/NA	Air	TO3	
MB 200-195069/5	Method Blank	Total/NA	Air	TO3	
LCS 200-195069/3	Lab Control Sample	Total/NA	Air	TO3	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

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

Lab Sample ID: MB 200-195068/5
Matrix: Air
Analysis Batch: 195068

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00064		0.00064		mg/m3			09/01/23 10:58	1
Toluene	<0.00075		0.00075		mg/m3			09/01/23 10:58	1
Ethylbenzene	<0.00087		0.00087		mg/m3			09/01/23 10:58	1
m,p-Xylene	<0.0022		0.0022		mg/m3			09/01/23 10:58	1
Xylene, o-	<0.00087		0.00087		mg/m3			09/01/23 10:58	1
Xylene (total)	<0.0030		0.0030		mg/m3			09/01/23 10:58	1

Lab Sample ID: LCS 200-195068/3
Matrix: Air
Analysis Batch: 195068

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0319	0.0299		mg/m3		94	73 - 119
Toluene	0.0377	0.0330		mg/m3		88	75 - 122
Ethylbenzene	0.0434	0.0380		mg/m3		88	74 - 122
m,p-Xylene	0.0868	0.0767		mg/m3		88	76 - 121
Xylene, o-	0.0434	0.0384		mg/m3		88	73 - 123

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

Lab Sample ID: MB 200-195069/5
Matrix: Air
Analysis Batch: 195069

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH GRO as Octane (C5-C10)	<0.057		0.057		mg/m3			09/01/23 10:58	1

Lab Sample ID: LCS 200-195069/3
Matrix: Air
Analysis Batch: 195069

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
n-Octane	0.0467	0.0418		mg/m3		89	70 - 130

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660 1919

Canister Samples Chain of Custody Record

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

eurofins | Environment Testing America

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

Client Contact Information		Client Project Manager: Steve Varsa	Samples Collected By: Scott Stanley / Carl Lehman	COC No
Company Name:	Stantec Consulting	Phone: 515-251-1020		1 of 1 COCs
Address	11311 Aurora Avenue	Email: steve.varsa@stantec.com		TALS Project #:
City/State/Zip	Des Moines, IA 50322			For Lab Use Only:
Phone:	515-253-0830	Site Contact:		Walk-in Client:
FAX.		Tel/Fax		Lab Sampling:
Project Name:	Knight #1	Analysis Turnaround Time		Job / SDG No .
Site/Location:	San Juan River Basin	Standard (Specific). X		(See below for Add'l Items)
P O #	193709648.002	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Pre-CATOX	8/29/23	0932	8/29/23	0932	-16.5	0.0	6569	5051	X						X					X			TO-3 BTEX TO-15 TPH
Post-CATOX	8/29/23	0935	8/29/23	0935	-25	0.0	6569	4802	X						X					X			TO-3 BTEX TO-15 TPH

400-242781 Chain of Custody

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Ref: S400-122437
Dep:
Date: 18Aug23
Wgt: 10.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs. PRIORITY OVERNIGHT Master 6862 7349 8919
TRCK: 6862 7349 8930

Special Instructions/QC Requirements & Comments:
Shipping Order ID#1224__ ARF Dated 8/7/2023

Samples Shipped by: Scott Stanley	**Date / Time:** 8/29/23 Dropped off at FEDEX	**Samples Received by:** ETA Bori 8/30/23 1035
Samples Relinquished by:	**Date / Time:**	**Received by:**
Relinquished by:	**Date / Time:**	**Received by:**
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 03/24

ORIGIN ID:BTVA (505) 875-0151
SCOTT STANLEY, GUEST
FARMINGTON COMFORT SUITES
1951 CORTLAND DRIVE

FARMINGTON, NM 87401
UNITED STATES US

SHIP DATE: 18AUG23
ACTWGT: 10.00 LB MAN
CAD: 0000890364/CAFE3709

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S400-122437

RMA:

FedEx Express

FedEx
TRK# 0221 6862 7349 8930

WED - 30 AUG 10:30A
PRIORITY OVERNIGHT

XE BTVA

05403
VT-US BTV

Part # 156297-435 RRDB2 EXP 11/23

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-242781-1
SDG Number: San Juan River Basin

Login Number: 242781
List Number: 1
Creator: Lavigne, Scott M

List Source: Eurofins Pensacola

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-242781-1
SDG: San Juan River Basin

Laboratory: Eurofins Burlington

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

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

Summa Canister Dilution Worksheet

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job No.: 400-242781-1
SDG No.: San Juan River Basin

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
400-242781-1	0	-4.1	0.86	0.00	29.1	2.98	0.00		3.45	3.45	G35	09/01/23 11:41	TPB

Formulae:

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

Where:

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

APPENDIX E

Waste Disposal Documentation

envirotech

Bill of Lading

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

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

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

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

LANDFARM EMPLOYEE

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

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

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

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

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

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023 TIME 1550

Attach test strip here

CUSTOMER Kinder Morgan

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

DRIVER [redacted]

SAMPLE Soil Straight _____ With Dirt ✓

CHLORIDE TEST -281 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 1550 Time completed 1600

PASS YES ✓ NO _____

SAMPLER/ANALYST [redacted]

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

envirotech

Bill of Lading

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

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

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

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

Generator Onsite Contact _____ Phone _____

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

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 82577

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

CUSTOMER ELPaso

SITE See Bol 82577

DRIVER Stoven by Gomez

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1430 Time completed 1441

PASS YES X NO _____

SAMPLER/ANALYST _____

Attach test strip here

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

envirotech

Bill of Lading

MANIFEST # 78478
GENERATOR ELPaso
POINT OF ORIGIN Knight #1
TRANSPORTER Sierra
DATE 03/31/23 JOB # 14073-0069

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tankbottoms			1			36	1215	
					1					

Bill 5 bbls min

SCANNED

RESULTS			LANDFARM EMPLOYEE	NOTES
-281	CHLORIDE TEST	1	Cory Robinson	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST			
Pass	PAINT FILTER TEST	1		

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

Generator Onsite Contact _____ Phone _____

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APPENDIX F

Groundwater Analytical Lab Reports

Stantec

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/14/2023 8:52:04 AM Revision 1

JOB DESCRIPTION

Knight #1.00
SDG NUMBER Knight

JOB NUMBER

400-237989-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

Generated
6/14/2023 8:52:04 AM
Revision 1

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

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Job ID: 400-237989-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-237989-1

Comments
No additional comments.

Receipt
The samples were received on 5/19/2023 9:09 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260D: The matrix spike (MS) recoveries for analytical batch 400-627139 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-627139 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

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: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-237989-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-237989-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	3.1		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 400-237989-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-237989-4

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-237989-5

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

Client Sample ID: MW-4 — Lab Sample ID: 400-237989-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	5.7		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total	89		10		ug/L	1		8260D	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 400-237989-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	32		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 400-237989-8

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 400-237989-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-237989-1	TRIP BLANK	Water	05/17/23 16:33	05/19/23 09:09
400-237989-2	DUP-01	Water	05/17/23 16:34	05/19/23 09:09
400-237989-3	MW-1	Water	05/17/23 16:45	05/19/23 09:09
400-237989-4	MW-2	Water	05/17/23 16:50	05/19/23 09:09
400-237989-5	MW-3	Water	05/17/23 16:55	05/19/23 09:09
400-237989-6	MW-4	Water	05/17/23 17:00	05/19/23 09:09
400-237989-7	MW-11	Water	05/17/23 17:05	05/19/23 09:09
400-237989-8	MW-12	Water	05/17/23 17:10	05/19/23 09:09
400-237989-9	MW-13	Water	05/17/23 16:35	05/19/23 09:09

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: TRIP BLANK

Date Collected: 05/17/23 16:33
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/31/23 08:57	1
Toluene	<1.0		1.0		ug/L			05/31/23 08:57	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/23 08:57	1
Xylenes, Total	<10		10		ug/L			05/31/23 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/31/23 08:57*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*05/31/23 08:57*	*1*
4-Bromofluorobenzene	*99*		*72 - 130*		*05/31/23 08:57*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: DUP-01

Date Collected: 05/17/23 16:34
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 14:37	1
Toluene	<1.0		1.0		ug/L			05/24/23 14:37	1
Ethylbenzene	**3.1**		1.0		ug/L			05/24/23 14:37	1
Xylenes, Total	<10		10		ug/L			05/24/23 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*64 - 132*		*05/24/23 14:37*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*05/24/23 14:37*	*1*
4-Bromofluorobenzene	*84*		*72 - 130*		*05/24/23 14:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-1

Date Collected: 05/17/23 16:45
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**11**		1.0		ug/L			05/24/23 15:01	1
Toluene	<1.0		1.0		ug/L			05/24/23 15:01	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/23 15:01	1
Xylenes, Total	<10		10		ug/L			05/24/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*64 - 132*		*05/24/23 15:01*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*05/24/23 15:01*	*1*
4-Bromofluorobenzene	*80*		*72 - 130*		*05/24/23 15:01*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-2

Date Collected: 05/17/23 16:50
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 15:24	1
Toluene	<1.0		1.0		ug/L			05/24/23 15:24	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/23 15:24	1
Xylenes, Total	<10		10		ug/L			05/24/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*64 - 132*		*05/24/23 15:24*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*05/24/23 15:24*	*1*
4-Bromofluorobenzene	*82*		*72 - 130*		*05/24/23 15:24*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-3

Date Collected: 05/17/23 16:55
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 15:48	1
Toluene	<1.0		1.0		ug/L			05/24/23 15:48	1
Ethylbenzene	**1.3**		1.0		ug/L			05/24/23 15:48	1
Xylenes, Total	<10		10		ug/L			05/24/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*64 - 132*		*05/24/23 15:48*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*05/24/23 15:48*	*1*
4-Bromofluorobenzene	*83*		*72 - 130*		*05/24/23 15:48*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-4

Date Collected: 05/17/23 17:00
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/31/23 09:19	1
Toluene	<1.0		1.0		ug/L			05/31/23 09:19	1
Ethylbenzene	**5.7**		1.0		ug/L			05/31/23 09:19	1
Xylenes, Total	**89**		10		ug/L			05/31/23 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/31/23 09:19*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*05/31/23 09:19*	*1*
4-Bromofluorobenzene	*102*		*72 - 130*		*05/31/23 09:19*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-11

Date Collected: 05/17/23 17:05
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		1.0		ug/L			05/31/23 09:43	1
Toluene	<1.0		1.0		ug/L			05/31/23 09:43	1
Ethylbenzene	**32**		1.0		ug/L			05/31/23 09:43	1
Xylenes, Total	<10		10		ug/L			05/31/23 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*64 - 132*		*05/31/23 09:43*	*1*
Dibromofluoromethane	*90*		*75 - 126*		*05/31/23 09:43*	*1*
4-Bromofluorobenzene	*101*		*72 - 130*		*05/31/23 09:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-12

Date Collected: 05/17/23 17:10
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/31/23 10:07	1
Toluene	<1.0		1.0		ug/L			05/31/23 10:07	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/23 10:07	1
Xylenes, Total	<10		10		ug/L			05/31/23 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*68*		*64 - 132*		*05/31/23 10:07*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*05/31/23 10:07*	*1*
4-Bromofluorobenzene	*102*		*72 - 130*		*05/31/23 10:07*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-13

Date Collected: 05/17/23 16:35
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/31/23 10:29	1
Toluene	<1.0		1.0		ug/L			05/31/23 10:29	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/23 10:29	1
Xylenes, Total	<10		10		ug/L			05/31/23 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/31/23 10:29*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*05/31/23 10:29*	*1*
4-Bromofluorobenzene	*100*		*72 - 130*		*05/31/23 10:29*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-237989-1
Date Collected: 05/17/23 16:33
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 08:57	WPD	EET PEN

Client Sample ID: DUP-01
Lab Sample ID: 400-237989-2
Date Collected: 05/17/23 16:34
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626246	05/24/23 14:37	WPD	EET PEN

Client Sample ID: MW-1
Lab Sample ID: 400-237989-3
Date Collected: 05/17/23 16:45
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626246	05/24/23 15:01	WPD	EET PEN

Client Sample ID: MW-2
Lab Sample ID: 400-237989-4
Date Collected: 05/17/23 16:50
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626246	05/24/23 15:24	WPD	EET PEN

Client Sample ID: MW-3
Lab Sample ID: 400-237989-5
Date Collected: 05/17/23 16:55
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626246	05/24/23 15:48	WPD	EET PEN

Client Sample ID: MW-4
Lab Sample ID: 400-237989-6
Date Collected: 05/17/23 17:00
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 09:19	WPD	EET PEN

Client Sample ID: MW-11
Lab Sample ID: 400-237989-7
Date Collected: 05/17/23 17:05
Matrix: Water
Date Received: 05/19/23 09:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 09:43	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Client Sample ID: MW-12
Date Collected: 05/17/23 17:10
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 10:07	WPD	EET PEN

Client Sample ID: MW-13
Date Collected: 05/17/23 16:35
Date Received: 05/19/23 09:09

Lab Sample ID: 400-237989-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 10:29	WPD	EET PEN

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

Lab Sample ID: MB 400-626246/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626246	05/24/23 10:34	WPD	EET PEN

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

Lab Sample ID: MB 400-627139/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 08:35	WPD	EET PEN

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

Lab Sample ID: LCS 400-626246/1003
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	626246	05/24/23 09:47	WPD	EET PEN

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

Lab Sample ID: LCS 400-627139/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627139	05/31/23 07:52	WPD	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

GC/MS VOA

Analysis Batch: 626246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-237989-2	DUP-01	Total/NA	Water	8260D	
400-237989-3	MW-1	Total/NA	Water	8260D	
400-237989-4	MW-2	Total/NA	Water	8260D	
400-237989-5	MW-3	Total/NA	Water	8260D	
MB 400-626246/5	Method Blank	Total/NA	Water	8260D	
LCS 400-626246/1003	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 627139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-237989-1	TRIP BLANK	Total/NA	Water	8260D	
400-237989-6	MW-4	Total/NA	Water	8260D	
400-237989-7	MW-11	Total/NA	Water	8260D	
400-237989-8	MW-12	Total/NA	Water	8260D	
400-237989-9	MW-13	Total/NA	Water	8260D	
MB 400-627139/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627139/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

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

Lab Sample ID: MB 400-626246/5
Matrix: Water
Analysis Batch: 626246

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/23 10:34	1
Toluene	<1.0		1.0		ug/L			05/24/23 10:34	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/23 10:34	1
Xylenes, Total	<10		10		ug/L			05/24/23 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*64 - 132*		*05/24/23 10:34*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*05/24/23 10:34*	*1*
4-Bromofluorobenzene	*80*		*72 - 130*		*05/24/23 10:34*	*1*

Lab Sample ID: LCS 400-626246/1003
Matrix: Water
Analysis Batch: 626246

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	43.4		ug/L		87	70 - 130
Toluene	50.0	42.5		ug/L		85	70 - 130
Ethylbenzene	50.0	40.6		ug/L		81	70 - 130
Xylenes, Total	100	83.1		ug/L		83	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*64 - 132*
Dibromofluoromethane	*106*		*75 - 126*
4-Bromofluorobenzene	*80*		*72 - 130*

Lab Sample ID: MB 400-627139/4
Matrix: Water
Analysis Batch: 627139

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/31/23 08:35	1
Toluene	<1.0		1.0		ug/L			05/31/23 08:35	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/23 08:35	1
Xylenes, Total	<10		10		ug/L			05/31/23 08:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/31/23 08:35*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*05/31/23 08:35*	*1*
4-Bromofluorobenzene	*98*		*72 - 130*		*05/31/23 08:35*	*1*

Lab Sample ID: LCS 400-627139/1002
Matrix: Water
Analysis Batch: 627139

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	43.9		ug/L		88	70 - 130
Toluene	50.0	42.4		ug/L		85	70 - 130
Ethylbenzene	50.0	41.8		ug/L		84	70 - 130

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

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

Lab Sample ID: LCS 400-627139/1002
Matrix: Water
Analysis Batch: 627139

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	84.6		ug/L		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*64 - 132*
Dibromofluoromethane	*102*		*75 - 126*
4-Bromofluorobenzene	*99*		*72 - 130*

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Sarah Gardner & Sean Clary	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120302-41362.1
Client Contact: Joe Wiley	Phone: 303 291 2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040028			
Email: joe.wiley@kindermorgan.com	WO #: Knight #1_ERG_ARF_04-26-2023			
Project Name: Knight #1.00	Project #: 40015823			
Site: Knight	SSOW#:			

Analysis Requested

400-237989 COC

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A	N		
Trip Blank	5/17/23	1633	—	Water		1		1	Trip Blank
DUP-01	5/17/23	1634	G	Water		2		2	Unpreserved
MW-1	5/17/23	1645	G	Water		2		2	Unpreserved
MW-2	5/17/23	1650	G	Water		2		2	Unpreserved
MW-3	5/17/23	1655	G	Water		2		2	Unpreserved
MW-4	5/17/23	1700	G	Water		2		2	
MW-11	5/17/23	1705	G	Water		2		2	
MW-12	5/17/23	1710	G	Water		2		2	
MW-13	5/17/23	1635	G	Water		2		2	
				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
[signature]	5/18/2023 1645	Eurofins			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 5.19.23 9:09	Company

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 IR8

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-237989-1
SDG Number: Knight

Login Number: 237989
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-237989-1
SDG: Knight

Laboratory: Eurofins Pensacola

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

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/21/2023 3:07:06 PM

JOB DESCRIPTION

Knight #1.00

JOB NUMBER

400-246474-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

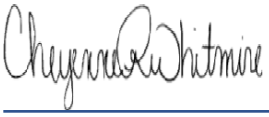
Eurofins Pensacola

Job Notes

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

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

Authorization



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

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Laboratory Job ID: 400-246474-1

Table of Contents

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-1 Lab Sample ID: 400-246474-1

No Detections.

Client Sample ID: MW-2 Lab Sample ID: 400-246474-2

No Detections.

Client Sample ID: MW-3 Lab Sample ID: 400-246474-3

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

Client Sample ID: MW-4 Lab Sample ID: 400-246474-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	1.9		1.0		ug/L	1		8260D	Total/NA
Toluene	7.8		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-5 Lab Sample ID: 400-246474-5

No Detections.

Client Sample ID: MW-6 Lab Sample ID: 400-246474-6

No Detections.

Client Sample ID: MW-7 Lab Sample ID: 400-246474-7

No Detections.

Client Sample ID: MW-8 Lab Sample ID: 400-246474-8

No Detections.

Client Sample ID: MW-9 Lab Sample ID: 400-246474-9

No Detections.

Client Sample ID: MW-10 Lab Sample ID: 400-246474-10

No Detections.

Client Sample ID: MW-11 Lab Sample ID: 400-246474-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-12 Lab Sample ID: 400-246474-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	3.1		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-13 Lab Sample ID: 400-246474-13

No Detections.

Client Sample ID: MW-14 Lab Sample ID: 400-246474-14

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-15 Lab Sample ID: 400-246474-15

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-246474-16

No Detections.

Client Sample ID: TB-01 Lab Sample ID: 400-246474-17

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246474-1	MW-1	Water	11/07/23 13:50	11/09/23 09:41
400-246474-2	MW-2	Water	11/07/23 14:15	11/09/23 09:41
400-246474-3	MW-3	Water	11/07/23 14:18	11/09/23 09:41
400-246474-4	MW-4	Water	11/07/23 14:25	11/09/23 09:41
400-246474-5	MW-5	Water	11/07/23 14:30	11/09/23 09:41
400-246474-6	MW-6	Water	11/07/23 14:37	11/09/23 09:41
400-246474-7	MW-7	Water	11/07/23 14:45	11/09/23 09:41
400-246474-8	MW-8	Water	11/07/23 14:50	11/09/23 09:41
400-246474-9	MW-9	Water	11/07/23 14:56	11/09/23 09:41
400-246474-10	MW-10	Water	11/07/23 15:00	11/09/23 09:41
400-246474-11	MW-11	Water	11/07/23 15:05	11/09/23 09:41
400-246474-12	MW-12	Water	11/07/23 15:12	11/09/23 09:41
400-246474-13	MW-13	Water	11/07/23 15:18	11/09/23 09:41
400-246474-14	MW-14	Water	11/07/23 15:20	11/09/23 09:41
400-246474-15	MW-15	Water	11/07/23 15:28	11/09/23 09:41
400-246474-16	DUP-01	Water	11/07/23 13:50	11/09/23 09:41
400-246474-17	TB-01	Water	11/07/23 13:30	11/09/23 09:41

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-1

Date Collected: 11/07/23 13:50
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/14/23 10:39	1
Ethylbenzene	<1.0		1.0		ug/L			11/14/23 10:39	1
Toluene	<1.0		1.0		ug/L			11/14/23 10:39	1
Xylenes, Total	<10		10		ug/L			11/14/23 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*72 - 130*		*11/14/23 10:39*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*11/14/23 10:39*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/14/23 10:39*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-2

Date Collected: 11/07/23 14:15
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/14/23 10:58	1
Ethylbenzene	<1.0		1.0		ug/L			11/14/23 10:58	1
Toluene	<1.0		1.0		ug/L			11/14/23 10:58	1
Xylenes, Total	<10		10		ug/L			11/14/23 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*11/14/23 10:58*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*11/14/23 10:58*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*11/14/23 10:58*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-3

Date Collected: 11/07/23 14:18
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.0**		1.0		ug/L			11/14/23 11:18	1
Ethylbenzene	<1.0		1.0		ug/L			11/14/23 11:18	1
Toluene	<1.0		1.0		ug/L			11/14/23 11:18	1
Xylenes, Total	<10		10		ug/L			11/14/23 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*11/14/23 11:18*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*11/14/23 11:18*	*1*
Toluene-d8 (Surr)	*108*		*64 - 132*		*11/14/23 11:18*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-4

Date Collected: 11/07/23 14:25
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 16:15	1
Ethylbenzene	**1.9**		1.0		ug/L			11/17/23 16:15	1
Toluene	**7.8**		1.0		ug/L			11/17/23 16:15	1
Xylenes, Total	<10		10		ug/L			11/17/23 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/17/23 16:15*	*1*
Dibromofluoromethane	*117*		*75 - 126*		*11/17/23 16:15*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/17/23 16:15*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-5

Date Collected: 11/07/23 14:30
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 16:34	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 16:34	1
Toluene	<1.0		1.0		ug/L			11/17/23 16:34	1
Xylenes, Total	<10		10		ug/L			11/17/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/17/23 16:34*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*11/17/23 16:34*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/17/23 16:34*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-6

Date Collected: 11/07/23 14:37
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 14:08	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 14:08	1
Toluene	<1.0		1.0		ug/L			11/18/23 14:08	1
Xylenes, Total	<10		10		ug/L			11/18/23 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/18/23 14:08*	*1*
Dibromofluoromethane	*95*		*75 - 126*		*11/18/23 14:08*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/18/23 14:08*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-7

Date Collected: 11/07/23 14:45
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 14:33	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 14:33	1
Toluene	<1.0		1.0		ug/L			11/18/23 14:33	1
Xylenes, Total	<10		10		ug/L			11/18/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*72 - 130*		*11/18/23 14:33*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/18/23 14:33*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/18/23 14:33*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-8

Date Collected: 11/07/23 14:50
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 14:58	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 14:58	1
Toluene	<1.0		1.0		ug/L			11/18/23 14:58	1
Xylenes, Total	<10		10		ug/L			11/18/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/18/23 14:58*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*11/18/23 14:58*	*1*
Toluene-d8 (Surr)	*108*		*64 - 132*		*11/18/23 14:58*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-9

Date Collected: 11/07/23 14:56
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 15:24	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 15:24	1
Toluene	<1.0		1.0		ug/L			11/18/23 15:24	1
Xylenes, Total	<10		10		ug/L			11/18/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/18/23 15:24*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*11/18/23 15:24*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*11/18/23 15:24*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-10

Date Collected: 11/07/23 15:00
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 15:49	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 15:49	1
Toluene	<1.0		1.0		ug/L			11/18/23 15:49	1
Xylenes, Total	<10		10		ug/L			11/18/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*11/18/23 15:49*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*11/18/23 15:49*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*11/18/23 15:49*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-11

Date Collected: 11/07/23 15:05
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.8**		1.0		ug/L			11/18/23 16:14	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 16:14	1
Toluene	<1.0		1.0		ug/L			11/18/23 16:14	1
Xylenes, Total	<10		10		ug/L			11/18/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/18/23 16:14*	*1*
Dibromofluoromethane	*95*		*75 - 126*		*11/18/23 16:14*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/18/23 16:14*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-12

Date Collected: 11/07/23 15:12
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**18**		1.0		ug/L			11/18/23 16:39	1
Ethylbenzene	**3.1**		1.0		ug/L			11/18/23 16:39	1
Toluene	<1.0		1.0		ug/L			11/18/23 16:39	1
Xylenes, Total	<10		10		ug/L			11/18/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*72 - 130*		*11/18/23 16:39*	*1*
Dibromofluoromethane	*93*		*75 - 126*		*11/18/23 16:39*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/18/23 16:39*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-13

Date Collected: 11/07/23 15:18
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 17:04	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 17:04	1
Toluene	<1.0		1.0		ug/L			11/18/23 17:04	1
Xylenes, Total	<10		10		ug/L			11/18/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/18/23 17:04*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/18/23 17:04*	*1*
Toluene-d8 (Surr)	*108*		*64 - 132*		*11/18/23 17:04*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-14

Date Collected: 11/07/23 15:20
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 17:29	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 17:29	1
Toluene	<1.0		1.0		ug/L			11/18/23 17:29	1
Xylenes, Total	<10		10		ug/L			11/18/23 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*11/18/23 17:29*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/18/23 17:29*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/18/23 17:29*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-15

Date Collected: 11/07/23 15:28
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 17:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 17:54	1
Toluene	<1.0		1.0		ug/L			11/18/23 17:54	1
Xylenes, Total	<10		10		ug/L			11/18/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*72 - 130*		*11/18/23 17:54*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*11/18/23 17:54*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*11/18/23 17:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: DUP-01

Date Collected: 11/07/23 13:50
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/14/23 11:37	1
Ethylbenzene	<1.0		1.0		ug/L			11/14/23 11:37	1
Toluene	<1.0		1.0		ug/L			11/14/23 11:37	1
Xylenes, Total	<10		10		ug/L			11/14/23 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*119*		*72 - 130*		*11/14/23 11:37*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/14/23 11:37*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*11/14/23 11:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: TB-01

Date Collected: 11/07/23 13:30
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 13:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 13:43	1
Toluene	<1.0		1.0		ug/L			11/18/23 13:43	1
Xylenes, Total	<10		10		ug/L			11/18/23 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/18/23 13:43*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*11/18/23 13:43*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/18/23 13:43*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-1
Date Collected: 11/07/23 13:50
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650057	11/14/23 10:39	WPD	EET PEN

Client Sample ID: MW-2
Date Collected: 11/07/23 14:15
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650057	11/14/23 10:58	WPD	EET PEN

Client Sample ID: MW-3
Date Collected: 11/07/23 14:18
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650057	11/14/23 11:18	WPD	EET PEN

Client Sample ID: MW-4
Date Collected: 11/07/23 14:25
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 16:15	WPD	EET PEN

Client Sample ID: MW-5
Date Collected: 11/07/23 14:30
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 16:34	WPD	EET PEN

Client Sample ID: MW-6
Date Collected: 11/07/23 14:37
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 14:08	WPD	EET PEN

Client Sample ID: MW-7
Date Collected: 11/07/23 14:45
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 14:33	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-8
Date Collected: 11/07/23 14:50
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 14:58	WPD	EET PEN

Client Sample ID: MW-9
Date Collected: 11/07/23 14:56
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 15:24	WPD	EET PEN

Client Sample ID: MW-10
Date Collected: 11/07/23 15:00
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 15:49	WPD	EET PEN

Client Sample ID: MW-11
Date Collected: 11/07/23 15:05
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 16:14	WPD	EET PEN

Client Sample ID: MW-12
Date Collected: 11/07/23 15:12
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 16:39	WPD	EET PEN

Client Sample ID: MW-13
Date Collected: 11/07/23 15:18
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 17:04	WPD	EET PEN

Client Sample ID: MW-14
Date Collected: 11/07/23 15:20
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 17:29	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

Client Sample ID: MW-15
Date Collected: 11/07/23 15:28
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 17:54	WPD	EET PEN

Client Sample ID: DUP-01
Date Collected: 11/07/23 13:50
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650057	11/14/23 11:37	WPD	EET PEN

Client Sample ID: TB-01
Date Collected: 11/07/23 13:30
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246474-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 13:43	WPD	EET PEN

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

Lab Sample ID: MB 400-650057/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650057	11/14/23 08:24	WPD	EET PEN

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

Lab Sample ID: MB 400-650747/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 08:11	WPD	EET PEN

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

Lab Sample ID: MB 400-650935/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 08:41	WPD	EET PEN

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

Lab Sample ID: LCS 400-650057/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650057	11/14/23 07:25	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

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

Lab Sample ID: LCS 400-650747/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 07:13	WPD	EET PEN

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

Lab Sample ID: LCS 400-650935/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650935	11/18/23 07:51	WPD	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

GC/MS VOA

Analysis Batch: 650057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246474-1	MW-1	Total/NA	Water	8260D	
400-246474-2	MW-2	Total/NA	Water	8260D	
400-246474-3	MW-3	Total/NA	Water	8260D	
400-246474-16	DUP-01	Total/NA	Water	8260D	
MB 400-650057/5	Method Blank	Total/NA	Water	8260D	
LCS 400-650057/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 650747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246474-4	MW-4	Total/NA	Water	8260D	
400-246474-5	MW-5	Total/NA	Water	8260D	
MB 400-650747/5	Method Blank	Total/NA	Water	8260D	
LCS 400-650747/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 650935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246474-6	MW-6	Total/NA	Water	8260D	
400-246474-7	MW-7	Total/NA	Water	8260D	
400-246474-8	MW-8	Total/NA	Water	8260D	
400-246474-9	MW-9	Total/NA	Water	8260D	
400-246474-10	MW-10	Total/NA	Water	8260D	
400-246474-11	MW-11	Total/NA	Water	8260D	
400-246474-12	MW-12	Total/NA	Water	8260D	
400-246474-13	MW-13	Total/NA	Water	8260D	
400-246474-14	MW-14	Total/NA	Water	8260D	
400-246474-15	MW-15	Total/NA	Water	8260D	
400-246474-17	TB-01	Total/NA	Water	8260D	
MB 400-650935/4	Method Blank	Total/NA	Water	8260D	
LCS 400-650935/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

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

Lab Sample ID: MB 400-650057/5
Matrix: Water
Analysis Batch: 650057

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/14/23 08:24	1
Ethylbenzene	<1.0		1.0		ug/L			11/14/23 08:24	1
Toluene	<1.0		1.0		ug/L			11/14/23 08:24	1
Xylenes, Total	<10		10		ug/L			11/14/23 08:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*72 - 130*		*11/14/23 08:24*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*11/14/23 08:24*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/14/23 08:24*	*1*

Lab Sample ID: LCS 400-650057/1002
Matrix: Water
Analysis Batch: 650057

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	47.9		ug/L		96	70 - 130
m-Xylene & p-Xylene	50.0	50.0		ug/L		100	70 - 130
o-Xylene	50.0	50.6		ug/L		101	70 - 130
Ethylbenzene	50.0	49.1		ug/L		98	70 - 130
Toluene	50.0	49.0		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*116*		*72 - 130*
Dibromofluoromethane	*94*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*114*		*67 - 134*

Lab Sample ID: MB 400-650747/5
Matrix: Water
Analysis Batch: 650747

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 08:11	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 08:11	1
Toluene	<1.0		1.0		ug/L			11/17/23 08:11	1
Xylenes, Total	<10		10		ug/L			11/17/23 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*11/17/23 08:11*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/17/23 08:11*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*11/17/23 08:11*	*1*

Lab Sample ID: LCS 400-650747/1002
Matrix: Water
Analysis Batch: 650747

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	51.0		ug/L		102	70 - 130

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Knight #1.00

Job ID: 400-246474-1

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

Lab Sample ID: LCS 400-650747/1002
Matrix: Water
Analysis Batch: 650747

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	45.9		ug/L		92	70 - 130		
o-Xylene			50.0	46.7		ug/L		93	70 - 130		
Ethylbenzene			50.0	45.3		ug/L		91	70 - 130		
Toluene			50.0	43.9		ug/L		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 130*
Dibromofluoromethane	*102*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*117*		*67 - 134*

Lab Sample ID: MB 400-650935/4
Matrix: Water
Analysis Batch: 650935

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/23 08:41	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/23 08:41	1
Toluene	<1.0		1.0		ug/L			11/18/23 08:41	1
Xylenes, Total	<10		10		ug/L			11/18/23 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*72 - 130*		*11/18/23 08:41*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/18/23 08:41*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/18/23 08:41*	*1*

Lab Sample ID: LCS 400-650935/1002
Matrix: Water
Analysis Batch: 650935

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	52.7		ug/L		105	70 - 130		
m-Xylene & p-Xylene			50.0	55.9		ug/L		112	70 - 130		
o-Xylene			50.0	54.0		ug/L		108	70 - 130		
Ethylbenzene			50.0	55.7		ug/L		111	70 - 130		
Toluene			50.0	55.1		ug/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*72 - 130*
Dibromofluoromethane	*95*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*109*		*67 - 134*

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

Chain of Custody Record

eurofins | Environment Testing

400-246474 COC

Client Information	Sampler: SRC + ERB	Lab PM: Whitmire, Cheyenne R	r Tracking No(s)	COC No: 400-124039-41362.1
Client Contact: Joe Wiley	Phone: 515-253-0830	E-Mail: Cheyenne Whitmire@et eurofinsus com	State of Origin	Page: Page 1 of 2 ERB
Company: El Paso Energy Corporation	PWSID			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone	PO #: WD1040028			
Email: joe.wiley@kindermorgan.com	WO #: Knight #1_ERG_ARF_10_24_2023			
Project Name: Knight #1.00	Project #: 40015823			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

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

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-1	11/7/2023	1350	G	Water	N	N	-	X		
MW-2	11/7/2023	1415	G	Water	N	N	-	X		
MW-3	11/7/2023	1418	G	Water	N	N	-	X		
MW-4	11/7/2023	1425	G	Water	N	N	X			
MW-5	11/7/2023	1430	G	Water	N	N	X			
MW-6	11/7/2023	1437	G	Water	N	N	X			
MW-7	11/7/2023	1445	G	Water	N	N	X			
MW-8	11/7/2023	1450	G	Water	N	N	X			
MW-9	11/7/2023	1456	G	Water	N	N	X			
MW-10	11/7/2023	1500	G	Water	N	N	X			
MW-11	11/7/2023	1505	G	Water	N	N	X			

ERB

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11/8/2023 1630	STN	[signature]	11/9/23 9:41	EUROFINS
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: SRC + ERB	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-124039-41362.2
Client Contact: Joe Wiley	Phone: 515-253-0830	E-Mail: Cheyenne Whitmire@et eurofinsus com	State of Origin	Page: Page 2 of 2 ERB
Company: El Paso Energy Corporation	PWSID			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone	PO #: WD1040028			
Email: joe.wiley@kindermorgan.com	WO #: Knight #1_ERG_ARF_10_24_2023			
Project Name: Knight #1.00	Project #: 40015823			
Site	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-12	11/7/2023	1512	G	Water	N	N	X			
MW-13	11/7/2023	1518	G	Water	N	N	X			
MW-14	11/7/2023	1520	G	Water	N	N	X			
MW-15	11/7/2023	1528	G	Water	N	N	X			
DUP-01	11/7/2023	—	G	Water	N	N	-	X		
TB-01	11/7/2023	1330	G	Water	N	N	X			
				Water						ERB
				Water						ERB
				Water						ERB
				Water						ERB
				Water						ERB

ERB

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

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

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

Special Instructions/QC Requirements

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

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Sean R Clay	11/8/2023 1630	STN	FEC	11/9/23 9:41	eurofins
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C IR5

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-246474-1

Login Number: 246474 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Earnest, Tamantha

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-246474-1
Project/Site: Knight #1.00

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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

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

CONDITIONS

Action 327791

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 327791
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Report for Knight #1: Content Satisfactory 1. Continue to conduct groundwater sampling events on a semi-annual basis. Sample in accordance with the work plan as conveyed in this report. 2. Sample McGee private water well if access is granted for collection. If not, please document reasons in next annual report. 3. Update the OCD on the status of the SVE system and whether or not start up will continue. 4. Submit the 2024 Annual Report to OCD by April 1, 2025.	6/26/2024