2022 ANNUAL GROUNDWATER REPORT

Lateral L-40 Line Drip Incident Number: nAUTOfAB000335 Meter Code: LD174 T28N, R4W, Sec13, Unit H

REVIEWED

By Nelson Velez at 12:44 pm, May 22, 2023

SITE DETAILS

Site Location: Latitude: 36.659672 N, Longitude: -107.194520 W

Land Type: Federal

Operator: Enterprise (Pipeline)

SITE BACKGROUND

Review of 2022 Annual Groundwater Report: **Content satisfactory**

- 1. Proceed with Planned Future Activities as stated in this report.
- 2. Submit next annual groundwater monitoring report no later than April 1, 2024.

Environmental remediation activities at Lateral L-40 Line Drip (Site) are managed pursuant to the procedures set forth in the document entitled, "Remediation Plan for Groundwater Encountered During Pit Closure Activities" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company (EPCPG) program methods. The Site is crossed by a pipeline operated by Enterprise.

The Site is located on Federal land. An initial site assessment was completed in January 1995, and an excavation to approximately 12 feet below ground surface (bgs) was completed in January of 1995, removing approximately 60 cubic yards (cy) of soil. A monitoring well was installed in 1995 (MW-1), two soil borings were advanced in 1999, and one additional soil boring (SB-1) was advanced in 2016. Additional monitoring wells were installed in 2016 (MW-2, MW-3, MW-4, MW-5) and 2018 (MW-6, MW-7, MW-8, MW-9, MW-10). Soil vapor extraction (SVE) test wells were installed in 2018 (SVE-1, SVE-2, SVE-3). Five soil borings (SB-2 through SB-6) were installed in July 2019 to better characterize hydrocarbon impacts in soil. Currently, groundwater sampling is conducted on a semi-annual basis. Light non-aqueous phase liquid (LNAPL) is present at the Site, and manual recovery has been performed periodically since 2018. SVE feasibility testing was conducted in October 2018. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec Consulting Services Inc. (Stantec) provided field work notifications via email to the NMOCD on May 12, 2022 and October 26, 2022, prior to initiating groundwater sampling activities at the Site. Copies of the 2022 NMOCD notifications are provided in Appendix A.

On May 18, 2022 and October 30, 2022, water levels were gauged at MW-1 through MW-10 and SVE-1 through SVE-3. Groundwater samples were collected from monitoring wells MW-1 through MW-4, MW-6, MW-9, and MW-10 during both sampling events in 2022. Groundwater samples were not collected from MW-5 in 2022 due to the presence of LNAPL during both sampling events. Groundwater samples were collected using HydraSleeveTM (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event, using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the monitoring well screen.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC (Eurofins) in Pensacola, Florida, for analysis of BTEX. One laboratory-supplied trip blank and one blind field

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

Excess sample water was placed in a waste container and taken to Envirotech, Inc. (Envirotech) located south of Bloomfield, New Mexico for disposal. Wastewater disposal documentation is included as Appendix B.

LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities in the second calendar quarter of 2020 and continued quarterly for 2022. Documentation of NMOCD notification of site LNAPL recovery activities in 2022 is provided in Appendix A.

The LNAPL recovery data is summarized on Table 1. LNAPL was observed and recovered from MW-5 quarterly in 2022, by hand-bailing in March, May, and October and by Mobile Dual-Phase Extraction (MDPE) in August 2022. During the LNAPL recovery event in March 2022, recovered LNAPL was transported for disposal at Basin Disposal, Inc. in Bloomfield, New Mexico (Appendix B). Recovered LNAPL in May, August, and October 2022 was transported for disposal at Envirotech (Appendix B).

An MDPE event was completed on August 31, 2022, by AcuVac Remediation, LLC (AcuVac). The NMOCD was notified on July 18, 2022 of the planned schedule for MDPE activities (Appendix A). The purpose of the MDPE event was to enhance LNAPL recovery from monitoring well MW-5.

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

On August 31, 2022 an 8-hour MDPE event was completed using MW-5 as an extraction well. Based on field data collected by AcuVac, approximately 6.5 gallons of LNAPL were recovered from MW-5. AcuVac's report summarizing the MDPE event at the Site is presented as Appendix C.

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

SUMMARY TABLES

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

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2022 groundwater sampling and gauging events.

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ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the south-southwest in 2022 (see Figures 4 and 6).
- LNAPL was observed in MW-5 in 2022 during both sampling events; therefore, no groundwater samples were collected at this location.
- Both groundwater samples collected from MW-1 in 2022 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [μg/L]) for benzene in groundwater. Benzene concentrations were either not detected or were detected below the standard in the remaining collected groundwater samples.
- Concentrations of toluene were either below the NMWQCC standard (750 μg/L) or were not detected at the site monitoring wells sampled in 2022.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 μg/L) or were not detected at the site monitoring wells sampled in 2022.
- Both groundwater samples collected from MW-1 in 2022 exceeded the NMWQCC standard (620 μg/L) for total xylenes in groundwater. Total xylenes were either below the standard or were not detected at the remaining site monitoring wells sampled in 2022.
- A field duplicate was collected from MW-2 in May and October 2022. For each sampling
 event, no significant differences were noted between the primary and duplicate sample
 results.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2022 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

Semi-annual groundwater monitoring is to continue in 2023. Groundwater samples will be collected from key monitoring wells not containing LNAPL on a semi-annual basis and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event. Sampling of all site monitoring wells is conducted on a biennial basis, with the next site-wide sampling event planned for no later than the second calendar quarter of 2023.

Pursuant to EPCGP's January 5, 2021, letter, recovery of LNAPL will continue on a quarterly basis from monitoring well MW-5. EPCGP is planning to conduct an additional MDPE event in 2023 to enhance LNAPL recovery at the Site. A work plan for the MDPE activities will be submitted to NMOCD under separate cover.

The activities completed in 2023 and their results will be summarized in the 2023 Annual Report, to be submitted by April 1, 2024.

TABLES

TABLE 1 – LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

TABLE 2 – GROUNDWATER ANALYTICAL RESULTS

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

		Lat. L-40	Line Drip			
Well ID - MW-5	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
11/1/2018	41.53	41.53	<0.01	<0.01	0.1	manual
5/24/2019	41.62	41.86	0.24	0.02	0.1	manual
11/14/2019	41.39	42.11	0.72	0.26	0.13	manual
5/14/2020	40.55	41.34	0.79	0.34	0.17	manual
8/19/2020	41.55	42.20	0.65	0.18	0.50	manual
11/15/2020	41.54	42.50	0.96	0.15	0.22	manual
3/18/2021	41.45	42.90	1.45	0.34	0.49	manual
5/23/2021	41.63	42.51	0.88	0.16	0.08	manual
8/22/2021	41.63	42.50	0.87	0.18	0.62	manual
11/13/2021	41.73	42.43	0.70	0.14	0.40	manual
3/23/2022	41.74	42.62	0.88	0.19	0.17	manual
5/18/2022	41.87	42.28	0.41	0.11	0.26	manual
8/31/2022	40.75	41.10	0.35	6.5	15.0	Mobile DPE*
10/30/2022	41.97	42.15	0.18	0.01	0.32	manual
			Total:	8.58	18.56	

Notes:

gal = gallons

"LNAPL" = Light non-aqueous phase liquid

LNAPL recovery data for 2003 and previous years documented in previously-submitted reports.

	Lat. L-40 Line Drip							
Location	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes			
NMWQCC Standards:		(μg/L)	(μ g/L) 750	(μg/L) 750	(μg/L) 620			
MW-1		121						
MW-1	09/26/95		218	7.4	75.1			
MW-1	11/11/96	12000	20400	612	6075			
MW-1	03/31/97 05/09/97	11100	24700	702	7440			
MW-1		12900	22900	761	7730			
	11/06/00	8.2	<0.5	15 NC	6.9			
MW-1	01/02/01	NS NC	NS	NS NC	NS NC			
MW-1	06/08/01	NS	NS	NS NO	NS NS			
MW-1	07/02/01	NS	NS	NS NO	NS NS			
MW-1	08/03/01	NS	NS	NS	NS NS			
MW-1	09/12/01	NS	NS	NS	NS			
MW-1	10/12/01	NS	NS	NS	NS			
MW-1	12/13/01	NS	NS	NS	NS			
MW-1	03/12/02	NS	NS	NS	NS			
MW-1	04/03/02	NS	NS	NS	NS			
MW-1	05/20/02	NS	NS	NS	NS			
MW-1	06/10/02	NS	NS	NS	NS			
MW-1	07/19/02	NS	NS	NS	NS			
MW-1	10/11/02	NS	NS	NS	NS			
MW-1	05/06/03	NS	NS	NS	NS			
MW-1	07/17/03	NS	NS	NS	NS			
MW-1	10/13/03	NS	NS	NS	NS			
MW-1	04/20/04	NS	NS	NS	NS			
MW-1	07/27/04	NS	NS	NS	NS			
MW-1	10/26/04	NS	NS	NS	NS			
MW-1	04/22/05	NS	NS	NS	NS			
MW-1	07/19/05	NS	NS	NS	NS			
MW-1	10/21/05	NS	NS	NS	NS			
MW-1	01/24/06	NS	NS	NS	NS			
MW-1	05/10/06	NS	NS	NS	NS			
MW-1	07/26/06	NS	NS	NS	NS			
MW-1	10/22/06	NS	NS	NS	NS NS			
MW-1	04/29/07	NS NS	NS	NS	NS NS			
MW-1	07/31/07	NS NS	NS	NS	NS			
MW-1	10/30/07	NS	NS	NS	NS NS			
MW-1	04/17/08	396	<50	484	2770			
MW-1	07/23/08	NS	NS	NS	NS			
MW-1	10/09/08	NS	NS	NS NS	NS			
MW-1	04/08/09	387	7.9 J	466	2680			
MW-1	06/03/10	272	<50	384	2240			
MW-1 MW-1	09/24/10 11/02/10	NS NS	NS NS	NS NS	NS NS			

	Lat. L-40 Line Drip							
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)			
	C Standards:	10	750	750	620			
MW-1	05/03/11	115	4.8	430	2160			
MW-1	09/28/11	NS	NS	NS	NS			
MW-1	11/02/11	NS	NS	NS	NS			
MW-1	05/09/12	302	10.2	404	1830			
MW-1	06/09/13	150	13	330	2800			
MW-1	09/11/13	160	330	15 J	2600			
MW-1	12/14/13	160	15	320	2500			
MW-1	04/06/14	150	30 J	400	2900			
MW-1	10/26/14	120	9.9 J	350	2000			
MW-1	06/01/15	83	12 J	250	1500			
MW-1	11/23/15	150	<100	360	2100			
MW-1	04/19/16	100	<25	300	1900			
MW-1	10/16/16	180	<50	410	2500			
MW-1	06/11/17	120	<50	350	2000			
MW-1	11/11/17	120	<10	370	2000			
MW-1	05/18/18	120	<10	280	1500			
MW-1	11/01/18	190	48	150	1200			
MW-1	05/24/19	200	18	310	1700			
MW-1	11/14/19	110	9.1	160	800			
MW-1	05/14/20	110	6.9	130	560			
DUP-01(MW-1)	05/14/20	110	6.4	120	520			
MW-1	11/15/20	280	31	320	1400			
MW-1	05/23/21	170	16	260	1200			
MW-1	11/13/21	160	9.9	140	530			
MW-1	05/18/22	180	14	230	990			
MW-1	10/30/22	240	22	260	1100			
	10,00,==							
MW-2	10/16/16	180	430	17	150			
MW-2	06/11/17	2300	21	11	180			
MW-2	11/11/17	1900	230	13	280			
MW-2	05/18/18	1100	33	<10	<100			
MW-2	11/01/18	130	25	<1.0	13			
MW-2	05/24/19	<1.0	<1.0	<1.0	<10			
MW-2	11/14/19	33	5.6	<1.0	<10			
DUP-1(MW-2)*	11/14/19	37	7.1	<1.0	<10			
MW-2	05/14/20	<1.0	<1.0	<1.0	<10			
MW-2	11/15/20	7.4	<1.0	<1.0	<10			
DUP-1(MW-2)*	11/15/20	7.1	<1.0	<1.0	<10			
MW-2	05/23/21	<1.0	<1.0	<1.0	<10			
DUP-1(MW-2)*	05/23/21	<1.0	<1.0	<1.0	<10			
MW-2	11/13/21	<1.0	<1.0	<1.0	<10			

	Lat. L-40 Line Drip								
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)				
	C Standards:	10	750	750	620				
DUP-1(MW-2)*	11/13/21	<1.0	<1.0	<1.0	<10				
MW-2	05/18/22	<1.0	<1.0	<1.0	<10				
DUP-1(MW-2)*	05/18/22	<1.0	<1.0	<1.0	<10				
MW-2	10/30/22	<1.0	<1.0	<1.0	<10				
DUP-1(MW-2)*	10/30/22	<1.0	<1.0	<1.0	<10				
,		-		_	<u>-</u>				
MW-3	10/16/16	3.4	<5.0	<1.0	<5.0				
MW-3	06/11/17	130	<5.0	<1.0	<5.0				
MW-3	11/11/17	170	<1.0	<1.0	<10				
MW-3	05/18/18	130	23	<1.0	<10				
DP-01(MW-3)*	05/18/18	140	30	<1.0	<10				
MW-3	11/01/18	<1.0	<1.0	<1.0	<10				
MW-3	05/24/19	<1.0	<1.0	<1.0	<10				
MW-3	11/14/19	9.3	<1.0	<1.0	<10				
MW-3	05/14/20	4.2	<1.0	<1.0	<10				
MW-3	11/15/20	2.0	<1.0	<1.0	<10				
MW-3	05/23/21	33	<1.0	<1.0	<10				
MW-3	11/13/21	<1.0	<1.0	<1.0	<10				
MW-3	05/18/22	<1.0	<1.0	<1.0	<10				
MW-3	10/30/22	<1.0	<1.0	<1.0	<10				
MW-4	10/16/16	8.7	15	<1.0	6.1				
MW-4	06/11/17	47	6.8	<1.0	<5.0				
MW-4	11/11/17	26	<1.0	<1.0	<10				
MW-4	05/18/18	11	<1.0	<1.0	<10				
MW-4	11/01/18	<1.0	<1.0	<1.0	<10				
MW-4	05/24/19	<1.0	<1.0	<1.0	<10				
MW-4	11/14/19	8.8	<1.0	<1.0	<10				
MW-4	05/14/20	26	<1.0	<1.0	<10				
MW-4	11/15/20	<1.0	<1.0	<1.0	<10				
MW-4	05/23/21	<1.0	<1.0	<1.0	<10				
MW-4	11/13/21	<1.0	<1.0	<1.0	<10				
MW-4	05/18/22	<1.0	<1.0	<1.0	<10				
MW-4	10/30/22	<1.0	<1.0	<1.0	<10				
MW-5	10/16/16	750	3000	190	1600				
MW-5	06/11/17	2000	230	75	710				
MW-5	11/11/17	1100	550	85	820				
MW-5	05/18/18	550	53	42	<50				
MW-5	11/01/18	1200	370	190	810				
DP-01(MW-5)*	11/01/18	1200	270	120	550				

	Lat. L-40 Line Drip							
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)			
	C Standards:	10	750	750	620			
MW-5	05/24/19	NS	NS	NS	NS			
MW-5	11/14/19	NS	NS	NS	NS			
MW-5	05/14/20	NS NS	NS	NS	NS			
MW-5	08/19/20	NS	NS	NS	NS			
MW-5	11/15/20	NS	NS	NS	NS			
MW-5	03/18/21	NS	NS	NS	NS			
MW-5	05/23/21	NS	NS	NS	NS			
MW-5	08/22/21	NS	NS	NS	NS			
MW-5	11/13/21	NS	NS	NS	NS			
MW-5	05/18/22	NS	NS	NS	NS			
MW-5	10/30/22	NS	NS	NS	NS			
-	3. 3 3,		1	1.10				
MW-6	11/01/18	NS	NS	NS	NS			
MW-6	05/24/19	<1.0	<1.0	<1.0	<10			
MW-6	11/14/19	<1.0	<1.0	<1.0	<10			
MW-6	05/14/20	<1.0	<1.0	<1.0	<10			
MW-6	11/15/20	<1.0	<1.0	<1.0	<10			
MW-6	05/23/21	<1.0	<1.0	<1.0	<10			
MW-6	11/13/21	<1.0	<1.0	<1.0	<10			
MW-6	05/18/22	<1.0	<1.0	<1.0	<10			
MW-6	10/30/22	<1.0	<1.0	<1.0	<10			
MW-7	11/01/18	<1.0	<1.0	<1.0	<10			
MW-7	05/24/19	<1.0	<1.0	<1.0	<10			
MW-7	11/14/19	NS	NS	NS	NS			
MW-7	05/14/20	NS	NS	NS	NS			
MW-7	11/15/20	NS	NS	NS	NS			
MW-7	05/23/21	<1.0	<1.0	<1.0	<10			
MW-7	11/13/21	NS	NS	NS	NS			
MW-7	05/18/22	NS	NS	NS	NS			
MW-7	10/30/22	NS	NS	NS	NS			
MW-8	11/01/18	<1.0	<1.0	<1.0	<10			
MW-8	05/24/19	<1.0	<1.0	<1.0	<10			
MW-8	11/14/19	NS	NS	NS	NS			
MW-8	05/14/20	NS	NS	NS	NS			
MW-8	11/15/20	NS	NS	NS	NS			
MW-8	05/23/21	<1.0	<1.0	<1.0	<10			
MW-8	11/13/21	NS	NS	NS	NS			
MW-8	05/18/22	NS	NS	NS	NS			
MW-8	10/30/22	NS	NS	NS	NS			

Lat. L-40 Line Drip								
		Benzene	Toluene	Ethylbenzene	Total Xylenes			
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)			
NMWQCC	Standards:	10	750	750	620			
MW-9	11/01/18	5.6	5.5	<1.0	<10			
MW-9	05/24/19	<1.0	<1.0	<1.0	<10			
DUP-1(MW-9)*	05/24/19	<1.0	<1.0	<1.0	<10			
MW-9	11/14/19	<1.0	<1.0	<1.0	<10			
MW-9	05/14/20	<1.0	<1.0	<1.0	<10			
MW-9	11/15/20	<1.0	<1.0	<1.0	<10			
MW-9	05/23/21	<1.0	<1.0	<1.0	<10			
MW-9	11/13/21	<1.0	<1.0	<1.0	<10			
MW-9	05/18/22	<1.0	<1.0	<1.0	<10			
MW-9	10/30/22	<1.0	<1.0	<1.0	<10			
MW-10	11/01/18	<1.0	<1.0	<1.0	<10			
MW-10	05/24/19	<1.0	<1.0	<1.0	<10			
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	11/15/20	<1.0	<1.0	<1.0	<10			
MW-10	05/23/21	<1.0	<1.0	<1.0	<10			
MW-10	11/13/21	<1.0	<1.0	<1.0	<10			
MW-10	05/18/22	<1.0	<1.0	<1.0	<10			
MW-10	10/30/22	<1.0	<1.0	<1.0	<10			

Notes:

The monitoring dates where no groundwater samples were collected and analyzed have been omitted.

Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.

[&]quot;µg/L" = micrograms per liter

[&]quot;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.

[&]quot;<" = 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 results

Lat. L-40 Line Drip							
			Depth to	Depth to	LNAPL	GW Elevation	
Location	Date	TOC	LNAPL (ft.)	Water (ft.)	Thickness (ft.)	(ft.)	
MW-1	09/26/95	7259.57	NR ` ´	36.68	. ,	7222.89	
MW-1	11/11/96	7259.57	36.16	36.62	0.46	7223.30	
MW-1	03/31/97	7259.57	36.18	36.68	0.50	7223.27	
MW-1	05/09/97	7259.57	36.45	36.57	0.12	7223.09	
MW-1	11/06/00	7259.57	NR	35.06		7224.51	
MW-1	01/02/01	7259.57	37.95	39.08	1.13	7221.34	
MW-1	06/08/01	7259.57	37.89	39.00	1.11	7221.40	
MW-1	07/02/01	7259.57	37.93	39.14	1.21	7221.34	
MW-1	08/03/01	7259.57	37.83	39.10	1.27	7221.42	
MW-1	09/12/01	7259.57	38.02	38.96	0.94	7221.32	
MW-1	10/12/01	7259.57	38.19	38.43	0.24	7221.32	
MW-1	12/13/01	7259.57	38.40	38.75	0.35	7221.08	
MW-1	03/12/02	7259.57	38.42	38.76	0.34	7221.07	
MW-1	04/03/02	7259.57	38.39	38.66	0.27	7221.11	
MW-1	05/20/02	7259.57	38.46	38.56	0.10	7221.09	
MW-1	06/10/02	7259.57	38.51	38.56	0.05	7221.05	
MW-1	07/19/02	7259.57	NR	38.64	0.00	7220.93	
MW-1	10/11/02	7259.57	38.84	38.87	0.03	7220.72	
MW-1	05/06/03	7259.57	37.94	37.97	0.03	7221.62	
MW-1	07/17/03	7259.57	ND	38.95	0.00	7220.62	
MW-1	10/13/03	7259.57	ND	39.06		7220.51	
MW-1	04/20/04	7259.57	ND	39.18		7220.39	
MW-1	07/27/04	7259.57	ND	39.22		7220.35	
MW-1	10/26/04	7259.57	ND	39.35		7220.22	
MW-1	04/22/05	7259.57	ND	39.52		7220.05	
MW-1	07/19/05	7259.57	ND	39.34		7220.23	
MW-1	10/21/05	7259.57	ND	39.57		7220.00	
MW-1	01/24/06	7259.57	ND	38.67		7220.90	
MW-1	05/10/06	7259.57	ND	38.72		7220.85	
MW-1	07/26/06	7259.57	ND	38.72		7220.85	
MW-1	10/22/06	7259.57	ND	38.91		7220.66	
MW-1	04/29/07	7259.57	ND	38.92		7220.65	
MW-1	07/31/07	7259.57	ND	38.85		7220.72	
MW-1	10/30/07	7259.57	ND	38.79		7220.78	
MW-1	04/17/08	7259.57	ND	38.98		7220.59	
MW-1	07/23/08	7259.57	ND	38.99		7220.58	
MW-1	10/09/08	7259.57	ND	38.95		7220.62	
MW-1	04/08/09	7259.57	ND	39.04		7220.53	
MW-1	06/03/10	7259.57	ND	39.40		7220.17	
MW-1	09/24/10	7259.57	ND	39.45		7220.12	
MW-1	11/02/10	7259.57	ND	39.47		7220.10	
MW-1	05/03/11	7259.57	ND	39.55		7220.02	
MW-1	09/28/11	7259.57	ND	39.63		7219.94	
MW-1	11/02/11	7259.57	ND	39.73		7219.84	
MW-1	05/09/12	7259.57	ND	39.73		7219.84	
MW-1	06/09/13	7259.57	ND	37.97		7221.60	
MW-1	09/11/13	7259.57	ND	38.86		7220.71	
MW-1	12/14/13	7259.57	ND	40.09		7219.48	

Lat. L-40 Line Drip							
			Depth to	Depth to	LNAPL	GW Elevation	
Location	Date	TOC	LNAPL (ft.)	Water (ft.)	Thickness (ft.)	(ft.)	
MW-1	04/06/14	7259.57	ND ` ´	40.09	. ,	7219.48	
MW-1	10/26/14	7259.57	ND	40.22		7219.35	
MW-1	06/01/15	7259.57	ND	46.45		7213.12	
MW-1	11/23/15	7259.57	ND	42.13		7217.44	
MW-1	04/19/16	7259.57	ND	40.59		7218.98	
MW-1	10/16/16	7259.57	ND	40.71		7218.86	
MW-1	06/11/17	7259.57	ND	40.73		7218.84	
MW-1	11/11/17	7259.57	ND	40.85		7218.72	
MW-1	05/18/18	7259.57	ND	40.90		7218.67	
MW-1	11/01/18	7259.57	ND	40.99		7218.58	
MW-1	05/24/19	7259.57	ND	41.18		7218.39	
MW-1	11/14/19	7259.57	ND	41.23		7218.34	
MW-1	05/14/20	7259.57	ND	41.22		7218.35	
MW-1	11/15/20	7259.57	ND	41.31		7218.26	
MW-1	05/23/21	7259.57	ND	41.37		7218.20	
MW-1	11/13/21	7259.57	ND	41.40		7218.17	
MW-1	05/18/22	7259.57	ND	41.47		7218.10	
MW-1	10/30/22	7259.57	ND	41.53		7218.04	
IVIVV-I	10/30/22	1239.31	ND	41.55		7210.04	
MW-2	10/16/16	7259.65	ND	40.65		7219.00	
MW-2	06/11/17	7259.65	ND	40.71		7218.94	
MW-2	11/11/17	7259.65	ND	40.81		7218.84	
MW-2	05/18/18	7259.65	ND	40.84		7218.81	
MW-2	11/01/18	7259.65	ND	41.00		7218.65	
MW-2	05/24/19	7259.65	ND	41.08		7218.57	
MW-2	11/14/19	7259.65	ND	41.13		7218.52	
MW-2	05/14/20	7259.65	NA	41.16		7218.49	
MW-2	11/15/20	7259.65	NA	41.27		7218.38	
MW-2	05/23/21	7259.65	NA	41.33		7218.32	
MW-2	11/13/21	7259.65	NA	41.39		7218.26	
MW-2	05/18/22	7259.65	NA	41.45		7218.20	
MW-2	10/30/22	7259.65	NA	41.51		7218.14	
	10/00/22	7200.00		11.01		7210111	
MW-3	10/16/16	7259.10	ND	40.21		7218.89	
MW-3	06/11/17	7259.10	ND	40.29		7218.81	
MW-3	11/11/17	7259.10	ND	40.36		7218.74	
MW-3	05/18/18	7259.10	ND	40.52		7218.58	
MW-3	11/01/18	7259.10	ND	40.53		7218.57	
MW-3	05/24/19	7259.10	ND	40.69		7218.41	
MW-3	11/14/19	7259.10	ND	40.71		7218.39	
MW-3	05/14/20	7259.10	ND	40.74		7218.36	
MW-3	11/15/20	7259.10	ND	40.89		7218.21	
MW-3	05/23/21	7259.10	ND	40.95		7218.15	
MW-3	11/13/21	7259.10	ND	40.96		7218.14	
MW-3	05/18/22	7259.10	ND	41.03		7218.07	
MW-3	10/30/22	7259.10	ND	41.04		7218.06	
-		223					
MW-4	10/16/16	7261.59	ND	42.80		7218.79	
MW-4	06/11/17	7261.59	ND	42.69		7218.90	
MW-4	11/11/17	7261.59	ND	42.77		7218.82	

	Lat. L-40 Line Drip							
			Depth to	Depth to	LNAPL	GW Elevation		
Location	Date	TOC	LNAPL (ft.)	Water (ft.)	Thickness (ft.)	(ft.)		
MW-4	05/18/18	7261.59	ND	42.81		7218.78		
MW-4	11/01/18	7261.59	ND	42.94		7218.65		
MW-4	05/24/19	7261.59	ND	43.03		7218.56		
MW-4	11/14/19	7261.59	ND	43.07		7218.52		
MW-4	05/14/20	7261.59	ND	43.13		7218.46		
MW-4	11/15/20	7261.59	ND	43.24		7218.35		
MW-4	05/23/21	7261.59	ND	43.32		7218.27		
MW-4	11/13/21	7261.59	ND	43.35		7218.24		
MW-4	05/18/22	7261.59	ND	43.43		7218.16		
MW-4	10/30/22	7261.59	ND	43.49		7218.10		
MW-5	10/16/16	7260.08	ND	41.23		7218.85		
MW-5	06/11/17	7260.08	ND	41.33		7218.75		
MW-5	11/11/17	7260.08	ND	41.40		7218.68		
MW-5	05/18/18	7260.08	ND	41.41		7218.67		
MW-5	11/01/18	7260.08	ND	41.53		7218.55		
MW-5	05/24/19	7260.08	41.62	41.86	0.24	7218.40		
MW-5	11/14/19	7260.08	41.39	42.11	0.72	7218.51		
MW-5	05/14/20	7260.08	40.55	41.34	0.79	7219.33		
MW-5	08/19/20	7260.08	41.55	42.20	0.65	7218.36		
MW-5	11/15/20	7260.08	41.54	42.50	0.96	7218.30		
MW-5	03/18/21	7260.08	41.45	42.90	1.45	7218.26		
MW-5	05/23/21	7260.08	41.63	42.51	0.88	7218.23		
MW-5	08/22/21	7260.08	41.63	42.50	0.87	7218.23		
MW-5	11/13/21	7260.08	41.73	42.43	0.70	7218.17		
MW-5	03/23/22	7260.08	41.74	42.62	0.88	7218.12		
MW-5	05/18/22	7260.08	41.87	42.28	0.41	7218.10		
MW-5	08/31/22	7260.08	40.75	41.10	0.35	7219.24		
MW-5	10/30/22	7260.08	41.97	42.15	0.18	7218.06		
MW-6	11/01/18	7261.87	ND	Dry		Dry		
MW-6	05/24/19	7261.87	ND	43.90		7217.97		
MW-6	11/14/19	7261.87	ND	43.06		7218.81		
MW-6	05/14/20	7261.87	ND	42.85		7219.02		
MW-6	11/15/20	7261.87	ND	43.84		7218.03		
MW-6	05/23/21	7261.87	ND	42.95		7218.92		
MW-6	11/13/21	7261.87	ND	43.15		7218.72		
MW-6	05/18/22	7261.87	ND	43.04		7218.83		
MW-6	10/30/22	7261.87	ND	43.28		7218.59		
MW-7	11/01/18	7259.41	ND	40.62		7218.79		
MW-7	05/24/19	7259.41	ND	40.75		7218.66		
MW-7	11/14/19	7259.41	ND	40.74		7218.67		
MW-7	05/14/20	7259.41	ND	40.81		7218.60		
MW-7	11/15/20	7259.41	ND	40.90		7218.51		
MW-7	05/23/21	7259.41	ND	41.02		7218.39		
MW-7	11/13/21	7259.41	ND	41.03		7218.38		

	Lat. L-40 Line Drip							
			Depth to	Depth to	LNAPL	GW Elevation		
Location	Date	TOC	LNAPL (ft.)	Water (ft.)	Thickness (ft.)	(ft.)		
MW-7	05/18/22	7259.41	ND	41.09	, ,	7218.32		
MW-7	10/30/22	7259.41	ND	41.18		7218.23		
MW-8	11/01/18	7258.82	ND	40.25		7218.57		
MW-8	05/24/19	7258.82	ND	40.41		7218.41		
MW-8	11/14/19	7258.82	ND	40.41		7218.41		
MW-8	05/14/20	7258.82	ND	40.46		7218.36		
MW-8	11/15/20	7258.82	ND	40.60		7218.22		
MW-8	05/23/21	7258.82	ND	40.63		7218.19		
MW-8	11/13/21	7258.82	ND	40.66		7218.16		
MW-8	05/18/22	7258.82	ND	40.75		7218.07		
MW-8	10/30/22	7258.82	ND	40.77		7218.05		
MW-9	11/01/18	7258.82	ND	40.35		7218.47		
MW-9	05/24/19	7258.82	ND	40.51		7218.31		
MW-9	11/14/19	7258.82	ND	40.50		7218.32		
MW-9	05/14/20	7258.82	ND	40.55		7218.27		
MW-9	11/15/20	7258.82	ND	40.72		7218.10		
MW-9	05/23/21	7258.82	ND	40.73		7218.09		
MW-9	11/13/21	7258.82	ND	40.76		7218.06		
MW-9	05/18/22	7258.82	ND	40.84		7217.98		
MW-9	10/30/22	7258.82	ND	40.84		7217.98		
MW-10	11/01/18	7260.89	ND	42.29		7218.60		
MW-10	05/24/19	7260.89	ND	42.49		7218.40		
MW-10	11/14/19	7260.89	ND	42.48		7218.41		
MW-10	05/14/20	7260.89	ND	42.50		7218.39		
MW-10	11/15/20	7260.89	ND	42.64		7218.25		
MW-10	05/23/21	7260.89	ND	42.69		7218.20		
MW-10	11/13/21	7260.89	ND	42.73		7218.16		
MW-10	05/18/22	7260.89	ND	42.79		7218.10		
MW-10	10/30/22	7260.89	ND	42.83		7218.06		
SVE-1	11/14/19	7259.61	ND	32.02		7227.59		
SVE-1	05/14/20	7259.61	ND	32.01		7227.60		
SVE-1	11/15/20	7259.61	ND	32.01		7227.60		
SVE-1	05/23/21	7259.61	ND	32.00		7227.61		
SVE-1	11/13/21	7259.61	ND	31.98		7227.63		
SVE-1	05/18/22	7259.61	ND	31.95		7227.66		
SVE-1	10/30/22	7259.61	ND	31.95		7227.66		
		1200.01	7.1-					
SVE-2	11/14/19	7259.82	ND	24.64		7235.18		
SVE-2	05/14/20	7259.82	ND	24.61		7235.21		
SVE-2	11/15/20	7259.82	ND	24.60		7235.22		
SVE-2	05/23/21	7259.82	ND	24.59		7235.23		
SVE-2	11/13/21	7259.82	ND	Dry				
SVE-2	05/18/22	7259.82	ND	24.55		7235.27		
SVE-2	10/30/22	7259.82	ND	24.57		7235.25		
	. 5, 55, 22	. 200.02	.,,_	,		. 200.20		
SVE-3	11/14/19	7259.89	ND	25.21		7234.68		
SVE-3	05/14/20	7259.89	ND	25.15		7234.74		
SVE-3	11/15/20	7259.89	ND	25.14		7234.75		

	Lat. L-40 Line Drip							
			Depth to	Depth to	LNAPL	GW Elevation		
Location	Date	TOC	LNAPL (ft.)	Water (ft.)	Thickness (ft.)	(ft.)		
SVE-3	05/23/21	7259.89	ND	25.11		7234.78		
SVE-3	11/13/21	7259.89	ND	25.09		7234.80		
SVE-3	05/18/22	7259.89	ND	25.03		7234.86		
SVE-3	10/30/22	7259.89	ND	25.02		7234.87		

Notes:

Groundwater elevation = TOC elevation (ft) - (Depth to Water [ft] - [LNAPL 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)

[&]quot;ft" = feet

[&]quot;TOC" = Top of casing

[&]quot;LNAPL" = Light non-aqueous phase liquid

[&]quot;ND" = LNAPL not detected

[&]quot;NR" = LNAPL not recorded

FIGURES

FIGURE 1: SITE LOCATION

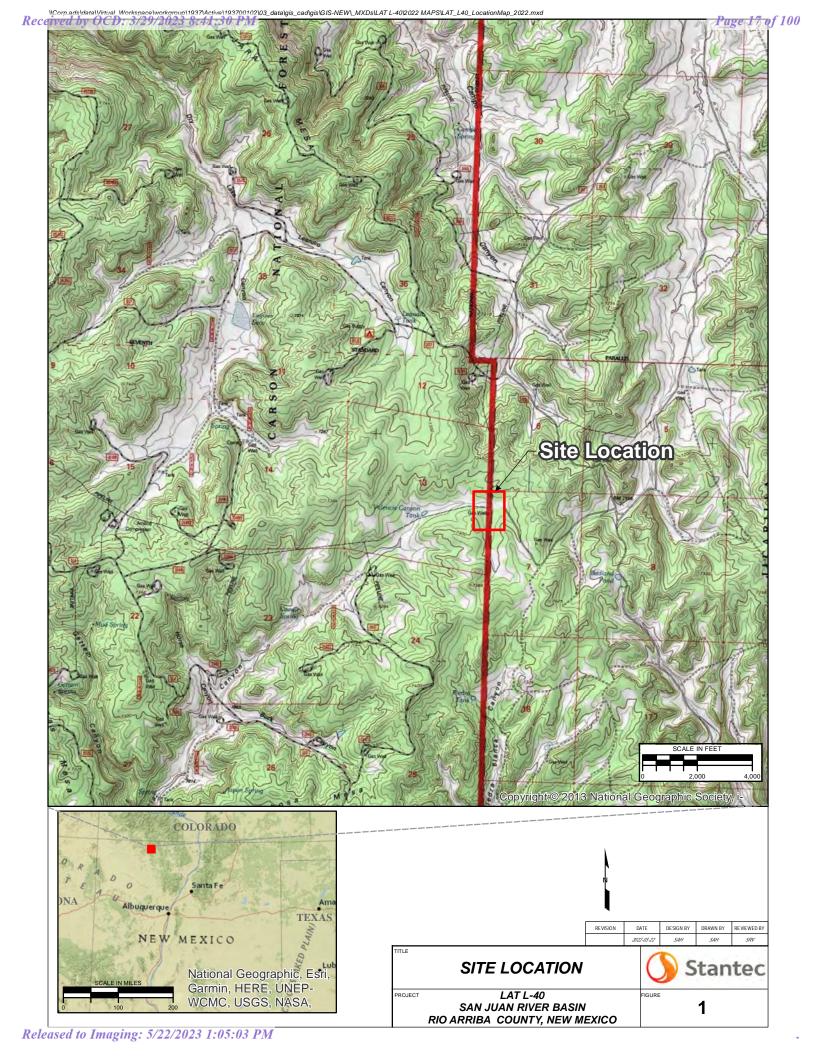
FIGURE 2: SITE PLAN

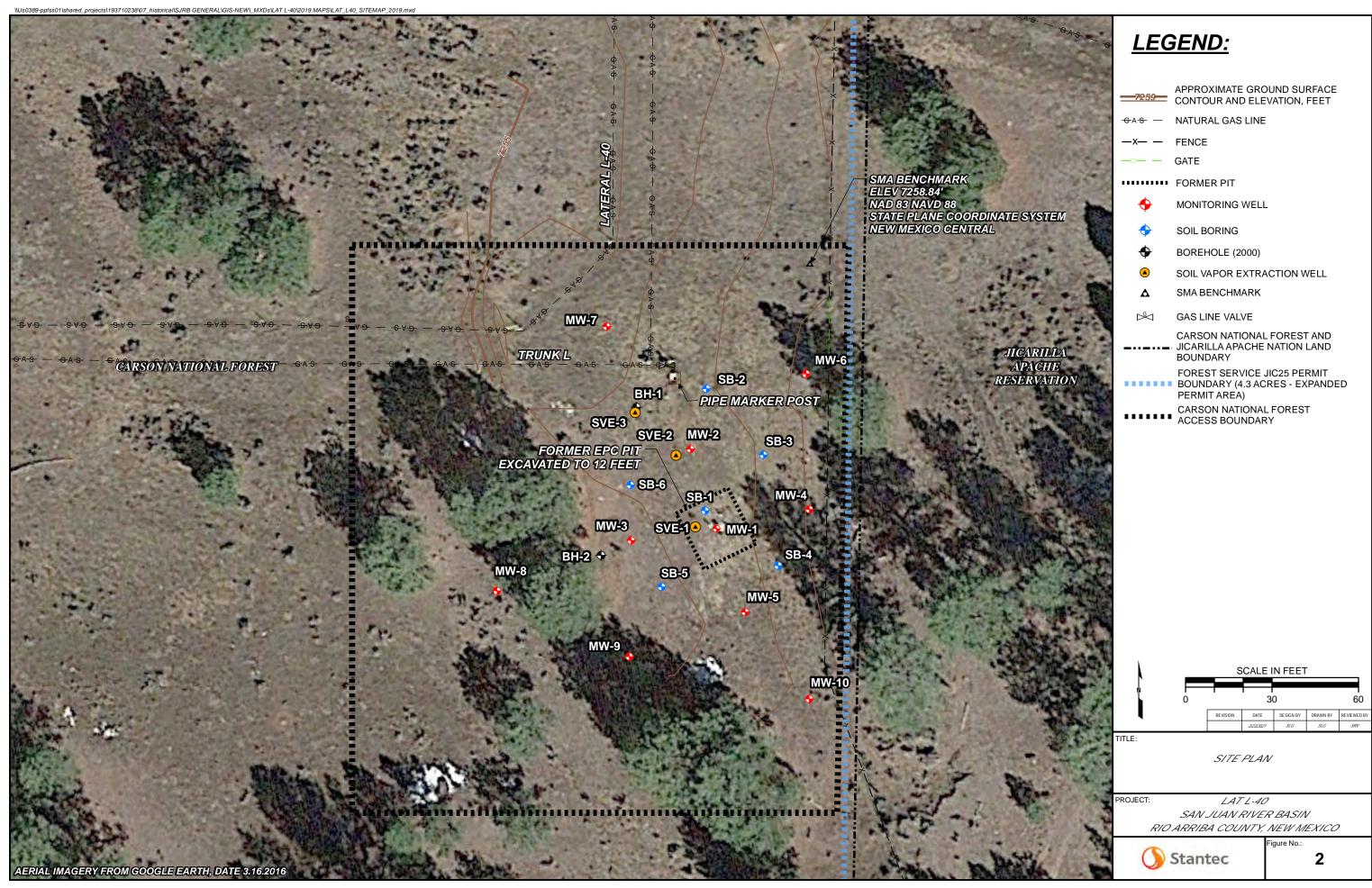
FIGURE 3: GROUNDWATER ANALYTICAL RESULTS - MAY 18, 2022

FIGURE 4: GROUNDWATER ELEVATION MAP - MAY 18, 2022

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS – OCTOBER 30, 2022

FIGURE 6: GROUNDWATER ELEVATION MAP - OCTOBER 30, 2022

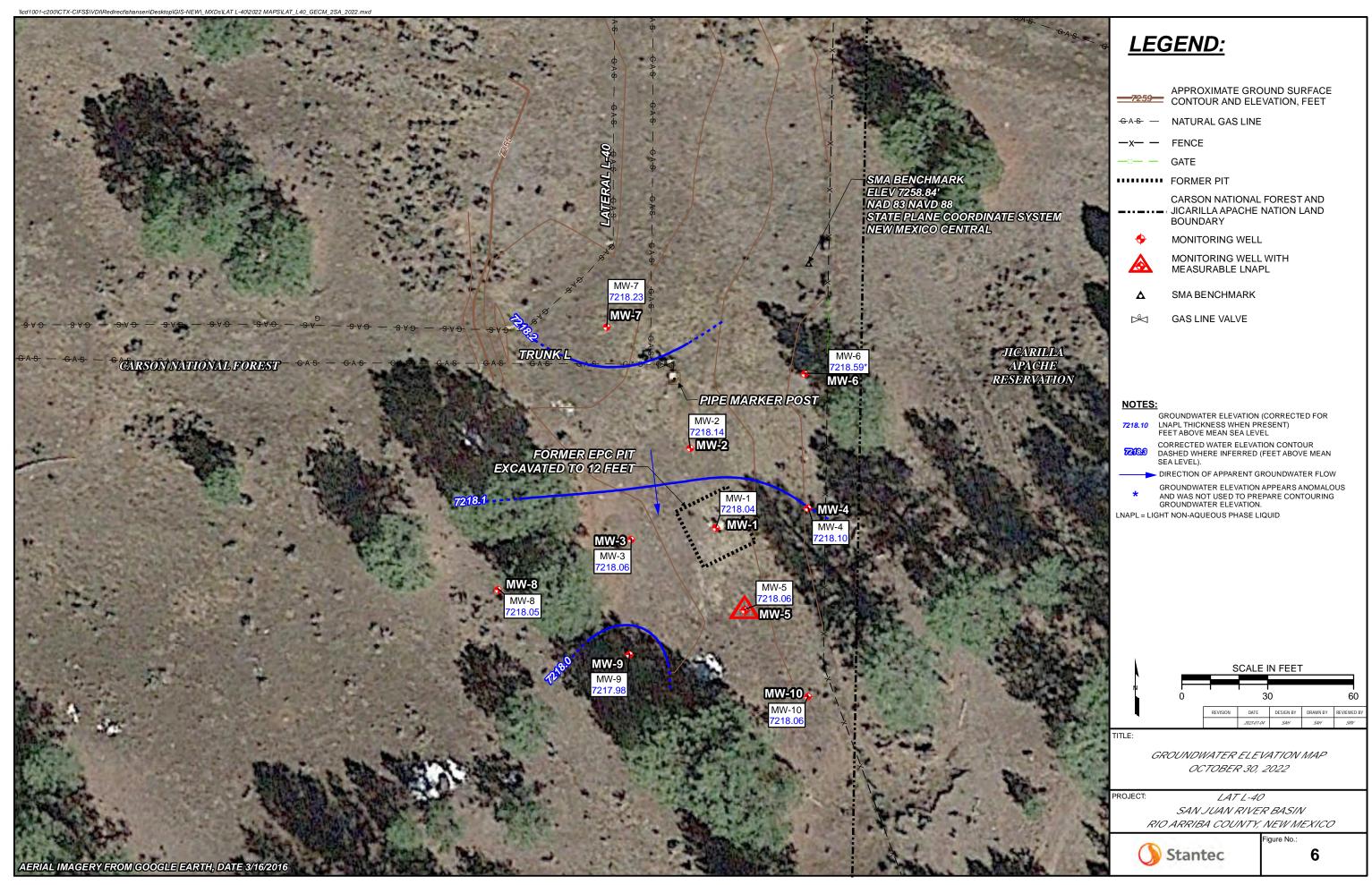












APPENDICES

APPENDIX A - NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C - ACUVAC MDPE REPORT

APPENDIX D - GROUNDWATER SAMPLING ANALYTICAL REPORTS

APPENDIX A

Stantec

From: <u>Varsa, Steve</u>
To: <u>Smith, Cory, EMNRD</u>

Cc: <u>Griswold, Jim, EMNRD; Wiley, Joe</u>

Subject: El Paso CGP Company - Notice of upcoming product recovery activities

Date: Tuesday, March 15, 2022 5:10:25 PM

Hi Cory -

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

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	3/21/2022
Fields A#7A	nAUTOfAB000176	3/22/2022
Fogelson 4-1	nAUTOfAB000192	3/22/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	3/21/2022
James F. Bell #1E	nAUTOfAB000291	3/22/2022
Johnston Fed #4	nAUTOfAB000305	3/23/2022
Johnston Fed #6A	nAUTOfAB000309	3/23/2022
K27 LDO72	nAUTOfAB000316	3/21/2022
Knight #1	nAUTOfAB000324	3/22/2022
Lateral L 40 Line Drip	nAUTOfAB000335	3/23/2022
State Gas Com N #1	nAUTOfAB000668	3/22/2022

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

Thank you, Steve

Stephen Varsa, P.G.

Senior Hydrogeologist Stantec Environmental Services 11313 Aurora Avenue Des Moines, Iowa 50322 Direct: (515) 251-1020

Cell: (515) 710-7523 Office: (515) 253-0830 <u>steve.varsa@stantec.com</u>

From: <u>Varsa, Steve</u>

To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe

Subject: FW: El Paso CGP Company - Notice of upcoming groundwater sampling activities

Date: Thursday, May 12, 2022 8:33:41 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	5/21/2022
Fields A#7A	nAUTOfAB000176	5/22/2022
Fogelson 4-1	nAUTOfAB000192	5/22/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/19/2022
GCU Com A #142E	nAUTOfAB000219	5/19/2022
James F. Bell #1E	nAUTOfAB000291	5/18/2022
Johnston Fed #4	nAUTOfAB000305	5/20/2022
Johnston Fed #6A	nAUTOfAB000309	5/20/2022
K27 LDO72	nAUTOfAB000316	5/21/2022
Knight #1	nAUTOfAB000324	5/19/2022
Lateral L 40 Line Drip	nAUTOfAB000335	5/18/2022
Miles Fed #1A	nAUTOfAB000391	5/21/2022
Sandoval GC A #1A	nAUTOfAB000635	5/20/2022
Standard Oil Com #1	nAUTOfAB000666	5/21/2022
State Gas Com N #1	nAUTOfAB000668	5/22/2022

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

Thank you, Steve

Stephen Varsa, P.G.

Senior Hydrogeologist Stantec Environmental Services 11153 Aurora Avenue Des Moines, Iowa 50322 Direct: (515) 251-1020 Cell: (515) 710-7523

Office: (515) 253-0830 steve.varsa@stantec.com

From: <u>Varsa, Steve</u>

To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe

Subject: Lateral L-40 site (nAUTOfAB000335) - notice of upcoming activities

Date: Monday, July 18, 2022 3:38:47 PM

Hi Nelson – on behalf of El Paso CGP Company, Stantec is planning to complete free product recovery activities using mobile dual-phase extraction methods at the subject site on August 5, 2022. A work plan with additional details regarding these activities has been submitted in the e-permitting portal.

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

Thank you, Steve

Stephen Varsa, P.G.

Senior Hydrogeologist Stantec Environmental Services 11311 Aurora Avenue Des Moines, Iowa 50322 Direct: (515) 251-1020

Cell: (515) 710-7523 Office: (515) 253-0830 steve.varsa@stantec.com

From: <u>Varsa, Steve</u>

To: Nelson.Velez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe

Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities

Date: Wednesday, October 26, 2022 3:13:50 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	11/6/2022
Fields A#7A	nAUTOfAB000176	10/31/2022
Fogelson 4-1	nAUTOfAB000192	10/30/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/3/2022
GCU Com A #142E	nAUTOfAB000219	11/2/2022
James F. Bell #1E	nAUTOfAB000291	11/4/2022
Johnston Fed #4	nAUTOfAB000305	11/5/2022
Johnston Fed #6A	nAUTOfAB000309	11/5/2022
K27 LDO72	nAUTOfAB000316	11/6/2022
Knight #1	nAUTOfAB000324	11/4/2022
Lateral L 40 Line Drip	nAUTOfAB000335	10/30/2022
Sandoval GC A #1A	nAUTOfAB000635	11/5/2022
Standard Oil Com #1	nAUTOfAB000666	11/6/2022
State Gas Com N #1	nAUTOfAB000668	11/1/2022

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Saturday, October 29, 2022

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 <u>steve.varsa@stantec.com</u>

APPENDIX B

Stanted

DIS	POS	200 Montaria, Bloomfie 505-632-8936 or 505- OPEN 24 Hours per De	334-3013	INVO		ment, Form (2138	
ENERATO	0.	paso CGP		BILL	TKT#. TO: 7/ ER: 5/		GP	
ULING C	BY: JOE	n tech		CODI	(Print Full	Name)		
ATE:		CO AZ DUT TREATMEN		METHODS:		ATION MIN	JECTION TRE	
NO. 1	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
2		Johnston Fed #64 Lat L90	1	10			/ @ MAR	23 4:
3		Lat L90						
4								
5								
		he Resource Conservation and Recovery Act (RCRA) and the	ne US Environme	ntal Protectio			gulatory determin	
pove des	cribed waste is	: RCRA Exempt: Off field wastes generated from oil and gas	exploration and	production o	perations an	u are not m	ixed with non -ex	empt wast



Bill of Lading

MANIFEST # 73058

GENERATOR ZL POSO

POINT OF ORIGIN Rio Visto Comp Stortion

TRANSPORTER Envirotech

DATE 05.24.27 JOB # Sec Below

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

THORL	(000) 002 0010 ·	3730	0.3. HIGHWAT 6	4 - 1 VI MAIII AC	ATON, NE	V WILKICO	707401	DAILO	2076		et verou
LOAD		COMPLETE DESCRI	PTION OF SHIP	MENT			TRANSPORTING COMPANY				
NO.	DESTINATION		MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	1	iguid			3.	•		938	1445	MM
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} 			70-11-1								
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						140	73- 00 59	1 Drum	SAN JU	uan River	Plant Inve 15 sites)
					·			1 Drum	Blanco	North F	lave
						1401	3-0060	1 Drum	NM G	w pits (15 sites)
RESULT	S		LANDFARM	1	1	1 -		1 Drum NOTE	5		
315	CHLORIDE TEST		EMPLOYEE (jelly	KOh	ins	the "	-		CANIN	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ /	After Hours/Wee	kend Receiva	☐ Scrape O	ut 🗆 Wash C	Out	(G		
	CHLORIDE TEST		By signing as the	driver/transpo	rter, I certif	y the mater	ial hauled fi	rom the above	location has n	ot been added	to or tampered with. I
0A55	PAINT FILTER TEST	1	into the load. Land								s been added or mixed

into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Generator Onsite Contact Signatures required prior to distribution of the legal document. DISTRIBUTION: White - Company Records / Billing

Phone

Yellow - Customer Pink - LF Copy



BANKIILE CT		wment No.	111	40		Page 1 of		
MANIFEST			111	40				
Generator's Name EIPASO CGP	PASO CGP 1001 Louisian A S							
Origin of Special Waste (Project or Spill CAMADA MESA # 2, Miles GCU # 124E, State GAS (Transporter #1 Company Name Envirotech Transporter #2 Company Name	Location): Feb 1A Knight Field: Com 4 1 Johnston Fad # 4	s A #7	A,	Fogelsu	~ 4-1			
Transporter #1 Company Name	Address 5796 US Huy 64 Farming tu., NM 8701	Telephone No. 505-632-0615						
ransporter #2 Company Name	Address	Telepho	ne No.					
Destination Facility Name/Site Address Enviro tech UF # 2 43 POAD 7175	Facility ID (Permit) Number	Telepho		032 - 0	1615			
Bloomfield NM 87413		Ormatei	/-\		8.5			
Type and Proper Na	me of Special Waste	Contai No.	Type	Total Quantity	Unit Wt/Vol			
Petroleum Contaminateo lia	zuio	1	B	100	941			
			+					
Addi	itional Descriptions for Special Waste L	isted Abo	ove:					
nonel Handling Instructions:			_					
SENERATOR'S CERTIFICATION: I hereby cert he special waste, and that such waste has been Special Waste Requirements) in addition to any rinted/Typed Name: Greg Crabbree As Agent fransporter 1 Acknowledgement of Receip		d in accorda		Date:	ements of 2	0.9.8 NMAC		
SENERATOR'S CERTIFICATION: I hereby cert he special waste, and that such waste has been Special Waste Requirements) in addition to any rinted/Typed Name: Greg Crabbree As Agent fransporter 1 Acknowledgement of Receip	managed, packaged, containerized and labeled other applicable federal, state or local regulation	d in accorda		h the require	ements of 2	0.9.8 NMAC		
rinted/Typed Name: Gransporter 1 Acknowledgement of Receiprinted/Typed Name: Gransporter 2 Acknowledgement of Receiprinted/Typed Name:	s managed, packaged, containerized and labeled other applicable federal, state or local regulation of Special Waste Signature: Signature: Out of Special Waste	d in accorda		Date:	3 22	0.9.8 NMAC		
Printed/Typed Name: Cransporter 1 Acknowledgement of Receiptransporter 2 Acknowledgement of Rece	s managed, packaged, containerized and labeled other applicable federal, state or local regulation signature: Out of Special Waste Signature: Signature:	d in accorda		Date:	3 22	0.9.8 NMAC		
Printed/Typed Name: Transporter 1 Acknowledgement of Receip Printed/Typed Name:	s managed, packaged, containerized and labeled other applicable federal, state or local regulation of Special Waste Signature: Signature: Out of Special Waste	d in accorda		Date:	3 22	0.9.8 NMAC		
Printed/Typed Name: Cransporter 1 Acknowledgement of Receip Printed/Typed Name: Cransporter 2 Acknowledgement of Receip Printed/Typed Name:	s managed, packaged, containerized and labeled other applicable federal, state or local regulation of Special Waste Signature: Signature: Out of Special Waste	d in accorda	ance wit	Date:		0.9.8 NMAC		



Bill of Lading

MANIFEST # 76385	
GENERATOR EUDISO	
POINT OF ORIGIN <u>See Mindes</u>	
TRANSPORTER EN VIVOTECH	

							TRANSPO	RTER E.A	VIYUVE	ech
PHONE	: (505) 632-0615 • 5	796 U.S. HIGHWAY 64 •	FARMING	STON, NEV	N MEXICO	87401				14073-0060
LOAD		COMPLETE DESCRIPTION OF SHIPMENT						TRANSPO	RTING COMPA	NY
NO.	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
	BF	Con't liquid				1	01154	937	0845	ANGU MSD
						/1				
						,	-			
							i			MME ()
RESULTS	5	LANDFARM				Pr	NOTES	see F.	Hach	100 au +
-291	CHLORIDE TEST	I EMPLOYEE	gar					266 /	Hach Pit:	(11)(Y)
	CHLORIDE TEST	☐ Soil w/ Debris ☐ After						-138	Pit 1) Hes
	CHLORIDE TEST									I to or tampered with. I s been added or mixed
Pass	PAINT FILTER TEST	into the load. Landfa	rm employe	ee signature	is certifica	tion of the a	bove material b	eing received	and placed ac	cordingly.
Generato	r Onsite Contact							Phon	e	
Signatur	es required prior to di	stribution of the legal docu	ment. o	ISTRIBUTION:	White - Com	pany Records /	Billing Yellow - Cu	ustomer Pink - L	F Copy	BAN JUAN PRINTING 2021 407-3

Generator Onsite Contact _	Phone	



rvirotech BOL# 76385 CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11-7-2	Z	7	ГІМЕ	8:45 A	n	Attach test strip here
CUSTOMER	Kinder	Morga	1			d 0
SITE	Pit	Sites				B
DRIVER	A.M.	1550				9
SAMPLE	Soil	Straight	/	With Dirt		8. 7
CHLORIDE TEST	-291	mg/Kg				8:
ACCEPTED	YES	_/		NO _		5
PAINT FILTER TEST	Time started	8:47		Time completed	1	-3-
PASS	YES			NO _		2
SAMPLER/ANALYST	(R				1

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



SPECIAL WASTE MANIFEST	Manifest Docu	ment No.	11	54	P	age 1 of	
Generator's Name	1001 Louisiana Biva, 1	1001 LOUISIANA BUD, HOWTONITX					
Origin of Special Waste (Project or Sp STRB PIT + PlanT SITES	Il Location):						
Transporter #1 Company Name Enul Forecta	Address 5796 US HWY 64, FARMINGTON, NA	A STATE OF THE PARTY OF THE PAR	632	-0615			
Transporter #2 Company Name	Address	Telepho	ne No.	1			
Destination Facility Name/Site Address Environtecu Landfarm 2	Facility ID (Permit) Number	Telepho		12-0615	5		
Type and Proper Na	nme of Special Waste	Contair No.	ner(s)	Total Quantity	Unit Wt/Vol		
WATER AND DRIP		140.	Гуре	4	70GAL	THE STATE OF	
				= 1/1	190		
				F 77 32	1 1000		
ne special waste, and that such waste has been	tify that the contents of this shipment are fully and n managed, packaged, containerized and labeled of other applicable federal, state or local regulation	in accorda	y descr	ibed above h the requir	by type and pi ements of 20.9	roper nam 9.8 NMAC	
Printed/Typed Name: Sean RC (191	y Signature A Class			Date	11/7/20	22	
Transporter 1 Acknowledgement of Recei Printed/Typed Name: 日れでい MVS50	Signature: Hillen inc	Ssr		Date	11/7/-	2072	
Transporter 2 Acknowledgement of Receiptinted/Typed Name:	Signature:			Date			
Discrepancy Indication Space:							
Facility Owner or Operator: I hereby acknowle	dge receipt of the special waste as indicated	pon this	manife	st, except a	as noted abov	e in the	
Printed/Typed Name:	Signature			Date	11-07.2	5	

APPENDIX C

Stanted



September 15, 2022

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

Dear Steve:

Re: Lateral L-40 Site, Rio Arriba County, NM (Event #1, Site Event #2)

At your request, AcuVac Remediation, LLC (AcuVac) performed one 8.0-hour Mobile Dual Phase Extraction (MDPE) Event at the above referenced site (Site) on well MW-5 on August 31, 2022. The following is the Report and a copy of the Operating Data collected during Event #1. Additionally, the attached Table #1A contains the Summary Well Data for well MW-5. Table #1B contains the Summary Recovery Data for well MW-5.

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

OBJECTIVES

The objectives of the MDPE events were to:

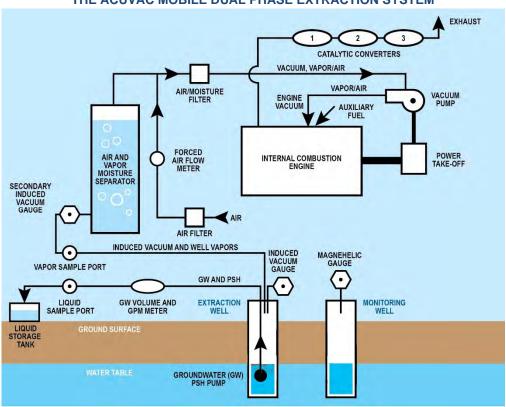
- Maximize the removal of liquid and vapor phase petroleum hydrocarbons from the groundwater and soils in the subsurface formations within the influence of the extraction well.
- Expose the capillary fringe area to an induced vacuum.
- Increase the liquid and vapor phase petroleum hydrocarbon specific yields with high induced vacuums.
- Create an induced vacuum in well MW-5 and monitor vacuum influence in nearby monitoring points.
- Select and monitor the groundwater depression and pump rates to accomplish the above objectives.

METHODS AND EQUIPMENT

AcuVac owns and maintains an inventory of equipment to perform MDPE events. No third-party equipment was utilized. The events at the Site were conducted using the AcuVac I-6 System (System) with a Roots RAI-33 blower used as a vacuum pump and a Roots RAI-22 positive displacement blower. The following table lists equipment and instrumentation employed during Event #1, and the data element captured by each.

Equipment and Instrumentation Employed by AcuVac						
Measurement Equipment	Data Element					
Extraction Well Induced Vacuum and Flow						
Dwyer Magnehelic Gauges	Extraction Well Vacuum					
Dwyer Averaging Pitot Tubes / Magnehelic Gauges	Extraction Well Vapor Flow					
Observation Wells						
Dwyer Digital Manometer	Vacuum / Pressure Influence					
Extraction Well Vapor Monitoring						
V-1 Vacuum Box	Extraction Well Non-Diluted Vapor Sample Collection					
HORIBA® Analyzer	Extraction Well Vapor TPH Concentration					
RKI 1200 O ₂ , H ₂ S Monitor	Extraction Well Vapor Oxygen Content					
LNAPL Thickness (if present)						
Solinst Interface Probes Model 122	Depth to LNAPL and Depth to Groundwater					
Liquid Recovery						
Totalizer Flow Meter	Liquid Flow and Total Volume					
QED AP 2+ Pneumatic Pump	In-Well Pumping					
Air Compressor	Pump Speed and Other Diagnostics					
Groundwater Depression / Upwelling						
In-Situ Level Troll 700 Data Logger	Liquid Column in Extraction and Observation Wells					
In-Situ Vented Cable with Chamber	Equalize Well Vacuum/Pressure					
In-Situ Rugged Reader Data Logger Interface	Capture Readings from Data Logger Trolls					
Atmospheric Conditions						
Testo Model 511	Relative and Absolute Barometric Pressure					

THE ACUVAC MOBILE DUAL PHASE EXTRACTION SYSTEM



Lateral L-40 Site Event #1

Released for Imaging: 5/22/2023 1:05:03 PM Page | 2 The vacuum extraction portion of the System consists of a vacuum pump driven by an internal combustion (IC) engine. The vacuum pump was connected to the extraction well, and the vacuum created on the extraction well caused light hydrocarbons in the soil and on the groundwater to volatilize and flow through a moisture knockout tank to the vacuum pump and the IC Engine where they were burned as part of the normal combustion process. Propane was used as auxiliary fuel to help power the engine if the well vapors did not provide the required energy.

The IC engine provided the power necessary to achieve and maintain high induced vacuums and/or high well vapor flows required to maximize the vacuum radius of influence for pilot tests and short-term event remediation.

Emissions from the engine were passed through three catalytic converters to maximize destruction of removed hydrocarbon vapors. The engine's fuel-to-air ratio was adjusted to maintain efficient combustion. Because the engine is the power source for the equipment, the System stops when the engine stops. This prevents an uncontrolled release of hydrocarbons. Since the System is held entirely under vacuum, any leaks in the seals or connections are leaked into the System and not emitted into the atmosphere. The engine is automatically shut down by vacuum loss, low oil pressure, over speed, or overheating.

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

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

SUMMARY OF WELL MW-5 EVENT #1

The Petroleum Hydrocarbon Recovery Summary Table below summarizes the groundwater and LNAPL recovery data for well MW-5 for Event #1.

Petroleum Hydrocarbon Recovery Summary					
Site Event Number		Event #1			
Well Number		MW-5			
Event Date		08/31/2022			
Event Hours		8.0			
Recovery					
Groundwater Recovery	gals	16			
Petroleum Hydrocarbon Recovery					
Liquid	gals	1.6			
Vapor	gals	4.9			
Total	gals	6.5			
Gallons/Hour	gals	0.8			

 Total vapor hydrocarbons burned as IC engine fuel in the Petroleum Hydrocarbon Recovery Summary Table above are based on the HORIBA analytical data from the influent vapor samples for Event #1.

Influent Vapor Data Well MW-5							
Site Event Number		Event #1					
Well Number		MW-5					
Event Date		08/31/2022					
Event Hours		8.0					
Data Element							
TPH- Maximum	ppmv	20,390					
TPH- Average	ppmv	19,159					
TPH- Minimum	ppmv	14,490					
TPH- Initial	ppmv	14,490					
TPH- Ending	ppmv	20,390					
CO ₂ - Average	%	5.66					
O ₂ - Average	%	13.0					
H₂S- Average	ppm	NM					

 The Event #1 extraction well induced vacuum and well vapor flow is shown in the following table.

Well Vacuum and Well Vapor Flow Well MW-5						
Site Event Number		Event #1				
Well Number		MW-5				
Event Date		08/31/2022				
Event Hours	8.0					
Data Element						
Well Vacuum- Maximum	InH ₂ O	150.00				
Well Vacuum- Average	InH₂O	145.29				
Well Vacuum- Minimum	InH ₂ O	110.00				
Well Vapor Flow- Maximum	scfm	15.18				
Well Vapor Flow- Average	scfm	14.80				
Well Vapor Flow- Minimum	scfm	12.70				

- For Event #1 the groundwater pump inlet was set at approximately 0.5 ft above the well bottom.
- Depth to groundwater, depth to LNAPL, and LNAPL thickness at the start and end of Event #1 are presented in the table below.

LNAPL Thickness Well MW-5						
Site Event Number		Event #1				
Well Number		MW-5				
Event Date		08/31/2022				
Event Hours	_	8.0				
Data Element						
Start of Event						
Depth to LNAPL	ft BTOC	40.75				
Depth to Groundwater	ft BTOC	40.10				
LNAPL Thickness	ft	0.65				
End of Event						
Depth to LNAPL	ft BTOC	40.08				
Depth to Groundwater	ft BTOC	40.11				
LNAPL Thickness	ft	0.03				

Outer wells MW-1 (31.25 ft) and SVE-1 (34.5 ft) were monitored for vacuum influence from the extraction well MW-5.

Outer Well Vacuum Influence Well MW-5						
Site Event Number		Event #1				
Event Date		08/31/2022				
Event Hours	8.0					
Extraction Well						
Average Extraction Well Vacuum InH ₂ O 145.29						
Average Vacuum Influence- Outer Wells (distance from extraction well)						
MW- 1 (31.25 ft)	InH ₂ O	5.06				
SVE-1 (34.5 ft)	InH₂O	1.67				

All wells were gauged prior to and after the conclusion of Event #1 to determine the hydraulic influence of the extraction well groundwater pumping on the outer wells. The gauging data is shown in the following Gauging Data table.

Gauging Data Event #1 Outer Observation Wells								
Well Number MW-1 SVE-1								
Event Date		08/31/2022	08/31/2022					
Distance from Extraction Well	ft	31.25	34.5					
Event Start								
Depth to LNAPL	Ft BTOC	ND	ND					
Depth to Groundwater	Ft BTOC	41.55	32.01					
LNAPL Thickness	ft	ND	ND					
Hydro Equivalent	Ft BTOC	41.55	32.01					
Event Conclusion								
Depth to LNAPL	Ft BTOC	ND	ND					
Depth to Groundwater	Ft BTOC	41.53	31.99					
LNAPL Thickness	ft	ND	ND					
Hydro Equivalent	Ft BTOC	41.53	31.99					

ND- Not Detected

METHOD OF CALIBRATION AND CALCULATIONS

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

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

Lateral L-40 Site Event #1

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INFORMATION INCLUDED WITH REPORT

- Table #1A Summary Data Well MW-5
- Table #1B Summary Recovery Data Well MW-5
- Recorded Data

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

Sincerely,

ACUVAC REMEDIATION, LLC

Paustan

Paul D. Faucher

President

Summary Well Data Table #1A

Event Number		1
Well Number		MW-5
Event Date		08/31/2022
Current Event Hours		8.0
Total Event Hours		8.0
Total Depth	ft BGS	49.7
Well Screen	ft BGS	29.7 – 49.7
Well Size	in	2.0
Well Data		
Depth To Groundwater - Static - Start Event	ft BTOC	40.75
Depth To LNAPL - Static - Start Event	ft BTOC	41.10
LNAPL Thickness	ft	0.65
Hydro-Equivalent- Beginning	ft BTOC	40.58
Depth To Groundwater - End Event	ft BTOC	40.08
Depth To LNAPL - End Event	ft BTOC	40.11
LNAPL Thickness	ft	0.03
Hydro-Equivalent- Ending	ft BTOC	40.09
Extraction Data		
Maximum Extraction Well Vacuum	"H₂O	150.00
Average Extraction Well Vacuum	"H ₂ O	145.29
Minimum Extraction Well Vacuum	"H ₂ O	110.00
Maximum Extraction Well Vapor Flow	scfm	15.18
Average Extraction Well Vapor Flow	scfm	14.80
Minimum Extraction Well Vapor Flow	scfm	12.70
Maximum GW / LNAPL Pump Rate	gpm	0.07
Average GW / LNAPL Pump Rate	gpm	0.03
Influent Data		
Maximum TPH	ppmv	20,390
Average TPH	ppmv	19,159
Minimum TPH	ppmv	14,490
Initial TPH	ppmv	14,490
Final TPH	ppmv	20,390
Average CO ₂	%	5.66
Average O ₂	%	13.0
Average H ₂ S	ppm	NM

Summary Recovery Data Table #1B

Event Number		1
Well Number	MW-5	
Recovery Data- Current Event		
Total Liquid Volume Recovered	gals	16
Total Liquid LNAPL Recovered	gals	1.60
Total Liquid LNAPL Recovered / Total Liquid	%	10.00
Total Liquid LNAPL Recovered / Total LNAPL	%	24.60
Total Vapor LNAPL Recovered	gals	4.90
Total Vapor LNAPL Recovered / Total LNAPL	%	75.40
Total Vapor and Liquid LNAPL Recovered	gals	6.50
Average LNAPL Recovery	gals/hr	0.81
Total LNAPL Recovered	lbs	46
Total Volume of Well Vapors	cu. ft	7,104
Recovery Data- Cumulative		
Total Liquid Volume Recovered	gals	16
Total Liquid LNAPL Recovered	gals	1.6
Total Vapor LNAPL Recovered	gals	4.90
Total Vapor and Liquid LNAPL Recovered	gals	6.50
Average LNAPL Recovery	gals/hr	0.81
Total LNAPL Recovered	lbs	46
Total Volume of Well Vapors	cu. ft	7,104



OPERATING DATA - EVENT # 2A PAGE# **ACUVAC MDP SYSTEM** Location: Lat L-40, Rio Arriba County, NM Project Manager: Hendley / George 8-31-22 Date Well# MU1-5 Time 0830 0900 0930 1000 1030 1100 Hr Meter **Engine Speed** 1800 RPM 1800 1800 1800 1800 1800 ENGINE / BLOWER Oil Pressure 55 55 psi 55 55 55 55 Water Temp 130 °F 130 130 135 135 135 Alternator 14 19 Volts 14 14 14 14 Intake Vacuum 18 18 "Hg 18 18 18 18 Gas Flow Fuel/Propane 80 80 cfh 60 60 60 00 ATMOSPHERE VACUUM / AIR Extraction Well Vac. "H2O 110 110 150 150 150 150 **Extraction Well Flow** 12.70 scfm 12.70 15,16 15.18 15.13 15.13 Well Flow Raw Number 18 18 24 24 24 24 Influent Vapor Temp. 62 °F 62 62 64 66 66 Air Temp °F 50 52 56 58 60 61 Barometric Pressure 30,56 30,56 30,56 "Ha 30,55 30,56 30,55 Absolute Pressure 23,35 23, 35 "Hg 23,35 23,35 23,35 23, 35 TPH ppmv 14490 VAPOR / INFLUENT 19360 20/60 CO₂ 4,02 5,24 5,74 02 13, 3 13,0 12.8 H₂S ppm Arrive & Site 0800 SVE on1 SLL 0830 Vue cum a 2/826 Totalizer 31826 3/828 gals 3/828 3/830 3/832 31830 RECOVERY Pump Rate gals/min .07 .07 07 Total Volume 0 gals 2 NAPL % Vol 10% 10% 0% 10% 10% 10 NAPI 0 Gals 12 2 830 Data Logger Head 8,31 5,19 2,40 1,30 1.32 1.30 EN GW Depression 1017 3,11 5.90 7,00 6.98 7.00 Extraction Well 41.93 DTNAPL Extraction Well 42.37 DTGW ,44



OPERATING DATA - EVENT # PAGE# 2 Location: Lat L-40, Rio Arriba County, NM ACUVAC MDP SYSTEM Project Manager: Hendley / George 8-31-22 Date Well # MW-5 Time 1130 1200 1230 1300 1330 400 Hr Meter Engine Speed 1800 RPM 1800 ENGINE / BLOWER 1800 (800 1800 Oil Pressure 1800 psi 55 55 55 55 55 Water Temp 55 140 140 145 145 150 150 Alternator 14 14 Volts 14 14 14 Intake Vacuum 14 18 "Hg 18 18 18 18 Gas Flow Fuel/Propane 18 60 60 cfh 60 60 50 60 ATMOSPHERE VACUUM / AIR Extraction Well Vac. 150 "H₂O 150 150 150 150 Extraction Well Flow 150 scfm 15.10 15.10 15.07 15.07 15,06 Well Flow Raw Number 15,06 24 24 24 24 Influent Vapor Temp. 24 68 68 °F 70 20 71 Air Temp 7/ 63 65 08 70 72 76 Barometric Pressure 30,52 "Hg 30.54 30,54 30,57 30,50 30, 98 Absolute Pressure 23,34 23.34 2532 23,31 23,30 3,29 TPH ppmv VAPOR / 20,270 19690 CO₂ 9740 % 5,88 5,86 6.04 O_2 % 12,7 12,9 H₂S 12.8 ppm Totalizer gals 3/832 31834 31839 31836 RECOVERY 31836 3/838 Pump Rate gals/min .07 .07 Total Volume 07 8 gals 8 10 NAPL 10 12 % Vol 20) 10% 10% 100 10% NAPL 10% . 2 Gals 0 . 2 0 Data Logger Head 8,30 2 . ft 1.10 1,12 1.14 1.11 1.10 GW Depression 1,10 7,20 7.18 2,16 7,19 7.20 Extraction Well 7.20 DTNAPL Extraction Well DTGW

E



		: Lat L-40, R		county	, NM				F	Project M	lanager:	UVAC MI	
- 1	Well#	Mw.	5		8.3						unager.	nenaley	/ Ge
		. 100		Time	14	30 /	500	15	30	160	0 /6	30	
1	Eng	0	Н	r Meter								30	_
	Eng.	ine Speed		RPM	190	0 1	500	190	20	1900	10	0.4	_
	9	ressure		psi	55	5	3		5	55	100	00	_
	Wate	er Temp		°F	150	/	50	15	-	150		5	
	Alterr	nator		Volts	18	4	14		4		-	0	
	Intake	Vacuum		"Hg	18		18		-	14	19		
1	Gas F	low Fuel/Propa	ne	cfh	60	1	0	18		18	18		
1		tion Well Vac.		"H ₂ O	150	-		60		60	6	0	
IN .	Extrac	tion Well Flow		scfm		10	0	150	_	150	15	0	
3	Well Fi	ow Raw Numbe			15.04	-	.03	15.0	3	15.07	150	7	
ATMOSPHERE VACILIMA A 12	Influent	Vapor Temp.	<i>7</i> 1		24		4	24		24	24		
PHE	Air Tem			°F	72		3	73		74	74		
MOS	Baromo			_	79	8,		83		85	87	_	
A		tric Pressure		-	0,46	- '	44	30, 4		0,42	30,4	2	
	TPH	Pressure		Hg 2	3.28	23.	27	23,2	62	3,25			_
N.	OC .		ppi	nv	_	1917	70	_			23,2	5	
VAPOR /	CO ₂			%	_	6.0		_	00	390			
> <u>z</u>				%	_	13.		~		.46	_		
_	H ₂ S		ppi	m	-	-	_			3.0			
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1													
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1	Totalizer		gals	3/8	30	31840	2	10	37-				
F	Pump Rate		gals/min			21070	1 31	840	3/8	42 3	3/842		\neg
1	otal Volume		gals	1	07			07			_		\neg
N	101			202		14 14		16		16		\neg	
N	APL		Gals	-	-	10%	10	76	10%	7	200		\dashv
	ata Logger I	lead Ø	30 ft	1 m		. 2	-	-	. 2		-		1
Di	W Depression			70		1.06	1,0		1.02	1.	02		\dashv
			ft	7,2	0	7,24	7,	30	8,28	3 8.	20		+
GI	traction Wel				1								1
G) Ex	traction Wel		DTNAPL		-					40	,08		7

APPENDIX D

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-220163-1 Client Project/Site: Lat L 40

For:

eurofins 🔆

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

Attn: Steve Varsa

Ish my

Authorized for release by: 6/20/2022 11:51:38 AM Isabel Enfinger, Project Manager I (850)471-6237

isabel.enfinger@et.eurofinsus.com

Designee for

Cheyenne Whitmire, Project Manager II (850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

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

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

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





Received by OCD: 3/29/2023 8:41:30 PM

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/22/2023 1:05:03 PM

Laboratory Job ID: 400-220163-1

Client: Stantec Consulting Services Inc Project/Site: Lat L 40

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Case Narrative

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Job ID: 400-220163-1

Job ID: 400-220163-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-220163-1

Receipt

The samples were received on 5/19/2022~8:59~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 3.2° C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-220163-2). Elevated reporting limits (RLs) are provided.

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

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Detection Summary

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Client Sample ID: TB-01 Lab Sample ID: 400-220163-1

No Detections.

Client Sample ID: MW-1 Lab Sample ID: 400-220163-2

Analyte	Result Qualifier	RL	Unit	Dil Fac I) Method	Prep Type
Benzene	180	5.0	ug/L		8260C	Total/NA
Toluene	14	5.0	ug/L	5	8260C	Total/NA
Ethylbenzene	230	5.0	ug/L	5	8260C	Total/NA
Xylenes, Total	990	50	ug/L	5	8260C	Total/NA

Client Sample ID: MW-2 Lab Sample ID: 400-220163-3

No Detections.

Client Sample ID: MW-3 Lab Sample ID: 400-220163-4

No Detections.

Client Sample ID: MW-4 Lab Sample ID: 400-220163-5

No Detections.

Client Sample ID: MW-6 Lab Sample ID: 400-220163-6

No Detections.

Client Sample ID: MW-9 Lab Sample ID: 400-220163-7

No Detections.

Client Sample ID: MW-10 Lab Sample ID: 400-220163-8

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-220163-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Job ID: 400-220163-1

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

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Job ID: 400-220163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-220163-1	TB-01	Water	05/18/22 09:00	05/19/22 08:59
400-220163-2	MW-1	Water	05/18/22 10:00	05/19/22 08:59
400-220163-3	MW-2	Water	05/18/22 09:50	05/19/22 08:59
400-220163-4	MW-3	Water	05/18/22 09:45	05/19/22 08:59
400-220163-5	MW-4	Water	05/18/22 09:35	05/19/22 08:59
400-220163-6	MW-6	Water	05/18/22 09:30	05/19/22 08:59
400-220163-7	MW-9	Water	05/18/22 09:25	05/19/22 08:59
400-220163-8	MW-10	Water	05/18/22 09:20	05/19/22 08:59
400-220163-9	DUP-01	Water	05/18/22 10:50	05/19/22 08:59

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Lab Sample ID: 400-220163-1 **Client Sample ID: TB-01**

Date Collected: 05/18/22 09:00 **Matrix: Water** Date Received: 05/19/22 08:59

Method: 8260C - Volatile	Organic Compounds by (GC/MS					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0	1.0	ug/L			05/24/22 16:57	1
Toluene	<1.0	1.0	ug/L			05/24/22 16:57	1
Ethylbenzene	<1.0	1.0	ug/L			05/24/22 16:57	1
Xylenes, Total	<10	10	ug/L			05/24/22 16:57	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108	72 - 119				05/24/22 16:57	1
Dibromofluoromethane	103	75 - 126				05/24/22 16:57	1
Toluene-d8 (Surr)	100	64 - 132				05/24/22 16:57	1

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Client Sample ID: MW-1 Lab Sample ID: 400-220163-2

Date Collected: 05/18/22 10:00 Matrix: Water Date Received: 05/19/22 08:59

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	180		5.0	ug/L			05/25/22 12:53	5
Toluene	14		5.0	ug/L			05/25/22 12:53	5
Ethylbenzene	230		5.0	ug/L			05/25/22 12:53	5
Xylenes, Total	990		50	ug/L			05/25/22 12:53	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119				05/25/22 12:53	5
Dibromofluoromethane	96		75 - 126				05/25/22 12:53	5
Toluene-d8 (Surr)	106		64 - 132				05/25/22 12:53	5

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Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Lab Sample ID: 400-220163-3 **Client Sample ID: MW-2**

Date Collected: 05/18/22 09:50 **Matrix: Water** Date Received: 05/19/22 08:59

Method: 8260C - Volatile	Organic Compou	nds by G	C/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/24/22 18:38	1
Toluene	<1.0		1.0	ug/L			05/24/22 18:38	1
Ethylbenzene	<1.0		1.0	ug/L			05/24/22 18:38	1
Xylenes, Total	<10		10	ug/L			05/24/22 18:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119				05/24/22 18:38	1
Dibromofluoromethane	104		75 - 126				05/24/22 18:38	1
Toluene-d8 (Surr)	101		64 - 132				05/24/22 18:38	1

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Lab Sample ID: 400-220163-4 Client Sample ID: MW-3

Date Collected: 05/18/22 09:45 **Matrix: Water** Date Received: 05/19/22 08:59

Method: 8260C - Volatile	Organic Compounds by	GC/MS					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0	1.0	ug/L			05/24/22 19:03	1
Toluene	<1.0	1.0	ug/L			05/24/22 19:03	1
Ethylbenzene	<1.0	1.0	ug/L			05/24/22 19:03	1
Xylenes, Total	<10	10	ug/L			05/24/22 19:03	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109	72 - 119				05/24/22 19:03	1
Dibromofluoromethane	103	75 ₋ 126				05/24/22 19:03	1
Toluene-d8 (Surr)	102	64 - 132				05/24/22 19:03	1

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Lab Sample ID: 400-220163-5 Client Sample ID: MW-4

Date Collected: 05/18/22 09:35 **Matrix: Water**

Date Received: 05/19/22 08:59

Method: 8260C - Volatile	Organic Compou	nds by G	C/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/24/22 19:28	1
Toluene	<1.0		1.0	ug/L			05/24/22 19:28	1
Ethylbenzene	<1.0		1.0	ug/L			05/24/22 19:28	1
Xylenes, Total	<10		10	ug/L			05/24/22 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119				05/24/22 19:28	1
Dibromofluoromethane	103		75 - 126				05/24/22 19:28	1
Toluene-d8 (Surr)	101		64 - 132				05/24/22 19:28	1

Date Received: 05/19/22 08:59

Client Sample Results

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Client Sample ID: MW-6 Lab Sample ID: 400-220163-6 Date Collected: 05/18/22 09:30

Matrix: Water

Method: 8260C - Volatile	Organic Compounds	by GC/MS					
Analyte	Result Qual	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0	1.0	ug/L			05/24/22 19:53	1
Toluene	<1.0	1.0	ug/L			05/24/22 19:53	1
Ethylbenzene	<1.0	1.0	ug/L			05/24/22 19:53	1
Xylenes, Total	<10	10	ug/L			05/24/22 19:53	1
Surrogate	%Recovery Qual	lifier Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104	72 - 119				05/24/22 19:53	1
Dibromofluoromethane	104	75 ₋ 126				05/24/22 19:53	1
Toluene-d8 (Surr)	102	64 - 132				05/24/22 19:53	1

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Client Sample ID: MW-9 Lab Sample ID: 400-220163-7

Date Collected: 05/18/22 09:25

Date Received: 05/19/22 08:59

Matrix: Water

Method: 8260C - Volatile	Organic Compoun	ds by GC	/MS					
Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/24/22 20:18	1
Toluene	<1.0		1.0	ug/L			05/24/22 20:18	1
Ethylbenzene	<1.0		1.0	ug/L			05/24/22 20:18	1
Xylenes, Total	<10		10	ug/L			05/24/22 20:18	1
Surrogate	%Recovery Q	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 119				05/24/22 20:18	1
Dibromofluoromethane	102		75 - 126				05/24/22 20:18	1
Toluene-d8 (Surr)	101		64 - 132				05/24/22 20:18	1

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Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Lab Sample ID: 400-220163-8 **Client Sample ID: MW-10**

Date Collected: 05/18/22 09:20 **Matrix: Water** Date Received: 05/19/22 08:59

Method: 8260C - Volatile	Organic Compoun	ds by GC	/MS					
Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/24/22 20:43	1
Toluene	<1.0		1.0	ug/L			05/24/22 20:43	1
Ethylbenzene	<1.0		1.0	ug/L			05/24/22 20:43	1
Xylenes, Total	<10		10	ug/L			05/24/22 20:43	1
Surrogate	%Recovery Q	ualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119				05/24/22 20:43	1
Dibromofluoromethane	102		75 - 126				05/24/22 20:43	1
Toluene-d8 (Surr)	101		64 - 132				05/24/22 20:43	1

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

Client Sample ID: DUP-01 Lab Sample ID: 400-220163-9

Date Collected: 05/18/22 10:50 Matrix: Water Date Received: 05/19/22 08:59

Method: 8260C - Volatile	ethod: 8260C - Volatile Organic Compounds by GC/MS							
Analyte	Result Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<1.0	1.0	ug/L			05/24/22 21:08	1	
Toluene	<1.0	1.0	ug/L			05/24/22 21:08	1	
Ethylbenzene	<1.0	1.0	ug/L			05/24/22 21:08	1	
Xylenes, Total	<10	10	ug/L			05/24/22 21:08	1	
Surrogate	%Recovery Qualifie	er Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	105	72 - 119				05/24/22 21:08	1	
Dibromofluoromethane	102	75 - 126				05/24/22 21:08	1	
Toluene-d8 (Surr)	101	64 - 132				05/24/22 21:08	1	

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Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

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Glossary

MDA

MQL

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"

MDC Minimum Detectable Concentration (Radiochemistry)
MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number

Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

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

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Client Sample ID: TB-01 Lab Sam

Lab Sample ID: 400-220163-1

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Date Collected: 05/18/22 09:00 Date Received: 05/19/22 08:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	578711	05/24/22 16:57	AGW	TAL PEN
	Instrument	ID: CH LARS								

Client Sample ID: MW-1

Date Collected: 05/18/22 10:00

Lab Sample ID: 400-220163-2

Matrix: Water

Date Collected: 05/18/22 10:00 Date Received: 05/19/22 08:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	578832	05/25/22 12:53	AGW	TAL PEN
	Instrumer	t ID: Darwin								

Client Sample ID: MW-2 Lab Sample ID: 400-220163-3

Date Collected: 05/18/22 09:50 Date Received: 05/19/22 08:59

Batch Batch Dil Initial Final Batch Prepared Method Number or Analyzed **Prep Type** Type Run **Factor Amount** Amount Analyst Lab 05/24/22 18:38 AGW TAL PEN Total/NA Analysis 8260C 5 mL 5 mL 578711 Instrument ID: CH_LARS

Client Sample ID: MW-3 Lab Sample ID: 400-220163-4

Date Collected: 05/18/22 09:45 Date Received: 05/19/22 08:59

Prep Type Total/NA	Batch Type Analysis	Batch Method 8260C	Run	Dil Factor	Initial Amount 5 mL	Final Amount 5 mL	Batch Number 578711	Prepared or Analyzed 05/24/22 19:03	Analyst AGW	Lab TAL PEN
	Instrumer	nt ID: CH LARS								

Client Sample ID: MW-4 Lab Sample ID: 400-220163-5

Date Collected: 05/18/22 09:35 Date Received: 05/19/22 08:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	_	1	5 mL	5 mL	578711	05/24/22 19:28	AGW	TAL PEN
	Instrumer	TID. CH LARS								

Client Sample ID: MW-6

Date Collected: 05/18/22 09:30

Lab Sample ID: 400-220163-6

Matrix: Water

Date Collected: 05/18/22 09:30 Date Received: 05/19/22 08:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	578711	05/24/22 19:53	AGW	TAL PEN
	Instrumen	t ID: CH_LARS								

Lab Chronicle

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Job ID: 400-220163-1

Lab Sample ID: 400-220163-7

Matrix: Water

Matrix: Water

Date Collected: 05/18/22 09:25 Date Received: 05/19/22 08:59

Client Sample ID: MW-9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	578711	05/24/22 20:18	AGW	TAL PEN
	Instrument	ID: CH LARS								

Client Sample ID: MW-10

Date Collected: 05/18/22 09:20

Lab Sample ID: 400-220163-8

Matrix: Water

Date Collected: 05/18/22 09:20 Date Received: 05/19/22 08:59

Prep Type	Batch Type	Batch Method	Bun	Dil Factor	Initial	Final	Batch Number	Prepared or Analyzed	Analyst	Lab
Frep Type	туре	wiethou	Run	ractor	Amount	Amount	Number	Of Allalyzeu	Analyst	_ Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	578711	05/24/22 20:43	AGW	TAL PEN
	Instrumer	TID: CH LARS								

Client Sample ID: DUP-01 Lab Sample ID: 400-220163-9

Date Collected: 05/18/22 10:50

Date Received: 05/19/22 08:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	578711	05/24/22 21:08	AGW	TAL PEN
	Instrumer	nt ID: CH LARS								

Laboratory References:

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

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QC Association Summary

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Job ID: 400-220163-1

GC/MS VOA

Analysis Batch: 578711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220163-1	TB-01	Total/NA	Water	8260C	
400-220163-3	MW-2	Total/NA	Water	8260C	
400-220163-4	MW-3	Total/NA	Water	8260C	
400-220163-5	MW-4	Total/NA	Water	8260C	
400-220163-6	MW-6	Total/NA	Water	8260C	
400-220163-7	MW-9	Total/NA	Water	8260C	
400-220163-8	MW-10	Total/NA	Water	8260C	
400-220163-9	DUP-01	Total/NA	Water	8260C	
MB 400-578711/4	Method Blank	Total/NA	Water	8260C	
LCS 400-578711/1002	Lab Control Sample	Total/NA	Water	8260C	
400-220024-B-9 MS	Matrix Spike	Total/NA	Water	8260C	
400-220024-B-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 578832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220163-2	MW-1	Total/NA	Water	8260C	
MB 400-578832/5	Method Blank	Total/NA	Water	8260C	
LCS 400-578832/1003	Lab Control Sample	Total/NA	Water	8260C	
400-220142-A-9 MS	Matrix Spike	Total/NA	Water	8260C	
400-220142-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

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Dil Fac

QC Sample Results

1.0

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Client: Stantec Consulting Services Inc

Project/Site: Lat L 40

Job ID: 400-220163-1

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

Lab Sample ID: MB 400-578711/4

Matrix: Water

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analysis Batch: 578711

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

05/24/22 11:29

05/24/22 11:29

Analyzed 05/24/22 11:29 05/24/22 11:29 05/24/22 11:29

MB MB Result Qualifier RL Unit D Analyzed Dil Fac Prepared <1.0 1.0 ug/L 05/24/22 11:29 <1.0 1.0 ug/L 05/24/22 11:29

ug/L

ug/L

MB MB

Lab Sample ID: LCS 400-578711/1002

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene	108		72 - 119	
Dibromofluoromethane	103		75 - 126	
Toluene-d8 (Surr)	102		64 - 132	

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 578711

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	49.1		ug/L		98	70 - 130	
Toluene	50.0	50.6		ug/L		101	70 - 130	
Ethylbenzene	50.0	54.9		ug/L		110	70 - 130	
Xylenes, Total	100	110		ug/L		110	70 - 130	

LCS LCS

<1.0

<10

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene	97	72 - 119
Dibromofluoromethane	99	75 - 126
Toluene-d8 (Surr)	100	64 - 132

Lab Sample ID: 400-220024-B-9 MS

Matrix: Water

Analysis Batch: 578711

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

ı		Sample	Sample	Spike	MS	MS				%Rec	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	<1.0		50.0	45.8		ug/L		92	56 - 142	
	Toluene	<1.0		50.0	43.1		ug/L		85	65 - 130	
	Ethylbenzene	<1.0		50.0	39.6		ug/L		79	58 - 131	
١	Xylenes, Total	<10		100	78.0		ug/L		78	59 - 130	

MS MS %Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene 98 72 - 119 Dibromofluoromethane 99 75 - 126 Toluene-d8 (Surr) 99 64 - 132

Sample Sample

<1.0

<1.0

<1.0

Result Qualifier

Lab Sample ID: 400-220024-B-9 MSD

Matrix: Water

Analyte

Benzene

Toluene

Ethylbenzene

Analysis Batch: 578711

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

%Rec **RPD** Limits RPD Result Qualifier Unit %Rec Limit ug/L 96 56 - 142 30 91 65 - 130 30 ug/L 6

58 - 131

89

Eurofins Pensacola

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MSD MSD

ug/L

47.9

45.9

44.6

Spike

Added

50.0

50.0

50.0

QC Sample Results

Client: Stantec Consulting Services Inc

Lab Sample ID: 400-220024-B-9 MSD

Project/Site: Lat L 40

Matrix: Water

Job ID: 400-220163-1

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

P

Analysis Batch: 578711

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Xylenes, Total	<10		100	87.8		ug/L		88	59 - 130	12	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	99		72 - 119
Dibromofluoromethane	100		75 - 126
Toluene-d8 (Surr)	99		64 - 132

Lab Sample ID: MB 400-578832/5 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 578832

Prep Type: Total/NA

	IVIB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/25/22 09:24	1
Toluene	<1.0		1.0	ug/L			05/25/22 09:24	1
Ethylbenzene	<1.0		1.0	ug/L			05/25/22 09:24	1
Xylenes, Total	<10		10	ug/L			05/25/22 09:24	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	109	72 - 119		05/25/22 09:24	1
Dibromofluoromethane	97	75 - 126		05/25/22 09:24	1
Toluene-d8 (Surr)	103	64 - 132		05/25/22 09:24	1

Lab Sample ID: LCS 400-578832/1003

Matrix: Water

Analysis Batch: 578832

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	52.1		ug/L		104	70 - 130	 _
Toluene	50.0	54.2		ug/L		108	70 - 130	
Ethylbenzene	50.0	53.8		ug/L		108	70 - 130	
Xylenes, Total	100	107		ug/L		107	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	101		72 - 119
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	101		64 - 132

Lab Sample ID: 400-220142-A-9 MS

Matrix: Water

Analysis Batch: 578832

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<1.0		50.0	51.0		ug/L		101	56 - 142	
Toluene	<1.0		50.0	50.7		ug/L		101	65 - 130	
Ethylbenzene	<1.0		50.0	50.3		ug/L		101	58 - 131	
Xylenes, Total	<10		100	102		ug/L		102	59 - 130	

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Client Sample ID: Matrix Spike

Prep Type: Total/NA

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QC Sample Results

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

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

Lab Sample ID: 400-220142-A-9 MS

Matrix: Water

Analysis Batch: 578832

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 105 72 - 119 Dibromofluoromethane 97 75 - 126 Toluene-d8 (Surr) 103 64 - 132

Lab Sample ID: 400-220142-A-9 MSD

Matrix: Water

Analysis Batch: 578832

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 50.0 56 - 142 30 <1.0 52.2 ug/L 104 2 Toluene <1.0 50.0 50.0 100 65 - 130 30 ug/L Ethylbenzene <1.0 50.0 46.3 ug/L 93 58 - 131 8 30 Xylenes, Total <10 100 90.7 ug/L 59 - 130 11 30

MSD MSD Surrogate Qualifier %Recovery Limits 4-Bromofluorobenzene 105 72 - 119 Dibromofluoromethane 96 75 - 126 Toluene-d8 (Surr) 103 64 - 132

3355 McLemore Drive Pensacola, FL 32514 Phone: 850-474-1001 Fax: 850-478-2671	Chai	Chain of Custody Record	tody Re	cord			💸 eurofins	Environment Testing America
	Sampler:	Sample Company		Lab PM: Whitmire Chevenne R	2 0000	Carrier Tracking No(s):	COC No:	
tact: arsa		39		c, Cley	dille R	State of Origin:	400-111390-37679.1 Page:	679.1
rvices Inc		PWSID:	5	N. C. W. III	oreyenne.winunile@et.euroimsus.com		Page 1 of 1 Job #:	
Adress: 11311 Aurora Avenue	Due Date Requested:				palsanbay sednested	palsan	Preservation Codes:	des:
nes							A - HCL B - NaOH	M - Hexane
ip: 322-7904	See ARF EDG.	G-5TN-65-06-22-5AH	HK-77-9				C - Zn Acetate D - Nitric Acid	0 - AsNaO2 P - Na2O4S
						400-220163 COC		Q - Na2SO3 R - Na2S2O3 S - H2SO4
	WO #: ERG-STN-05-06-22-SAH-11	H-11	ON JO	(0	(pa)			
ct Name: L 40.00	Project #: 40005479		SOA)		Nesen		J - DI Water K - EDTA L - EDA	V - MCAA W - pH 4-5 Z - other (enotify)
sie: Lat L-40	SSOW#:		elgms		dun) 09			z - ourer (specify)
			Matrix (w-water,	m MSA - BTEX 82	- BTEX 82		o redmu	
Sample Identification	Sample Date Time	9 0	3	9	8260C			Special Instructions/Note:
TB-01	No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa		Preservation Gode: X	z	N			and the second state of th
2	5/18/1252 400	0	Water		372		4	
mw-1	Slighorz Besch	1.1	Water		3		W	
7: MM	0.56 malgis	6	Water		3		a	
MW.O	S/18/2012 945	9	Water		3		5	
D-38	56/2201/81/9	0	Water		5		ľ	
MW-6	S/18/202 930	90	Water		6		i w	
PW-9	5/18/22 925	9	Water		3		4	
MW-10	02.6 2202/8/15		Water		3) 4	
DUP-01	5)19hor 1050	8	Water		3		IM	
Possible Hazard Identification								
Aliverable Board Flammable Skin Irritant Poison B	son B Unknown	Radiological		Sample	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	issessed if sample:	s are retained longer than	1 month)
Deliverable Requested: 1, II, IV, Other (specify)				Special	Special Instructions/QC Requirements:	nts:	Alcine rol	Months
Empty Kit Relinquished by:	Date:		ij.	Time:		Method of Shipment	nt:	
more	Date/Time: 5/18/2022 il	30	Stantec	Rece	Received by	Pall Co	928 55/8°	Company
	Date/ lime:		Company	Rece	Received by:	Date/Time.	ime:	Company
	Date/Time:		Company	Rece	Received by:	Date/Time:	ime:	Сотралу
Custody Seals mact: Custody Seal No.: Δ Yes Δ No				Cool	Cooler Temperature(s) °C and Other Remarks:	3,2°	C 2/10	

Luiviiis relisacola

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-220163-1

Login Number: 220163 List Source: Eurofins Pensacola

List Number: 1

Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 400-220163-1

Project/Site: Lat L 40

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

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Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 400-228137-1 Client Project/Site: Lat L 40.00

For:

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

Attn: Steve Varsa

Ish my

Authorized for release by: 11/7/2022 2:01:31 PM Isabel Enfinger, Project Manager I (850)471-6237

isabel.enfinger@et.eurofinsus.com

Designee for

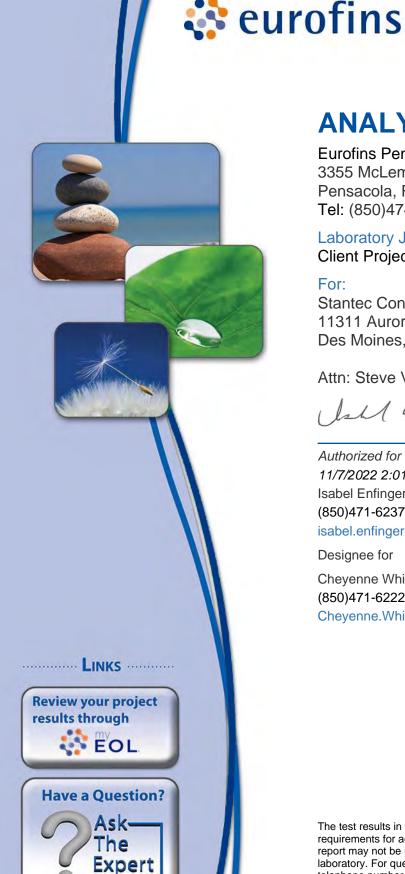
Cheyenne Whitmire, Project Manager II (850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

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

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

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



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Released to Imaging: 5/22/2023 1:05:03 PM

Laboratory Job ID: 400-228137-1

Client: Stantec Consulting Services Inc Project/Site: Lat L 40.00

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Case Narrative

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40.00

Job ID: 400-228137-1

Job ID: 400-228137-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-228137-1

Comments

No additional comments.

Receipt

The samples were received on 11/1/2022 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 4.4° C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-228137-3). Elevated reporting limits (RLs) are provided.

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

VOA Prep

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

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Detection Summary

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: TB-01 Lab Sample ID: 400-228137-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-228137-2

No Detections.

Client Sample ID: MW-1 Lab Sample ID: 400-228137-3

Analyte	Result Qualifier	RL	Unit	Dil Fac D	Method	Prep Type
Benzene	240	5.0	ug/L		8260C	Total/NA
Toluene	22	5.0	ug/L	5	8260C	Total/NA
Ethylbenzene	260	5.0	ug/L	5	8260C	Total/NA
Xylenes, Total	1100	50	ug/L	5	8260C	Total/NA

Client Sample ID: MW-2 Lab Sample ID: 400-228137-4

No Detections.

Client Sample ID: MW-3 Lab Sample ID: 400-228137-5

No Detections.

Client Sample ID: MW-4 Lab Sample ID: 400-228137-6

No Detections.

Client Sample ID: MW-6 Lab Sample ID: 400-228137-7

No Detections.

Client Sample ID: MW-9 Lab Sample ID: 400-228137-8

No Detections.

Client Sample ID: MW-10 Lab Sample ID: 400-228137-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40.00

Job ID: 400-228137-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030B	Purge and Trap	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: Lat L 40.00

Job ID: 400-228137-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-228137-1	TB-01	Water	10/30/22 07:00	11/01/22 09:09
400-228137-2	DUP-01	Water	10/30/22 10:28	11/01/22 09:09
400-228137-3	MW-1	Water	10/30/22 09:40	11/01/22 09:09
400-228137-4	MW-2	Water	10/30/22 09:28	11/01/22 09:09
400-228137-5	MW-3	Water	10/30/22 09:50	11/01/22 09:09
400-228137-6	MW-4	Water	10/30/22 09:56	11/01/22 09:09
400-228137-7	MW-6	Water	10/30/22 10:02	11/01/22 09:09
400-228137-8	MW-9	Water	10/30/22 10:11	11/01/22 09:09
400-228137-9	MW-10	Water	10/30/22 10:08	11/01/22 09:09

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Lab Sample ID: 400-228137-1 **Client Sample ID: TB-01**

Date Collected: 10/30/22 07:00 **Matrix: Water** Date Received: 11/01/22 09:09

Method: SW846 8260C -	Volatile Organic	Compound	ds by GC/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/04/22 21:30	1
Toluene	<1.0		1.0	ug/L			11/04/22 21:30	1
Ethylbenzene	<1.0		1.0	ug/L			11/04/22 21:30	1
Xylenes, Total	<10		10	ug/L			11/04/22 21:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		72 - 119				11/04/22 21:30	1
Dibromofluoromethane	93		75 - 126				11/04/22 21:30	1
Toluene-d8 (Surr)	103		64 - 132				11/04/22 21:30	1

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: DUP-01 Lab Sample ID: 400-228137-2

Date Collected: 10/30/22 10:28

Date Received: 11/01/22 09:09

Matrix: Water

Method: SW846 8260C - \	/olatile Organic Co	ompounds	by GC/MS					
Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/04/22 23:10	1
Toluene	<1.0		1.0	ug/L			11/04/22 23:10	1
Ethylbenzene	<1.0		1.0	ug/L			11/04/22 23:10	1
Xylenes, Total	<10		10	ug/L			11/04/22 23:10	1
Surrogate	%Recovery Q	ualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		72 - 119				11/04/22 23:10	1
Dibromofluoromethane	91		75 - 126				11/04/22 23:10	1
Toluene-d8 (Surr)	97		64 - 132				11/04/22 23:10	1

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Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: MW-1 Lab Sample ID: 400-228137-3

Date Collected: 10/30/22 09:40 **Matrix: Water** Date Received: 11/01/22 09:09

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	240		5.0	ug/L			11/06/22 11:45	5
Toluene	22		5.0	ug/L			11/06/22 11:45	5
Ethylbenzene	260		5.0	ug/L			11/06/22 11:45	5
Xylenes, Total	1100		50	ug/L			11/06/22 11:45	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119		•		11/06/22 11:45	5
Dibromofluoromethane	100		75 - 126				11/06/22 11:45	5
Toluene-d8 (Surr)	105		64 - 132				11/06/22 11:45	5

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Lab Sample ID: 400-228137-4 **Client Sample ID: MW-2**

Date Collected: 10/30/22 09:28 **Matrix: Water** Date Received: 11/01/22 09:09

Method: SW846 8260C -	Volatile Organic Comp	pounds by GC/MS					
Analyte	Result Quali	fier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0	1.0	ug/L			11/04/22 23:35	1
Toluene	<1.0	1.0	ug/L			11/04/22 23:35	1
Ethylbenzene	<1.0	1.0	ug/L			11/04/22 23:35	1
Xylenes, Total	<10	10	ug/L			11/04/22 23:35	1
Surrogate	%Recovery Quali	fier Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95	72 - 119				11/04/22 23:35	1
Dibromofluoromethane	94	75 ₋ 126				11/04/22 23:35	1
Toluene-d8 (Surr)	106	64 - 132				11/04/22 23:35	1

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: MW-3 Lab Sample ID: 400-228137-5

Date Collected: 10/30/22 09:50 **Matrix: Water** Date Received: 11/01/22 09:09

Method: SW846 8260C -	Result Qu	-	•	114:4	D	Duamanad	Analysed	Dil Fac
Analyte	Result Qi	uaimer	RL	Unit		Prepared	Analyzed	DII Fac
Benzene	<1.0		1.0	ug/L			11/05/22 00:00	1
Toluene	<1.0		1.0	ug/L			11/05/22 00:00	1
Ethylbenzene	<1.0		1.0	ug/L			11/05/22 00:00	1
Xylenes, Total	<10		10	ug/L			11/05/22 00:00	1
Surrogate	%Recovery Qu	ualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119		-		11/05/22 00:00	1
Dibromofluoromethane	91		75 - 126				11/05/22 00:00	1
Toluene-d8 (Surr)	96		64 - 132				11/05/22 00:00	1

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: MW-4 Lab Sample ID: 400-228137-6

Date Collected: 10/30/22 09:56 **Matrix: Water** Date Received: 11/01/22 09:09

Method: SW846 8260C - \	/olatile Organic C	ompound	is by GC/MS					
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/05/22 00:25	1
Toluene	<1.0		1.0	ug/L			11/05/22 00:25	1
Ethylbenzene	<1.0		1.0	ug/L			11/05/22 00:25	1
Xylenes, Total	<10		10	ug/L			11/05/22 00:25	1
Surrogate	%Recovery 0	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		72 - 119				11/05/22 00:25	1
Dibromofluoromethane	96		75 - 126				11/05/22 00:25	1
Toluene-d8 (Surr)	99		64 - 132				11/05/22 00:25	1

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Lab Sample ID: 400-228137-7 **Client Sample ID: MW-6**

Date Collected: 10/30/22 10:02 **Matrix: Water** Date Received: 11/01/22 09:09

Method: SW846 8260C -	Volatile Organic Com	pounds by GC/MS					
Analyte	Result Qual	lifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0	1.0	ug/L			11/05/22 00:50	1
Toluene	<1.0	1.0	ug/L			11/05/22 00:50	1
Ethylbenzene	<1.0	1.0	ug/L			11/05/22 00:50	1
Xylenes, Total	<10	10	ug/L			11/05/22 00:50	1
Surrogate	%Recovery Qua	lifier Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92	72 - 119				11/05/22 00:50	1
Dibromofluoromethane	93	75 - 126				11/05/22 00:50	1
Toluene-d8 (Surr)	99	64 - 132				11/05/22 00:50	1

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: MW-9 Lab Sample ID: 400-228137-8

Date Collected: 10/30/22 10:11 Matrix: Water

Date Received: 11/01/22 09:09

Method: SW846 8260C -	Volatile Organic C	Compound	ds by GC/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/05/22 01:15	1
Toluene	<1.0		1.0	ug/L			11/05/22 01:15	1
Ethylbenzene	<1.0		1.0	ug/L			11/05/22 01:15	1
Xylenes, Total	<10		10	ug/L			11/05/22 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119				11/05/22 01:15	1
Dibromofluoromethane	92		75 - 126				11/05/22 01:15	1
Toluene-d8 (Surr)	104		64 - 132				11/05/22 01:15	1

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Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: MW-10 Lab Sample ID: 400-228137-9

Date Collected: 10/30/22 10:08 **Matrix: Water** Date Received: 11/01/22 09:09

Method: SW846 8260C - 1	Volatile Organic Co	ompound	ls by GC/MS					
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/05/22 01:40	1
Toluene	<1.0		1.0	ug/L			11/05/22 01:40	1
Ethylbenzene	<1.0		1.0	ug/L			11/05/22 01:40	1
Xylenes, Total	<10		10	ug/L			11/05/22 01:40	1
Surrogate	%Recovery G	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 119				11/05/22 01:40	1
Dibromofluoromethane	92		75 - 126				11/05/22 01:40	1
Toluene-d8 (Surr)	109		64 - 132				11/05/22 01:40	1

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

5-220107-1

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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

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)

Decision Level 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

Client: Stantec Consulting Services Inc

Job ID: 400-228137-1

Project/Site: Lat L 40.00

Client Sample ID: TB-01

Lab Sample ID: 400-228137-1

Matrix: Water

Matrix: Water

Date Collected: 10/30/22 07:00 Date Received: 11/01/22 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	599216	11/04/22 21:30	WPD	EET PEN
	Instrument	ID: Argo								

Client Sample ID: DUP-01 Lab Sample ID: 400-228137-2 **Matrix: Water**

Date Collected: 10/30/22 10:28 Date Received: 11/01/22 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	599216	11/04/22 23:10	WPD	EET PEN
	Inetrument	ID: Argo								

Client Sample ID: MW-1 Lab Sample ID: 400-228137-3

Date Collected: 10/30/22 09:40 Date Received: 11/01/22 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	5 mL	5 mL	599420	11/06/22 11:45	WPD	EET PEN
	Instrumen	t ID: CH_CONAN								

Client Sample ID: MW-2 Lab Sample ID: 400-228137-4 Date Collected: 10/30/22 09:28 **Matrix: Water**

Date Received: 11/01/22 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	8260C		1	5 mL	5 mL	599216	11/04/22 23:35	WPD	EET PEN
	Instrumer	nt ID: Argo								

Client Sample ID: MW-3 Lab Sample ID: 400-228137-5 Date Collected: 10/30/22 09:50

Date Received: 11/01/22 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	599216	11/05/22 00:00	WPD	EET PEN
	Instrumer	nt ID: Argo								

Lab Sample ID: 400-228137-6 Client Sample ID: MW-4 **Matrix: Water**

Date Collected: 10/30/22 09:56 Date Received: 11/01/22 09:09

Released to Imaging: 5/22/2023 1:05:03 PM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	599216	11/05/22 00:25	WPD	EET PEN
	Instrumer	nt ID: Argo								

Eurofins Pensacola

Matrix: Water

Lab Chronicle

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40.00

Job ID: 400-228137-1

Client Sample ID: MW-6 Lab Sample ID: 400-228137-7 Date Collected: 10/30/22 10:02

Matrix: Water

Date Received: 11/01/22 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	599216	11/05/22 00:50	WPD	EET PEN
	Instrumen	t ID· Δrao								

Client Sample ID: MW-9 Lab Sample ID: 400-228137-8

Date Collected: 10/30/22 10:11 Date Received: 11/01/22 09:09

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type **Factor Amount Amount** Number or Analyzed Run Analyst Lab Total/NA Analysis 8260C 5 mL 5 mL 599216 11/05/22 01:15 WPD **EET PEN** Instrument ID: Argo

Lab Sample ID: 400-228137-9 **Client Sample ID: MW-10**

Date Collected: 10/30/22 10:08 **Matrix: Water**

Date Received: 11/01/22 09:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	599216	11/05/22 01:40	WPD	EET PEN
	Instrumer	nt ID: Argo								

Laboratory References:

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

Eurofins Pensacola

Matrix: Water

QC Association Summary

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40.00

Job ID: 400-228137-1

GC/MS VOA

Analysis Batch: 599216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228137-1	TB-01	Total/NA	Water	8260C	
400-228137-2	DUP-01	Total/NA	Water	8260C	
400-228137-4	MW-2	Total/NA	Water	8260C	
400-228137-5	MW-3	Total/NA	Water	8260C	
400-228137-6	MW-4	Total/NA	Water	8260C	
400-228137-7	MW-6	Total/NA	Water	8260C	
400-228137-8	MW-9	Total/NA	Water	8260C	
400-228137-9	MW-10	Total/NA	Water	8260C	
MB 400-599216/4	Method Blank	Total/NA	Water	8260C	
LCS 400-599216/1002	Lab Control Sample	Total/NA	Water	8260C	
400-227944-A-1 MS	Matrix Spike	Total/NA	Water	8260C	
400-227944-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 599420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228137-3	MW-1	Total/NA	Water	8260C	
MB 400-599420/5	Method Blank	Total/NA	Water	8260C	
LCS 400-599420/1003	Lab Control Sample	Total/NA	Water	8260C	
400-227894-A-7 MS	Matrix Spike	Total/NA	Water	8260C	
400-227894-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

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Client: Stantec Consulting Services Inc

Project/Site: Lat L 40.00

Job ID: 400-228137-1

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

Lab Sample ID: MB 400-599216/4

Matrix: Water

Analysis Batch: 599216

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/04/22 18:10	1
Toluene	<1.0		1.0	ug/L			11/04/22 18:10	1
Ethylbenzene	<1.0		1.0	ug/L			11/04/22 18:10	1
Xylenes, Total	<10		10	ug/L			11/04/22 18:10	1

MB MB Surrogate Qualifier Limits Prepared Dil Fac %Recovery Analyzed 72 - 119 4-Bromofluorobenzene 93 11/04/22 18:10 Dibromofluoromethane 91 75 - 126 11/04/22 18:10 98 64 - 132 Toluene-d8 (Surr) 11/04/22 18:10

Lab Sample ID: LCS 400-599216/1002

Matrix: Water

Analysis Batch: 599216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 50.0 51.6 ug/L 103 70 - 130 Toluene 50.0 48.8 ug/L 98 70 - 130 Ethylbenzene 50.0 52.1 104 70 - 130 ug/L Xylenes, Total 100 97.5 ug/L 70 - 130

LCS LCS %Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene 91 72 - 119 92 Dibromofluoromethane 75 - 126 Toluene-d8 (Surr) 93 64 - 132

Lab Sample ID: 400-227944-A-1 MS

Matrix: Water

Analysis Batch: 599216

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

nple Sample	Spike	MS	MS				%Rec	
sult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<1.0	50.0	48.3		ug/L		97	56 - 142	
<1.0	50.0	43.7		ug/L		87	65 - 130	
<1.0	50.0	42.5		ug/L		85	58 - 131	
<10	100	79.4		ug/L		79	59 - 130	
	esult Qualifier <1.0 <1.0 <1.0 <1.0 <1.0	esult Qualifier Added <1.0	esult Qualifier Added Result <1.0	Sesult control Qualifier Added state Result control Qualifier <1.0	Added Result control Qualifier control Unit control 41.0 50.0 48.3 ug/L 41.0 50.0 43.7 ug/L 41.0 50.0 42.5 ug/L	Possibility Qualifier Added South Result	Sesult of the control of the	Added Result control Qualifier Unit control D control %Rec control Limits control <1.0

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	91		72 - 119
Dibromofluoromethane	91		75 - 126
Toluene-d8 (Surr)	100		64 - 132

Lab Sample ID: 400-227944-A-1 MSD

Matrix: Water

Analysis Batch: 599216

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<1.0		50.0	48.5		ug/L		97	56 - 142	0	30
Toluene	<1.0		50.0	46.0		ug/L		92	65 - 130	5	30
Ethylbenzene	<1.0		50.0	45.2		ug/L		90	58 - 131	6	30

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QC Sample Results

Client: Stantec Consulting Services Inc

Project/Site: Lat L 40.00

Job ID: 400-228137-1

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

Lab Sample ID: 400-227944-A-1 MSD

Matrix: Water

Analysis Batch: 599216

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

RPD Spike MSD MSD %Rec Sample Sample Analyte **Result Qualifier** Added Result Qualifier Unit %Rec Limits RPD Limit Xylenes, Total <10 100 84.7 ug/L 85 59 - 130 6 30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	92		72 - 119
Dibromofluoromethane	91		75 - 126
Toluene-d8 (Surr)	100		64 - 132

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 599420

Matrix: Water

Lab Sample ID: MB 400-599420/5

Alialysis Datcii. 599420

	MR MR	•					
Analyte	Result Qu	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0	1.0	ug/L			11/06/22 08:25	1
Toluene	<1.0	1.0	ug/L			11/06/22 08:25	1
Ethylbenzene	<1.0	1.0	ug/L			11/06/22 08:25	1
Xylenes, Total	<10	10	ug/L			11/06/22 08:25	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene 95 72 - 119 11/06/22 08:25 Dibromofluoromethane 109 75 - 126 11/06/22 08:25 1 Toluene-d8 (Surr) 101 64 - 132 11/06/22 08:25

Lab Sample ID: LCS 400-599420/1003

Matrix: Water

Analysis Batch: 599420

Client Sample I	D:	Lab (Control	Sample
		Prep	Type:	Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	45.5		ug/L		91	70 - 130	
Toluene	50.0	46.9		ug/L		94	70 - 130	
Ethylbenzene	50.0	47.5		ug/L		95	70 - 130	
Xylenes, Total	100	93.2		ug/L		93	70 - 130	

	LCS LCS	
Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene	96	72 - 119
Dibromofluoromethane	99	75 - 126
Toluene-d8 (Surr)	97	64 - 132

Lab Sample ID: 400-227894-A-7 MS

Matrix: Water

Analysis Batch: 599420

Client Sar	nple ID: Matrix Spike
	Prep Type: Total/NA

Analysis Daton. 000420	Sample S	Sample	Spike	MS	MS				%Rec
Analyte	Result (Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<1.0		50.0	43.2		ug/L		86	56 - 142
Toluene	<1.0		50.0	41.2		ug/L		82	65 - 130
Ethylbenzene	<1.0		50.0	41.9		ug/L		84	58 - 131
Xylenes, Total	<10		100	81.5		ug/L		81	59 - 130

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QC Sample Results

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

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

Lab Sample ID: 400-227894-A-7 MS

Matrix: Water

Analysis Batch: 599420

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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

Lab Sample ID: 400-227894-A-7 MSD

Matrix: Water

Analysis Batch: 599420

Client Sample ID: Matrix Spike Duplicate

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<1.0		50.0	46.9		ug/L		94	56 - 142	8	30
Toluene	<1.0		50.0	46.1		ug/L		92	65 - 130	11	30
Ethylbenzene	<1.0		50.0	47.5		ug/L		95	58 - 131	13	30
Xylenes, Total	<10		100	91.9		ug/L		92	59 - 130	12	30

	MSD N	/ISD	
Surrogate	%Recovery G	Qualifier	Limits
4-Bromofluorobenzene	97		72 - 119
Dibromofluoromethane	99		75 - 126
Toluene-d8 (Surr)	99		64 - 132

Prep Type: Total/NA

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Chain of Custody Record

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

to	1 1016: 000-414-1001 1 87: 000-410-2011						Ī
In	Client Information	Sampler: S/2C		Lab PW: Whitmire, Cheyenne R	Carrier Tracking No(s):	400-114521-37679.1	
nagi	Client Contact: Steve Varsa	Phone: 413 420	1370	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1	
ng:	Company: Startor Consulting Sawines Inc		PWSID:	Analysis Bosinsta	ognosted	Job #:	
5/	Address:	Due Date Requested:				Preservation Codes:	
22/	11311 Aurora Avenue				***		
	City: Des Moines	TAT Requested (days):					
	State, Zip: IA, 50322-7904	∆ Yes	Δ No				
		PO#: WD1040027				G - Amchlor T - TSP Dodecahydrate	ydrate
93 P	Email: steve.varsa@stantec.com	WO#: ERG-STN-10-07-22-SAH-11		(O)		I - Ice J - DI Water	
M	Project Name: Lat L 40.00 SemiAnnual	Project #: 40005479		S2 OL	enietr	grange was	
		SSOW#:		097 097 2 D (A	400-228137 COC oi con	Other:	
	11 - 25		-	ilfered 5 m MS/M BTEX 83 BTEX 83 BTEX - 5	lumber		
	Sample Identification	Sample Date Time	(C=comp, 0=waste/oil, G=grab) BT=Tissue, A=Air)	8560C - 860C -	N isso T	Special Instructions/Note:	
Pa		X		de: XX N A			
age	10-01	10/30/22 6700	(2) Water	er + X - 2	2	Tris Blank	
23	DO-01	3701 72/08/01	Water	le.			
of 2	1-34	10/30/26 0940	() Water	er 2			
25	7 - MW	10/30/22 0928		er -			
	C 3 W		Water	er 2	3		
	J-36	9560 72/08/01	C Water	ξ			
	91718	10/30/22 1002	Water	er	3		
	6-38	110/30/22 10/1	Water	e.			
	シーろに	1013012 1000	Water	()			
	~ ~		Water	e			A commence of the last
	Possible Hazard Identification		loojeolojeo	Sample Disposal (A fee may b	ples are re	ed longer than 1 month)	
	ested: I, II, III, IV, Other (specify)		Nacionagical	Special Instructions/QC Requirements:	וספו בא במני		
	Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time;	200 Company	
1	Relinquished by:	Date/Time:	Company	y Received the	Date/Time:	Сомрапу	
1/7/	Relinquished by:	Date/Time:	Сомрапу	y Received by:	Date/Time:	Company	
2022	Custody Seals Intact: Custody Seal No.: Δ Yes Δ No			Cooler Temperature(s) °C and Other Remarks:	r Remarks: 4,4° _ 2R(~	
2						Ver: 06/08/2021	

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-228137-1

Login Number: 228137 List Source: Eurofins Pensacola

List Number: 1

Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4°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	

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Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 400-228137-1

Project/Site: Lat L 40.00

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	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
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
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
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
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

Eurofins Pensacola

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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

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 202113

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C	7046
1001 Louisiana Street	Action Number:
Houston, TX 77002	202113
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Review of 2022 Annual Groundwater Report: Content satisfactory 1. Proceed with Planned Future Activities as stated in this report. 2. Submit next annual groundwater monitoring report no later than April 1, 2024.	5/22/2023