2024 ANNUAL GROUNDWATER REPORT – Fogelson 4-1

San Juan County, New Mexico

NMOCD Incident No.
nAUTOfAB000192

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ABBREVIATIONS

µg/L	micrograms per liter
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CalClean	CalClean Inc.
cy	cubic yard
BR	Burlington Resources Oil & Gas Company LP
Envirotech	Envirotech, Inc.
EPA	United States Environmental Protection Agency
Eurofins	Eurofins Environment Testing Southeast, LLC
EPCGP	El Paso CGP Company
HVDPE	High-Vacuum Dual Phase Extraction
HydraSleeve	HydraSleeve™
LNAPL	light non-aqueous phase liquid
MDPE	mobile dual-phase extraction
NMOCD	New Mexico Oil Conservation Division
NMOSE	New Mexico Office of the State Engineer
NMWQCC	New Mexico Water Quality Control Commission
SVE	Soil Vapor Extraction
Stantec	Stantec Consulting Services Inc.

1.0 INTRODUCTION

This 2024 Annual Groundwater Report has been prepared on behalf of El Paso CGP Company (EPCGP), a subsidiary of Kinder Morgan, Inc., by Stantec Consulting Services Inc. (Stantec). This report summarizes groundwater sampling and associated activities completed in 2024 at the Fogelson 4-1 site (Site; Meter Code 73220), located at Unit P, Section 4, Township 29 North, Range 11 West, in San Juan County, New Mexico. The location of the Site is Latitude 36.750660, Longitude -107.991560, depicted in Figure 1. The Site has been assigned Incident Number nAUTOfAB000192 by the New Mexico Oil Conservation Division (NMOCD).

2.0 SITE BACKGROUND

Environmental remediation activities at the Site are being 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 NMOCD in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into EPCGP's program methods. The Site was operated by Burlington Resources Oil & Gas Company LP (BR) until January 2014, and the final reclamation was completed by BR in 2016.

The Site is located on Federal land and controlled by the United States Bureau of Land Management. An initial site assessment was completed in March 1994, and an excavation of 65 cubic yards (cy), to a depth of approximately 11 feet below ground surface (bgs), was completed in April 1994. Monitoring wells were installed in 1995 (MW-1, MW-2, and MW-3), 2017 (MW-4, MW-5, MW-6, and MW-7), and 2018 (MW-1R [replaced MW-1], MW-8, and MW-9). Monitoring wells MW-10 and MW-11 were advanced and installed in 2022. One soil boring (SB-12) was also advanced in 2022. A detailed Site history is presented in Appendix A.

A Site Plan map depicting the locations of monitoring wells, soil borings, and current and historical site features is provided as Figure 2. In August 2001 a nutrient injection of an Oxygen Release Compound was completed. Historically, light non-aqueous phase liquid (LNAPL) has been periodically encountered and recovered at the Site. Mobile dual-phase extraction (MDPE) events to evaluate enhancement of LNAPL recovery were conducted in 2018 and 2021. LNAPL is present at the Site, and manual recovery has been performed periodically since 2020. Currently, groundwater sampling of key monitoring wells not containing LNAPL is conducted on a semi-annual basis, and biennially from all EPCGP monitoring wells not containing LNAPL.

3.0 GROUNDWATER SAMPLING ACTIVITIES

Stantec provided field work notifications via email to NMOCD on May 7, 2024, and October 28, 2024, prior to initiating groundwater sampling activities at the Site. Copies of the 2024 NMOCD notifications are provided in Appendix B. On May 14 and November 6, 2024, water levels were gauged at each monitoring well. During both events, groundwater samples were collected from MW-1R, MW-4, MW-7, MW-8, MW-9, and MW-11. During the November 6, 2024 event, groundwater samples were also collected from MW-2, MW-3, MW-5, MW-6, and MW-10. During each sampling event, groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the screened interval.

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

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

4.0 LNAPL RECOVERY

As documented in EPCGP's letter dated January 5, 2021, EPCGP initiated quarterly LNAPL recovery activities in the second calendar quarter of 2020. Documentation of NMOCD notification of site LNAPL recovery activities in 2024 is provided in Appendix B.

LNAPL recovery data is summarized on Table 1. LNAPL was observed and recovered from MW-5 during the March and May recovery events in 2024. During the groundwater sampling site visits in May the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the March site visit was disposed at Envirotech (Appendix C).

Pursuant to the July 1, 2024, Work Plan for Hydrocarbon Recovery Testing Activities (Work Plan), an MDPE (also referred to as High-Vacuum Dual Phase Extraction, HVDPE) event was completed from July 15 to August 15, 2024, by CalClean Inc., of Orange, California (CalClean). The purpose of the MDPE event was to enhance free product recovery from monitoring well MW-5 and remove hydrocarbon mass from other historically impacted locations (MW-1R and MW-10). MDPE is a process combining soil vapor extraction (SVE) with groundwater depression to enhance the removal of liquid and vapor phase

hydrocarbons. CalClean's equipment uses a liquid ring pump to simultaneously extract groundwater, inducing a hydraulic gradient toward the extraction well, and creating groundwater depression to expose the hydrocarbon smear zone to SVE. Recovered liquids were transferred to a portable storage tank for off-site disposal. Recovered vapors were destroyed in the truck-mounted oxidizer operated by CalClean.

CalClean approximates hydrocarbon mass using a Horiba vapor analyzer. To further quantify vapor concentrations, estimate hydrocarbon mass removal during the testing, and confirm destruction efficiency of the oxidizer, vapor samples were periodically collected from the influent and effluent streams at the beginning, midsection, and end of the event. Each sample was analyzed for BTEX constituents by EPA Method TO-15 and TPH by Modified EPA Method TO-3.

Based on field data collected by CalClean, approximately 918.02 gallons of LNAPL was recovered from the Site over the course of the event. CalClean's report summarizing the MDPE event at the Site is presented as Appendix D.

Recovered fluids from the HVDPE events were transported to Agua Moss, LLC in Bloomfield, NM for disposal. Waste disposal documentation is included as Appendix C.

5.0 GROUNDWATER RESULTS

Historical groundwater analytical results and well gauging data are summarized in Tables 2 and 3, respectively. Groundwater analytical data maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2024 groundwater sampling and gauging events. The groundwater analytical lab reports are included as Appendix E. The following summarizes the groundwater monitoring and sampling conducted during this reporting period:

- The groundwater elevations indicate the flow direction at the Site was generally to the northwest during 2024 (see Figures 4 and 6).

- LNAPL was observed in MW-5 and MW-10 during the May 2024 sampling event, therefore, no groundwater samples were collected from these locations. No LNAPL was present in the site monitoring wells during the November 2024 sampling event.

- The groundwater sample collected from MW-5 during the November 2024 sampling event exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Benzene was not detected or was detected below the NMWQCC standard in the remaining groundwater samples collected from site monitoring wells in 2024.

- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or not detected in the Site monitoring wells sampled in 2024.

- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in each of the Site monitoring wells sampled in 2024.

- Concentrations of total xylenes were either below the NMWQCC standard (620 µg/L) or were not detected in each of the Site monitoring wells sampled in 2024.

- Field duplicate samples were collected from monitoring well MW-1R during the May 2024 sampling event and from MW-10 during the November 2024 sampling event. There were no significant differences between concentrations in the primary and duplicate samples.

- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2024 groundwater monitoring events.

6.0 PLANNED FUTURE ACTIVITIES

The post-HVDPE event groundwater sampling results from the November 2024 sampling events indicate site-wide concentrations close to, if not below, applicable NMWQCC standards for BTEX constituents. Therefore, groundwater monitoring events will be conducted on a quarterly basis through 2025 to move the Site towards regulatory closure. Groundwater samples will be collected from monitoring wells and analyzed for BTEX constituents using EPA Method 8260. Monitoring wells historically containing LNAPL, or at locations where TPH concentrations in soil exceeded applicable NMOCD Soil Cleanup Criteria, will also be analyzed at least once for total naphthalene constituents and benzo(a)pyrene using EPA Method 8270.

The activities conducted in 2025 and their results will be summarized in the 2025 Annual Report, to be submitted by April 1, 2026.

TABLES

TABLE 1 – LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

TABLE 2 – GROUNDWATER ANALYTICAL RESULTS

TABLE 3 – GROUNDWATER ELEVATION RESULTS

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

Fogelson 4-1 Com #14						
Well ID - MW-1	**Depth to LNAPL (Feet)**	**Depth to Water (Feet)**	**Measured Thickness (Feet)**	**LNAPL Recovered (gal)**	**Water Recovered (gal)**	**Recovery Type**
Date						
4/16/2016	45.00	45.05	0.05	<0.01	0.01	manual
10/14/2016	45.12	45.12	<0.01	<0.01	0.01	manual
6/10/2017	45.25	45.30	0.05	<0.01	0.01	manual
11/13/2017	45.42	45.43	0.01	<0.01	0.01	manual
5/17/2018	45.48	45.48	<0.01	<0.01	0.01	manual
MW-1 replaced with MW-1R on 9/28/2018						
			Total:	<0.01	0.05	
Well ID - MW-1R						
8/18/2020	47.69	47.69	<0.01	<0.01	0.12	manual
			Total:	0	0.12	
Well ID - MW-5						
11/10/2019	44.87	44.99	0.12	0.08	0.10	manual
5/11/2020	44.84	45.01	0.17	0.46	0.33	manual
8/18/2020	46.03	46.08	0.05	0.05	0.26	manual
11/14/2020	45.06	45.10	0.04	<0.01	0.03	manual
3/17/2021	44.87	45.05	0.18	0.08	0.54	manual
5/22/2021	45.10	45.26	0.16	0.01	0.06	manual
8/27/2021	45.11	45.35	0.24	0.50	20.5	Mobile DPE*
11/14/2021	45.03	45.72	0.69	0.21	0.21	manual
3/22/2022	44.94	45.96	1.02	0.57	0.14	manual
5/21/2022	45.02	45.55	0.53	0.30	0.17	manual
7/29/2022	45.02	45.81	0.79	0.37	0.08	manual
10/30/2022	44.96	46.14	1.18	0.76	0.00	manual
3/30/2023	44.95	46.20	1.25	0.71	0.29	manual
5/18/2023	45.18	45.62	0.44	0.22	0.06	manual
8/31/2023	45.13	45.85	0.72	0.34	0.32	manual
11/8/2023	45.20	45.83	0.63	0.22	0.13	manual
3/26/2024	45.18	46.13	0.95	0.55	0.14	manual
5/14/2024	45.33	45.78	0.45	0.05	0.14	manual
7/15/2024	45.43	45.73	0.30	146.94	60	Mobile DPE**
			Total:	152.42	83.50	
Well ID - MW-10						
11/8/2023	48.68	48.78	0.10	0.02	0.14	manual
3/26/2024	48.72	48.77	0.05	0.01	0.13	manual
5/14/2024	48.78	48.82	0.04	0.01	0.08	manual
			Total:	0.04	0.35	

Notes:

gal = gallons.

DPE = dual phase extraction

* = Mobile Dual Phase Extraction (DPE) includes calculated recovered hydrocarbon vapors.

** = Mobile DPE testing conducted from 7/15/2024 through 8/15/2024. Initial gauging and thickness data shown is from pre-startup. Recovery totals are from continuous testing from MW-1R, MW-5, and MW-10 in various combination for 30 days.

"LNAPL" = light non-aqueous phase liquid

LNAPL recovery data for 2015 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/06/95	1520	1050	907	9180
MW-1	12/06/96	1110	388	713	7730
MW-1	03/10/97	1240	318	850	9050
MW-1	06/06/97	1080	268	747	7700
MW-1	03/30/98	1070	522	789	8430
MW-1	06/04/98	1090	627	837	8880
MW-1	06/15/99	1000	550	770	7800
MW-1	06/19/00	790	280	1100	9300
MW-1	10/02/00	580	600	950	8000
MW-1	12/05/00	420	610	770	6000
MW-1	05/30/01	340	470	710	4800
MW-1	11/26/01	420	330	760	3400
MW-1	05/15/02	430	230	900	6000
MW-1	06/10/02	NS	NS	NS	NS
MW-1	11/04/02	625	370	862	5210
MW-1	05/21/03	339	296	723	4730
MW-1	11/15/03	401	308	755	4700
MW-1	11/16/04	185	59.9	550	2800
MW-1	11/08/05	174	34.3	675	2440
MW-1	11/08/06	206	41.6	694	2460
MW-1	11/29/07	NS	NS	NS	NS
MW-1	01/25/08	NS	NS	NS	NS
MW-1	08/12/08	NS	NS	NS	NS
MW-1	11/07/08	NS	NS	NS	NS
MW-1	02/06/09	NS	NS	NS	NS
MW-1	05/04/09	NS	NS	NS	NS
MW-1	08/26/09	NS	NS	NS	NS
MW-1	11/03/09	230	24.2 J	901	3290
MW-1	02/11/10	NS	NS	NS	NS
MW-1	05/25/10	NS	NS	NS	NS
MW-1	09/24/10	NS	NS	NS	NS
MW-1	11/09/10	198	23.5	840	3170
MW-1	02/01/11	NS	NS	NS	NS
MW-1	05/03/11	NS	NS	NS	NS
MW-1	09/27/11	NS	NS	NS	NS
MW-1	11/16/11	171	3.8 J	818	2770
MW-1	02/16/12	NS	NS	NS	NS
MW-1	05/07/12	NS	NS	NS	NS
MW-1	06/04/13	20	9.3 J	650	2400

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	09/09/13	160	20	760	3200
MW-1	12/13/13	150	41	630	2700
MW-1	04/05/14	4.3	<0.38	20	76
MW-1	10/21/14	200	11	770	3600
MW-1	05/30/15	160	38	810	3700
MW-1	11/18/15	NS	NS	NS	NS
MW-1	04/16/16	NS	NS	NS	NS
MW-1	10/14/16	NS	NS	NS	NS
MW-1	06/10/17	NS	NS	NS	NS
MW-1	11/13/17	NS	NS	NS	NS
MW-1	05/17/18	NS	NS	NS	NS
MW-1 replaced with MW-1R on 9/28/2018					
MW-1R	10/28/18	1.6	<1.0	<1.0	180
MW-1R	05/23/19	2.5	<1.0	<1.0	<10
MW-1R	11/13/19	<1.0	<1.0	<1.0	<10
MW-1R	05/15/20	<1.0	<1.0	<1.0	<10
DUP-01(MW-1R)*	05/15/20	<1.0	<1.0	<1.0	<10
MW-1R	08/18/20	NS	NS	NS	NS
MW-1R	11/14/20	<1.0	<1.0	<1.0	<10
MW-1R	03/17/21	NS	NS	NS	NS
MW-1R	05/22/21	<1.0	<1.0	<1.0	<10
MW-1R	08/27/21	NS	NS	NS	NS
MW-1R	11/14/21	<1.0	<1.0	<1.0	<10
DUP-01(MW-1R)*	11/14/21	<1.0	<1.0	<1.0	<10
MW-1R	03/22/22	NS	NS	NS	NS
MW-1R	05/21/22	NS	NS	NS	NS
MW-1R	07/29/22	NS	NS	NS	NS
MW-1R	10/30/22	<1.0	<1.0	<1.0	<10
MW-1R	05/18/23	<1.0	<1.0	<1.0	<10
MW-1R	11/08/23	<1.0	<1.0	<1.0	<10
DUP-01(MW-1R)*	11/08/23	<1.0	<1.0	<1.0	<10
MW-1R	03/26/24	NS	NS	NS	NS
MW-1R	05/14/24	<1.0	<1.0	<1.0	<10
DUP-01(MW-1R)*	05/14/24	<1.0	<1.0	<1.0	<10
MW-1R	11/06/24	2.4	<1.0	1.9	<10
MW-2	07/27/00	<0.5	<0.5	8.8	<0.5
MW-2	05/30/01	<0.5	<0.5	7.5	1
MW-2	05/15/02	<0.5	<0.5	2	<1

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	11/04/02	NS	NS	NS	NS
MW-2	05/21/03	NS	NS	NS	NS
MW-2	11/15/03	NS	NS	NS	NS
MW-2	11/16/04	NS	NS	NS	NS
MW-2	11/08/05	NS	NS	NS	NS
MW-2	11/08/06	NS	NS	NS	NS
MW-2	11/29/07	NS	NS	NS	NS
MW-2	08/12/08	NS	NS	NS	NS
MW-2	11/07/08	NS	NS	NS	NS
MW-2	02/06/09	NS	NS	NS	NS
MW-2	05/04/09	NS	NS	NS	NS
MW-2	08/26/09	NS	NS	NS	NS
MW-2	11/03/09	NS	NS	NS	NS
MW-2	02/11/10	NS	NS	NS	NS
MW-2	05/25/10	NS	NS	NS	NS
MW-2	09/24/10	NS	NS	NS	NS
MW-2	11/09/10	<2	<2	<2	<6
MW-2	02/01/11	NS	NS	NS	NS
MW-2	05/03/11	NS	NS	NS	NS
MW-2	09/27/11	NS	NS	NS	NS
MW-2	11/16/11	<1	<1	<1	<3
MW-2	02/16/12	NS	NS	NS	NS
MW-2	05/07/12	NS	NS	NS	NS
MW-2	06/04/13	<0.14	<0.30	<0.20	<0.23
MW-2	09/09/13	<0.14	<0.30	<0.20	<0.23
MW-2	12/13/13	<0.20	0.52 J	0.38 J	0.85 J
MW-2	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-2	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-2	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-2	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-2	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-2	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-2	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-2	11/13/17	<1.0	<1.0	<1.0	<10
MW-2	05/17/18	<1.0	<1.0	<1.0	<10
MW-2	10/28/18	<1.0	<1.0	<1.0	<10
MW-2	05/23/19	<1.0	<1.0	<1.0	<10
MW-2	11/13/19	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	05/15/20	NS	NS	NS	NS
MW-2	11/14/20	NS	NS	NS	NS
MW-2	05/22/21	<1.0	<1.0	<1.0	<10
MW-2	08/27/21	NS	NS	NS	NS
MW-2	11/14/21	NS	NS	NS	NS
MW-2	05/21/22	NS	NS	NS	NS
MW-2	05/18/23	<1.0	<1.0	<1.0	<10
MW-2	11/08/23	NS	NS	NS	NS
MW-2	05/14/24	NS	NS	NS	NS
MW-2	11/06/24	<1.0	<1.0	<1.0	<10
MW-3	07/27/00	27	35	170	520
MW-3	05/30/01	1.3	<0.5	40	2.8
MW-3	05/15/02	0.64	<0.5	17	1.2
MW-3	11/04/02	NS	NS	NS	NS
MW-3	05/21/03	<1	<1	18.2	<3
MW-3	11/15/03	NS	NS	NS	NS
MW-3	11/16/04	NS	NS	NS	NS
MW-3	11/08/05	NS	NS	NS	NS
MW-3	11/08/06	NS	NS	NS	NS
MW-3	11/29/07	NS	NS	NS	NS
MW-3	08/12/08	NS	NS	NS	NS
MW-3	11/07/08	NS	NS	NS	NS
MW-3	02/06/09	NS	NS	NS	NS
MW-3	05/04/09	NS	NS	NS	NS
MW-3	08/26/09	NS	NS	NS	NS
MW-3	11/03/09	NS	NS	NS	NS
MW-3	02/11/10	NS	NS	NS	NS
MW-3	05/25/10	NS	NS	NS	NS
MW-3	09/24/10	NS	NS	NS	NS
MW-3	11/09/10	<2	<2	1.9 J	<6
MW-3	02/01/11	NS	NS	NS	NS
MW-3	05/03/11	NS	NS	NS	NS
MW-3	09/27/11	NS	NS	NS	NS
MW-3	11/16/11	<1	<1	0.77 J	<3
MW-3	02/16/12	NS	NS	NS	NS
MW-3	05/07/12	NS	NS	NS	NS
MW-3	06/04/13	<0.14	<0.30	<0.20	<0.23

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	09/09/13	<0.14	<0.30	<0.20	<0.23
MW-3	12/13/13	<0.20	0.56 J	<0.20	<0.65
MW-3	04/05/14	<0.20	<0.38	<0.20	<0.65
MW-3	10/21/14	<0.38	<0.70	0.96 J	<1.6
MW-3	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-3	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-3	04/16/16	<1.0	<5.0	<1.0	<5.0
MW-3	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-3	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-3	11/13/17	<1.0	<1.0	<1.0	<10
MW-3	05/17/18	<1.0	<1.0	<1.0	<10
MW-3	10/28/18	<1.0	<1.0	<1.0	<10
MW-3	05/23/19	<1.0	<1.0	<1.0	<10
MW-3	11/13/19	NS	NS	NS	NS
MW-3	05/15/20	NS	NS	NS	NS
MW-3	11/14/20	NS	NS	NS	NS
MW-3	05/22/21	<1.0	<1.0	<1.0	<10
MW-3	08/27/21	NS	NS	NS	NS
MW-3	11/14/21	NS	NS	NS	NS
MW-3	05/21/22	NS	NS	NS	NS
MW-3	05/18/23	<1.0	<1.0	<1.0	<10
MW-3	11/08/23	NS	NS	NS	NS
MW-3	05/14/24	NS	NS	NS	NS
MW-3	11/06/24	<1.0	<1.0	<1.0	<10
MW-4	06/10/17	2.8	<5.0	76	<5.0
MW-4	11/13/17	2.6	<1.0	60	<10
MW-4	05/17/18	1.3	<1.0	35	<10
MW-4	10/28/18	1.5	<1.0	31	<10
MW-4	05/23/19	<1.0	<1.0	2.1	<10
DUP-01(MW-4)*	05/23/19	<1.0	<1.0	1.3	<10
MW-4	11/13/19	<1.0	<1.0	2.7	<10
DUP-01(MW-4)*	11/13/19	<1.0	<1.0	2.7	<10
MW-4	05/15/20	<1.0	<1.0	<1.0	<10
MW-4	11/14/20	<1.0	<1.0	<1.0	<10
MW-4	05/22/21	<1.0	<1.0	<1.0	<10
MW-4	08/27/21	NS	NS	NS	NS
MW-4	11/14/21	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	05/21/22	<1.0	<1.0	<1.0	<10
MW-4	05/18/23	<1.0	<1.0	<1.0	<10
MW-4	11/08/23	<1.0	<1.0	<1.0	<10
MW-4	05/14/24	<1.0	<1.0	<1.0	<10
MW-4	11/06/24	<1.0	<1.0	<1.0	<10
MW-5	06/10/17	24	<10	2.4	120
MW-5	11/13/17	24	<2.0	210	<20
MW-5	05/17/18	25	<2.0	280	<20
MW-5	10/28/18	25	<1.0	290	<10
DUP-01(MW-5)*	10/28/18	24	<1.0	260	<10
MW-5	05/23/19	24	<2.0	310	<20
MW-5	11/13/19	NS	NS	NS	NS
MW-5	05/15/20	NS	NS	NS	NS
MW-5	08/18/20	NS	NS	NS	NS
MW-5	11/14/20	NS	NS	NS	NS
MW-5	03/17/21	NS	NS	NS	NS
MW-5	05/22/21	NS	NS	NS	NS
MW-5	08/27/21	NS	NS	NS	NS
MW-5	11/14/21	NS	NS	NS	NS
MW-5	03/22/22	NS	NS	NS	NS
MW-5	05/21/22	NS	NS	NS	NS
MW-5	07/29/22	NS	NS	NS	NS
MW-5	05/18/23	NS	NS	NS	NS
MW-5	11/08/23	NS	NS	NS	NS
MW-5	05/14/24	NS	NS	NS	NS
MW-5	11/06/24	12	<1.0	<1.0	520
MW-6	06/10/17	<1.0	<5.0	<1.0	<5.0
MW-6	11/13/17	<1.0	<1.0	<1.0	<10
MW-6	05/17/18	1.7	<1.0	<1.0	<10
MW-6	10/28/18	<1.0	<1.0	<1.0	<10
MW-6	05/23/19	<1.0	<1.0	<1.0	<10
MW-6	11/13/19	<1.0	<1.0	<1.0	<10
MW-6	05/15/20	<1.0	<1.0	<1.0	<10
MW-6	11/14/20	<1.0	1.2	<1.0	<10
MW-6	05/22/21	<1.0	<1.0	<1.0	<10
MW-6	08/27/21	NS	NS	NS	NS
MW-6	11/14/21	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	05/21/22	<1.0	<1.0	<1.0	<10
MW-6	05/18/23	<1.0	<1.0	<1.0	<10
MW-6	11/08/23	NS	NS	NS	NS
MW-6	05/14/24	NS	NS	NS	NS
MW-6	11/06/24	<1.0	<1.0	<1.0	<10
MW-7	06/10/17	130	<10	150	580
MW-7	11/13/17	83	<1.0	110	96
MW-7	05/17/18	61	<1.0	89	21
DUP-01(MW-7)*	05/17/18	63	<1.0	97	23
MW-7	10/28/18	50	<1.0	58	<10
MW-7	05/23/19	53	<1.0	62	<10
MW-7	11/13/19	18	<1.0	24	<10
MW-7	05/15/20	12	<1.0	16	<10
MW-7	11/14/20	12	<1.0	17	<10
DUP-01(MW-7)*	11/14/20	14	<1.0	23	<10
MW-7	05/22/21	9.0	<1.0	9.0	<10
DUP-01(MW-7)*	05/22/21	9.1	<1.0	9.0	<10
MW-7	08/27/21	NS	NS	NS	NS
MW-7	11/14/21	8.7	<1.0	6.4	<10
MW-7	05/21/22	5.1	<1.0	1.9	<10
DUP-01(MW-7)*	05/21/22	4.6	<1.0	1.3	<10
MW-7	10/30/22	9.0	<1.0	2.1	<10
MW-7	05/18/23	8.3	<1.0	4.3	<10
MW-7	11/08/23	6.3	<1.0	1.0	<10
MW-7	05/14/24	10	<1.0	2.3	<10
MW-7	11/06/24	7.5	<1.0	<1.0	<10
MW-8	10/28/18	1.7	<1.0	1.2	<10
MW-8	05/23/19	2.7	<1.0	1.1	<10
MW-8	11/13/19	1.8	<1.0	<1.0	<10
MW-8	05/15/20	<1.0	<1.0	<1.0	<10
MW-8	11/14/20	1.1	<1.0	<1.0	<10
MW-8	05/22/21	1.4	<1.0	3.0	<10
MW-8	08/27/21	NS	NS	NS	NS
MW-8	11/14/21	1.4	<1.0	<1.0	<10
MW-8	05/21/22	<1.0	<1.0	<1.0	<10
MW-8	05/18/23	<1.0	<1.0	<1.0	<10
MW-8	11/08/23	<1.0	<1.0	<1.0	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

Fogelson 4-1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-8	05/14/24	<1.0	<1.0	<1.0	<10
MW-8	11/06/24	<1.0	<1.0	<1.0	<10
MW-9	10/28/18	<1.0	<1.0	<1.0	<10
MW-9	05/23/19	<1.0	<1.0	<1.0	<10
MW-9	11/13/19	<1.0	<1.0	<1.0	<10
MW-9	05/15/20	<1.0	<1.0	<1.0	<10
MW-9	11/14/20	<1.0	<1.0	<1.0	<10
MW-9	05/22/21	<1.0	<1.0	<1.0	<10
MW-9	08/27/21	NS	NS	NS	NS
MW-9	11/14/21	<1.0	<1.0	<1.0	<10
MW-9	05/21/22	<1.0	<1.0	<1.0	<10
MW-9	05/18/23	<1.0	<1.0	<1.0	<10
MW-9	11/08/23	<1.0	<1.0	<1.0	<10
MW-9	05/14/24	<1.0	<1.0	<1.0	<10
MW-9	11/06/24	<1.0	<1.0	<1.0	<10
MW-10	05/21/22	69	11	880	3100
MW-10	05/18/23	19	<1.0	510	370
DUP-01(MW-10)*	05/18/23	19	<1.0	520	380
MW-10	11/08/23	NS	NS	NS	NS
MW-10	03/26/24	NS	NS	NS	NS
MW-10	05/14/24	NS	NS	NS	NS
MW-10	11/06/24	1.9	<1.0	21	240
DUP-01(MW-10)*	11/06/24	1.7	<1.0	17	250
MW-11	05/18/23	<1.0	<1.0	<1.0	<10
MW-11	11/08/23	<1.0	<1.0	<1.0	<10
MW-11	03/26/24	NS	NS	NS	NS
MW-11	05/14/24	<1.0	<1.0	<1.0	<10
MW-11	11/06/24	<1.0	<1.0	<1.0	<10

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

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/06/95	5784.77	NR	39.99		5744.78
MW-1	12/06/96	5784.77	NR	40.74		5744.03
MW-1	03/10/97	5784.77	NR	41.23		5743.54
MW-1	06/06/97	5784.77	NR	41.44		5743.33
MW-1	03/30/98	5784.77	NR	41.08		5743.69
MW-1	06/04/98	5784.77	NR	41.02		5743.75
MW-1	06/15/99	5784.77	NR	41.88		5742.89
MW-1	06/19/00	5784.77	NR	40.17		5744.60
MW-1	10/02/00	5784.77	NR	40.22		5744.55
MW-1	12/05/00	5784.77	NR	40.09		5744.68
MW-1	05/30/01	5784.77	NR	40.54		5744.23
MW-1	11/26/01	5784.77	NR	41.00		5743.77
MW-1	05/15/02	5784.77	NR	41.37		5743.40
MW-1	06/10/02	5784.77	NR	41.54		5743.23
MW-1	11/04/02	5784.77	NR	41.90		5742.88
MW-1	05/21/03	5784.77	ND	41.57		5743.20
MW-1	11/15/03	5784.77	ND	41.00		5743.77
MW-1	11/16/04	5784.77	ND	40.10		5744.67
MW-1	11/08/05	5784.77	ND	40.68		5744.09
MW-1	11/08/06	5784.77	ND	42.16		5742.61
MW-1	11/29/07	5784.77	ND	42.16		5742.61
MW-1	01/25/08	5784.77	43.00	43.10	0.10	5741.75
MW-1	08/12/08	5784.77	ND	43.14		5741.63
MW-1	11/07/08	5784.77	43.24	43.32	0.08	5741.51
MW-1	02/06/09	5784.77	ND	43.12		5741.65
MW-1	05/04/09	5784.77	ND	43.22		5741.55
MW-1	08/26/09	5784.77	43.46	43.53	0.07	5741.29
MW-1	11/03/09	5784.77	ND	43.52		5741.25
MW-1	02/11/10	5784.77	ND	43.64		5741.13
MW-1	05/25/10	5784.77	ND	43.75		5741.02
MW-1	09/24/10	5784.77	ND	43.95		5740.82
MW-1	11/09/10	5784.77	43.88	43.89	0.01	5740.89
MW-1	02/01/11	5784.77	ND	44.03		5740.74
MW-1	05/03/11	5784.77	ND	44.14		5740.63
MW-1	09/27/11	5784.77	ND	44.30		5740.47
MW-1	11/16/11	5784.77	ND	44.33		5740.44
MW-1	02/16/12	5784.77	ND	44.43		5740.34
MW-1	05/07/12	5784.77	ND	44.50		5740.27
MW-1	06/04/13	5784.77	ND	44.75		5740.02
MW-1	09/09/13	5784.77	ND	44.87		5739.90
MW-1	12/13/13	5784.77	ND	44.85		5739.92

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	04/05/14	5784.77	ND	44.75		5740.02
MW-1	10/21/14	5784.77	ND	44.86		5739.91
MW-1	05/30/15	5784.77	ND	44.81		5739.96
MW-1	11/18/15	5784.77	44.91	44.91	<0.01	5739.86
MW-1	04/16/16	5784.77	45.00	45.05	0.05	5739.76
MW-1	10/14/16	5784.77	45.12	45.12	<0.01	5739.65
MW-1	06/10/17	5784.77	45.25	45.30	0.05	5739.51
MW-1	11/13/17	5784.77	45.42	45.43	0.01	5739.35
MW-1	05/05/18	5784.77	ND	45.49		5739.28
MW-1	05/17/18	5784.77	45.48	45.48	<0.01	5739.29
MW-1 replaced with MW-1R on 9/28/2018						
MW-1R	10/28/18	5784.02	ND	48.27		5735.75
MW-1R	05/23/19	5784.02	ND	47.00		5737.02
MW-1R	11/13/19	5784.02	ND	47.32		5736.70
MW-1R	05/15/20	5784.02	ND	47.32		5736.70
MW-1R	08/18/20	5784.02	47.69	47.69	<0.01	5736.33
MW-1R	11/14/20	5784.02	ND	47.45		5736.57
MW-1R	03/17/21	5784.02	ND	47.46		5736.56
MW-1R	05/22/21	5784.02	ND	47.56		5736.46
MW-1R	08/27/21	5784.02	ND	47.70		5736.32
MW-1R	11/14/21	5784.02	ND	47.84		5736.18
MW-1R	03/22/22	5784.02	ND	47.65		5736.37
MW-1R	05/21/22	5784.02	ND	47.70		5736.32
MW-1R	07/29/22	5784.02	ND	47.95		5736.07
MW-1R	10/30/22	5784.02	ND	47.99		5736.03
MW-1R	05/18/23	5784.02	ND	48.05		5735.97
MW-1R	08/31/23	5784.02	ND	48.12		5735.90
MW-1R	11/08/23	5784.02	ND	48.09		5735.93
MW-1R	03/26/24	5784.02	ND	47.99		5736.03
MW-1R	05/14/24	5784.02	ND	48.18		5735.84
MW-1R	07/15/24	5784.02	ND	48.44		5735.58
MW-1R	08/15/24	5784.02	ND	45.11		5738.91
MW-1R	08/26/24	5784.02	ND	48.23		5735.79
MW-1R	11/06/24	5784.02	ND	48.05		5735.97
MW-2	07/27/00	5780.03	NR	38.25		5741.78
MW-2	05/30/01	5780.03	NR	38.17		5741.86
MW-2	05/15/02	5780.03	NR	38.56		5741.47
MW-2	11/04/02	5780.03	NR	38.99		5741.05
MW-2	05/21/03	5780.03	ND	39.24		5740.79

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	11/15/03	5780.03	ND	38.70		5741.34
MW-2	11/16/04	5780.03	ND	37.40		5742.63
MW-2	11/08/05	5780.03	ND	37.76		5742.27
MW-2	11/08/06	5780.03	ND	38.65		5741.38
MW-2	11/29/07	5780.03	ND	39.67		5740.36
MW-2	08/12/08	5780.03	ND	39.75		5740.28
MW-2	11/07/08	5780.03	ND	39.97		5740.06
MW-2	02/06/09	5780.03	ND	39.73		5740.30
MW-2	05/04/09	5780.03	ND	39.83		5740.20
MW-2	08/26/09	5780.03	ND	40.19		5739.84
MW-2	11/03/09	5780.03	ND	40.32		5739.71
MW-2	02/11/10	5780.03	ND	40.17		5739.86
MW-2	05/25/10	5780.03	ND	40.40		5739.63
MW-2	09/24/10	5780.03	ND	40.74		5739.29
MW-2	11/09/10	5780.03	ND	40.35		5739.68
MW-2	02/01/11	5780.03	ND	40.39		5739.64
MW-2	05/03/11	5780.03	ND	40.96		5739.07
MW-2	09/27/11	5780.03	ND	41.05		5738.98
MW-2	11/16/11	5780.03	ND	41.07		5738.96
MW-2	02/16/12	5780.03	ND	41.15		5738.88
MW-2	05/07/12	5780.03	ND	41.15		5738.88
MW-2	06/04/13	5780.03	ND	41.54		5738.49
MW-2	09/09/13	5780.03	ND	41.64		5738.39
MW-2	12/13/13	5780.03	ND	41.66		5738.37
MW-2	04/05/14	5780.03	ND	41.64		5738.39
MW-2	10/21/14	5780.03	ND	41.93		5738.10
MW-2	05/30/15	5780.03	ND	42.10		5737.93
MW-2	11/18/15	5780.03	ND	42.03		5738.00
MW-2	04/16/16	5780.03	ND	42.01		5738.02
MW-2	10/14/16	5780.03	ND	42.38		5737.65
MW-2	06/10/17	5780.03	ND	42.08		5737.95
MW-2	11/13/17	5780.03	ND	42.24		5737.79
MW-2	05/17/18	5780.03	ND	42.12		5737.91
MW-2	10/28/18	5780.03	ND	42.51		5737.52
MW-2	05/23/19	5780.03	ND	42.31		5737.72
MW-2	11/13/19	5780.03	ND	42.58		5737.45
MW-2	05/15/20	5780.03	ND	42.64		5737.39
MW-2	11/14/20	5780.03	ND	42.78		5737.25
MW-2	05/22/21	5780.03	ND	42.90		5737.13
MW-2	08/27/21	5780.03	ND	42.99		5737.04
MW-2	11/14/21	5780.03	ND	43.11		5736.92

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	05/21/22	5780.03	ND	43.07		5736.96
MW-2	10/30/22	5780.03	ND	43.18		5736.85
MW-2	05/18/23	5780.03	ND	43.23		5736.80
MW-2	11/08/23	5780.03	ND	43.39		5736.64
MW-2	05/14/24	5780.03	ND	43.44		5736.59
MW-2	11/06/24	5780.03	ND	43.54		5736.49
MW-3	07/27/00	5780.83	NR	41.21		5739.62
MW-3	05/30/01	5780.83	NR	40.77		5740.06
MW-3	05/15/02	5780.83	NR	41.14		5739.69
MW-3	11/04/02	5780.83	NR	41.48		5739.35
MW-3	05/21/03	5780.83	ND	41.71		5739.12
MW-3	11/15/03	5780.83	ND	41.30		5739.53
MW-3	11/16/04	5780.83	ND	40.10		5740.73
MW-3	11/08/05	5780.83	ND	40.71		5740.12
MW-3	11/08/06	5780.83	ND	41.47		5739.36
MW-3	11/29/07	5780.83	43.01	43.10	0.09	5737.80
MW-3	08/12/08	5780.83	ND	42.47		5738.36
MW-3	11/07/08	5780.83	ND	42.69		5738.14
MW-3	02/06/09	5780.83	ND	42.47		5738.36
MW-3	05/04/09	5780.83	ND	42.50		5738.33
MW-3	08/26/09	5780.83	ND	42.90		5737.93
MW-3	11/03/09	5780.83	ND	43.03		5737.80
MW-3	02/11/10	5780.83	ND	42.79		5738.04
MW-3	05/25/10	5780.83	ND	42.97		5737.86
MW-3	09/24/10	5780.83	ND	43.25		5737.58
MW-3	11/09/10	5780.83	ND	42.97		5737.86
MW-3	02/01/11	5780.83	ND	42.82		5738.01
MW-3	05/03/11	5780.83	ND	43.41		5737.42
MW-3	09/27/11	5780.83	ND	43.40		5737.43
MW-3	11/16/11	5780.83	ND	43.36		5737.47
MW-3	02/16/12	5780.83	ND	43.41		5737.42
MW-3	05/07/12	5780.83	ND	43.46		5737.37
MW-3	06/04/13	5780.83	ND	43.82		5737.01
MW-3	09/09/13	5780.83	ND	43.93		5736.90
MW-3	12/13/13	5780.83	ND	43.93		5736.90
MW-3	04/05/14	5780.83	ND	43.88		5736.95
MW-3	10/21/14	5780.83	ND	44.16		5736.67
MW-3	05/30/15	5780.83	ND	44.31		5736.52
MW-3	11/18/15	5780.83	ND	44.18		5736.65
MW-3	04/16/16	5780.83	ND	44.10		5736.73

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	10/14/16	5780.83	ND	44.58		5736.25
MW-3	06/10/17	5780.83	ND	44.25		5736.58
MW-3	11/13/17	5780.83	ND	44.44		5736.39
MW-3	05/17/18	5780.83	ND	44.32		5736.51
MW-3	10/28/18	5780.83	ND	44.67		5736.16
MW-3	05/23/19	5780.83	ND	44.37		5736.46
MW-3	11/13/19	5780.83	ND	44.70		5736.13
MW-3	05/15/20	5780.83	ND	44.72		5736.11
MW-3	11/14/20	5780.83	ND	44.85		5735.98
MW-3	05/22/21	5780.83	ND	45.09		5735.74
MW-3	08/27/21	5780.83	ND	45.22		5735.61
MW-3	11/14/21	5780.83	ND	45.30		5735.53
MW-3	05/21/22	5780.83	ND	45.30		5735.53
MW-3	10/30/22	5780.83	ND	45.34		5735.49
MW-3	05/18/23	5780.83	ND	45.32		5735.51
MW-3	11/08/23	5780.83	ND	45.45		5735.38
MW-3	05/14/24	5780.83	ND	45.48		5735.35
MW-3	11/06/24	5780.83	ND	45.46		5735.37
MW-4	06/10/17	5782.14	ND	46.36		5735.78
MW-4	11/13/17	5782.14	ND	46.49		5735.65
MW-4	05/17/18	5782.14	ND	46.49		5735.65
MW-4	10/28/18	5782.14	ND	46.74		5735.40
MW-4	05/23/19	5782.14	ND	46.67		5735.47
MW-4	11/13/19	5782.14	ND	46.75		5735.39
MW-4	05/15/20	5782.14	ND	46.83		5735.31
MW-4	11/14/20	5782.14	ND	46.95		5735.19
MW-4	05/22/21	5782.14	ND	47.03		5735.11
MW-4	08/27/21	5782.14	ND	47.05		5735.09
MW-4	11/14/21	5782.14	ND	47.07		5735.07
MW-4	05/21/22	5782.14	ND	47.13		5735.01
MW-4	10/30/22	5782.14	ND	47.12		5735.02
MW-4	05/18/23	5782.14	ND	47.12		5735.02
MW-4	11/08/23	5782.14	ND	47.39		5734.75
MW-4	05/14/24	5782.14	ND	47.42		5734.72
MW-4	07/15/24	5782.14	ND	47.74		5734.40
MW-4	11/06/24	5782.14	ND	47.66		5734.48
MW-5	06/10/17	5780.92	ND	44.21		5736.71
MW-5	11/13/17	5780.92	ND	44.49		5736.43
MW-5	05/17/18	5780.92	ND	44.56		5736.36

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	10/28/18	5780.92	ND	44.74		5736.18
MW-5	05/23/19	5780.92	ND	44.73		5736.19
MW-5	11/13/19	5780.92	44.87	44.99	0.12	5736.02
MW-5	05/15/20	5780.92	44.84	45.01	0.17	5736.04
MW-5	08/18/20	5780.92	46.03	46.08	0.05	5734.88
MW-5	11/14/20	5780.92	45.06	45.10	0.04	5735.85
MW-5	03/17/21	5780.92	44.87	45.05	0.18	5736.01
MW-5	05/22/21	5780.92	45.10	45.26	0.16	5735.78
MW-5	08/27/21	5780.92	45.11	45.35	0.24	5735.75
MW-5	11/14/21	5780.92	45.03	45.72	0.69	5735.72
MW-5	03/22/22	5780.92	44.94	45.96	1.02	5735.73
MW-5	05/21/22	5780.92	45.02	45.55	0.53	5735.77
MW-5	07/29/22	5780.92	45.02	45.81	0.79	5735.70
MW-5	10/30/22	5780.92	44.96	46.14	1.18	5735.67
MW-5	03/30/23	5780.92	44.95	46.20	1.25	5735.66
MW-5	05/18/23	5780.92	45.18	45.62	0.44	5735.63
MW-5	08/31/23	5780.92	45.13	45.85	0.72	5735.61
MW-5	11/08/23	5780.92	45.20	45.83	0.63	5735.56
MW-5	03/26/24	5780.92	45.18	46.13	0.95	5735.50
MW-5	05/14/24	5780.92	45.33	45.78	0.45	5735.48
MW-5	07/15/24	5780.92	45.43	45.73	0.30	5735.42
MW-5	08/15/24	5780.92	ND	52.88		5728.04
MW-5	08/26/24	5780.92	ND	45.86		5735.06
MW-5	11/06/24	5780.92	ND	45.68		5735.24
MW-6	06/10/17	5783.82	ND	47.78		5736.04
MW-6	11/13/17	5783.82	ND	48.03		5735.79
MW-6	05/17/18	5783.82	ND	47.85		5735.97
MW-6	10/28/18	5783.82	ND	48.11		5735.71
MW-6	05/23/19	5783.82	ND	47.48		5736.34
MW-6	11/13/19	5783.82	ND	47.92		5735.90
MW-6	05/15/20	5783.82	ND	47.85		5735.97
MW-6	11/14/20	5783.82	ND	47.94		5735.88
MW-6	05/22/21	5783.82	ND	48.06		5735.76
MW-6	08/27/21	5783.82	ND	48.20		5735.62
MW-6	11/14/21	5783.82	ND	48.37		5735.45
MW-6	05/21/22	5783.82	ND	48.19		5735.63
MW-6	10/30/22	5783.82	ND	48.38		5735.44
MW-6	05/18/23	5783.82	ND	48.43		5735.39
MW-6	11/08/23	5783.82	ND	48.49		5735.33

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	05/14/24	5783.82	ND	48.51		5735.31
MW-6	11/06/24	5783.82	ND	48.48		5735.34
MW-7	06/10/17	5783.95	ND	43.89		5740.06
MW-7	11/13/17	5783.95	ND	44.09		5739.86
MW-7	05/17/18	5783.95	ND	44.12		5739.83
MW-7	10/28/18	5783.95	ND	44.30		5739.65
MW-7	05/23/19	5783.95	ND	44.33		5739.62
MW-7	11/13/19	5783.95	ND	44.51		5739.44
MW-7	05/15/20	5783.95	ND	44.60		5739.35
MW-7	11/14/20	5783.95	ND	44.76		5739.19
MW-7	05/22/21	5783.95	ND	44.84		5739.11
MW-7	08/27/21	5783.95	ND	44.90		5739.05
MW-7	11/14/21	5783.95	ND	44.96		5738.99
MW-7	05/21/22	5783.95	ND	45.00		5738.95
MW-7	10/30/22	5783.95	ND	45.14		5738.81
MW-7	05/18/23	5783.95	ND	45.22		5738.73
MW-7	11/08/23	5783.95	ND	45.37		5738.58
MW-7	05/14/24	5784.95	ND	45.46		5739.49
MW-7	11/06/24	5785.95	ND	45.61		5740.34
MW-8	10/28/18	5784.44	ND	43.30		5741.14
MW-8	05/23/19	5784.44	ND	42.65		5741.79
MW-8	11/13/19	5784.44	ND	42.65		5741.79
MW-8	05/15/20	5784.44	ND	42.54		5741.90
MW-8	11/14/20	5784.44	ND	42.88		5741.56
MW-8	05/22/21	5784.44	ND	44.05		5740.39
MW-8	08/27/21	5784.44	ND	44.22		5740.22
MW-8	11/14/21	5784.44	ND	44.51		5739.93
MW-8	05/21/22	5784.44	ND	44.39		5740.05
MW-8	10/30/22	5784.44	ND	44.28		5740.16
MW-8	05/18/23	5784.44	ND	44.45		5739.99
MW-8	11/08/23	5784.44	ND	44.64		5739.80
MW-8	05/14/24	5784.44	ND	44.86		5739.58
MW-8	11/06/24	5784.44	ND	44.95		5739.49
MW-9	10/28/18	5784.19	ND	49.66		5734.53
MW-9	05/23/19	5784.19	ND	49.41		5734.78
MW-9	11/13/19	5784.19	ND	49.48		5734.71
MW-9	05/15/20	5784.19	ND	49.52		5734.67
MW-9	11/14/20	5784.19	ND	49.61		5734.58
MW-9	05/22/21	5784.19	ND	49.85		5734.34

TABLE 3 - GROUNDWATER ELEVATION RESULTS

Fogelson 4-1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-9	08/27/21	5784.19	ND	49.67		5734.52
MW-9	11/14/21	5784.19	ND	49.71		5734.48
MW-9	05/21/22	5784.19	ND	49.72		5734.47
MW-9	10/30/22	5784.19	ND	49.71		5734.48
MW-9	05/18/23	5784.19	ND	49.69		5734.50
MW-9	11/08/23	5784.19	ND	49.82		5734.37
MW-9	05/14/24	5784.19	ND	49.77		5734.42
MW-9	07/15/24	5784.19	ND	49.96		5734.23
MW-9	11/06/24	5784.19	ND	49.88		5734.31
MW-10	05/21/22	5783.11	ND	48.72		5734.39
MW-10	10/30/22	5783.11	ND	48.50		5734.61
MW-10	05/18/23	5783.11	ND	48.58		5734.53
MW-10	11/08/23	5783.11	48.68	48.78	0.10	5734.41
MW-10	03/26/24	5783.11	48.72	48.77	0.05	5734.38
MW-10	05/14/24	5783.11	48.78	48.82	0.04	5734.32
MW-10	07/15/24	5783.11	49.14	49.23	0.09	5733.95
MW-10	08/15/24	5783.11	ND	57.47		5725.64
MW-10	08/26/24	5783.11	ND	55.72		5727.39
MW-10	11/06/24	5783.11	ND	50.42		5732.69
MW-11	10/30/22	5782.08	ND	57.33		5724.75
MW-11	05/18/23	5782.08	ND	50.18		5731.90
MW-11	11/08/23	5782.08	ND	50.16		5731.92
MW-11	03/26/24	5782.08	ND	50.11		5731.97
MW-11	05/14/24	5782.08	ND	50.14		5731.94
MW-11	07/15/24	5782.08	ND	50.19		5731.89
MW-11	11/06/24	5782.08	ND	50.19		5731.89

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

FIGURES

FIGURE 1: SITE LOCATION

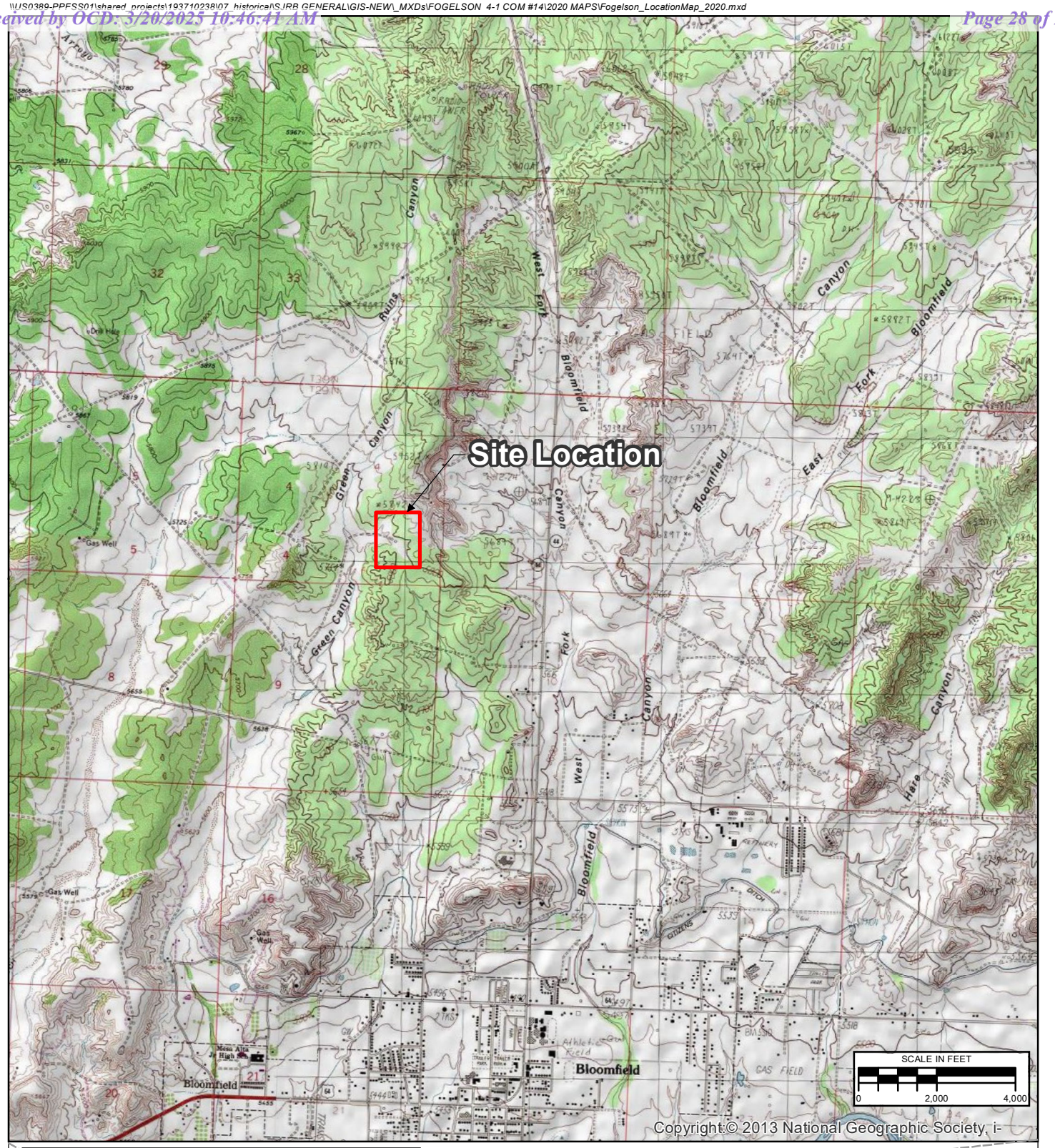
FIGURE 2: SITE PLAN

FIGURE 3: GROUNDWATER ANALYTICAL RESULTS – MAY 14, 2024

FIGURE 4: GROUNDWATER ELEVATION MAP – MAY 14, 2024

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS – NOVEMBER 6, 2024

FIGURE 6: GROUNDWATER ELEVATION MAP – NOVEMBER 6, 2024



N

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

TITLE

SITE LOCATION

Stantec

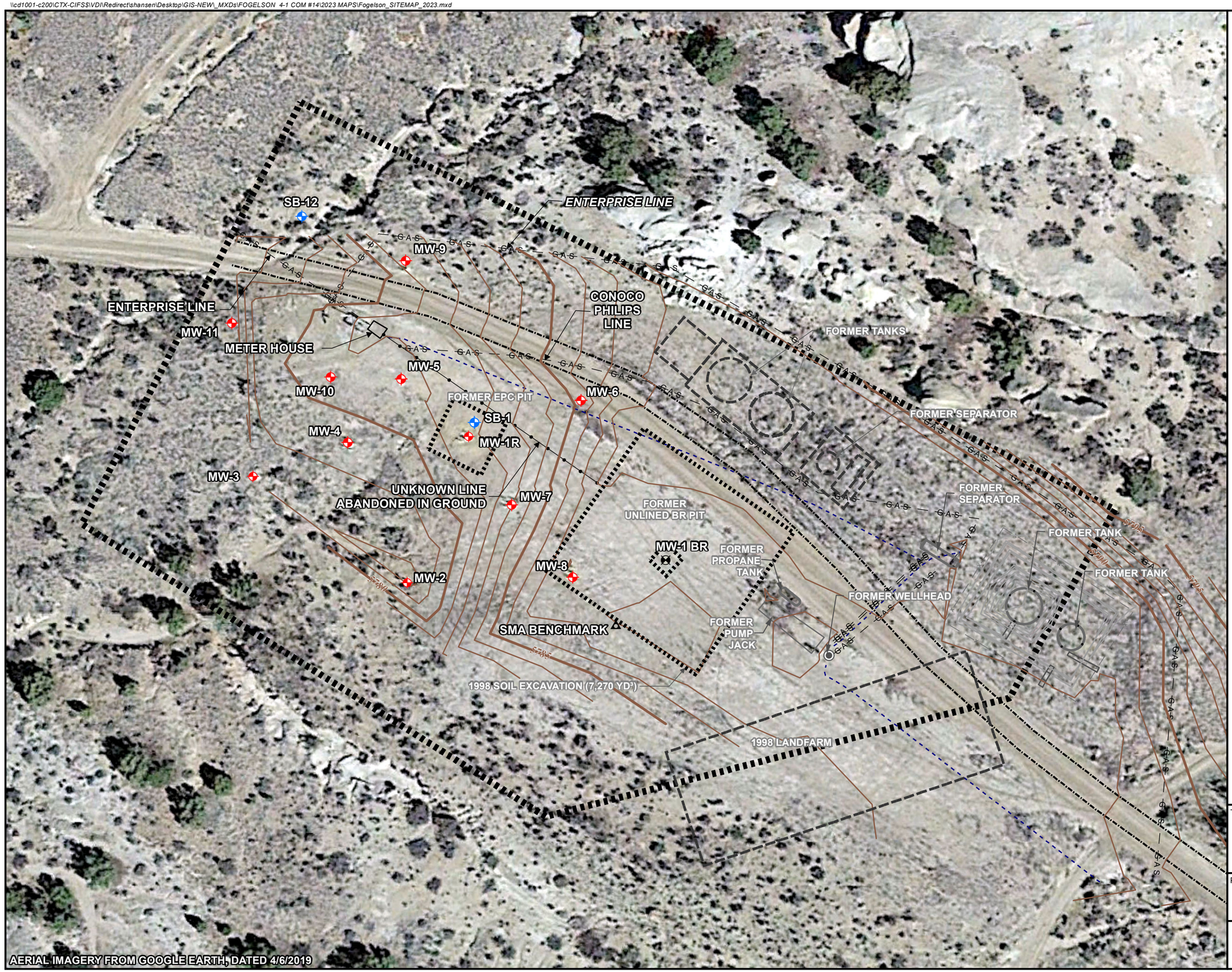
PROJECT

FOGELSON 4-1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE

1

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FOGELSON 4-1 COM #14\2023 MAPS\Fogelson_SITEMAP_2023.mxd



LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT OR EXCAVATION
- GAS — GAS LINE
- UNDERGROUND CABLE
- RIGHT OF WAY BOUNDARY
- MONITORING WELL
- SOIL BORING
- FORMER WELLHEAD
- SMA BENCHMARK
- FORMER MONITORING WELL (NOT EPCGP-OWNED)

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-28	SAH	SAH	SRV

TITLE:

SITE PLAN

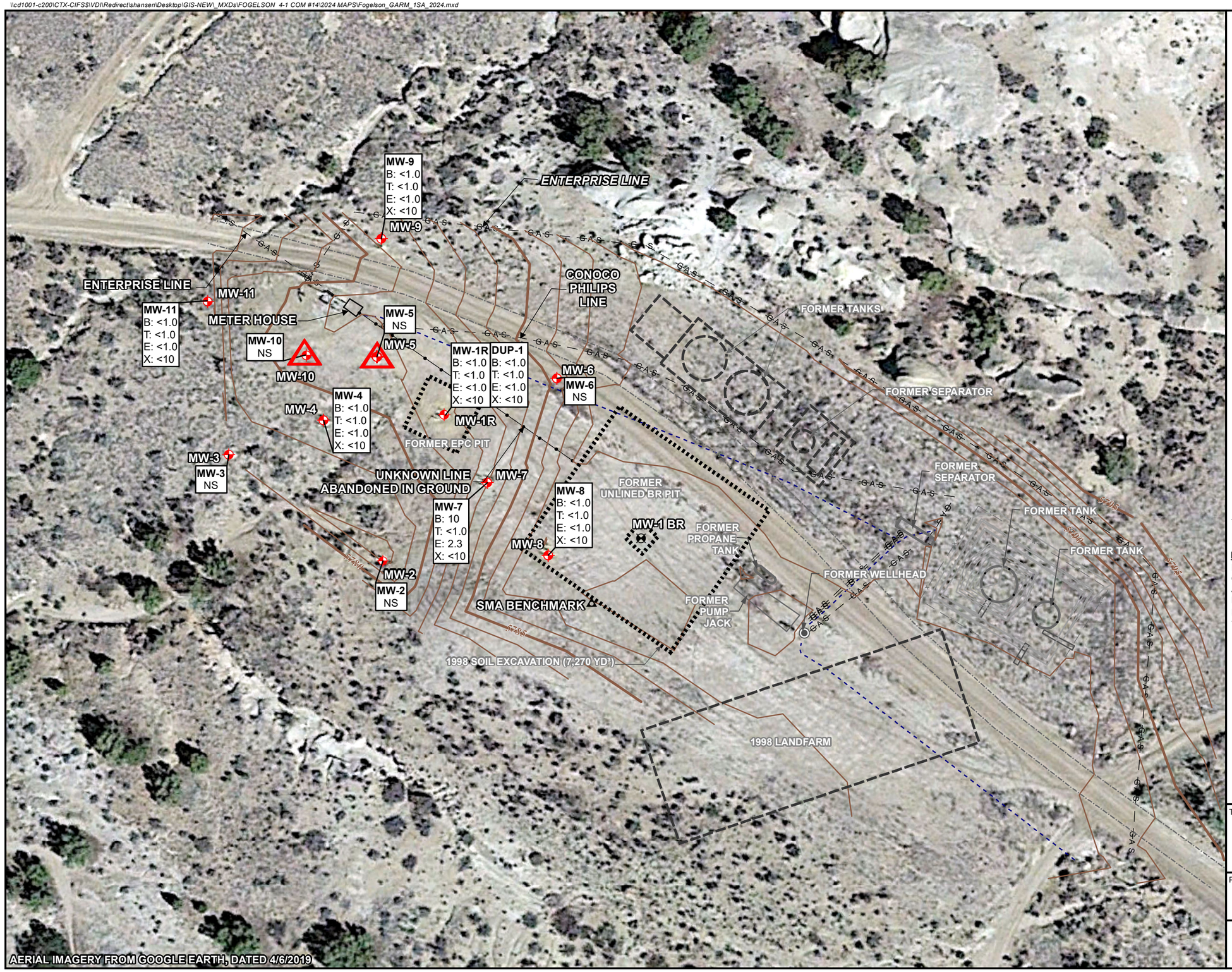
PROJECT:

FOGELSON 4-1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FOGELSON 4-1 COM #14\2024 MAPS\Fogelson_GARM_1SA_2024.mxd



LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT OR EXCAVATION
- GAS — GAS LINE
- UNDERGROUND CABLE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- FORMER WELLHEAD
- SMA BENCHMARK
- FORMER MONITORING WELL (NOT EPCGP-OWNED)

NOTES:

DUP = FIELD DUPLICATE SAMPLE
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2025-01-22	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 14, 2024

PROJECT:

FOGELSON 4-1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 3

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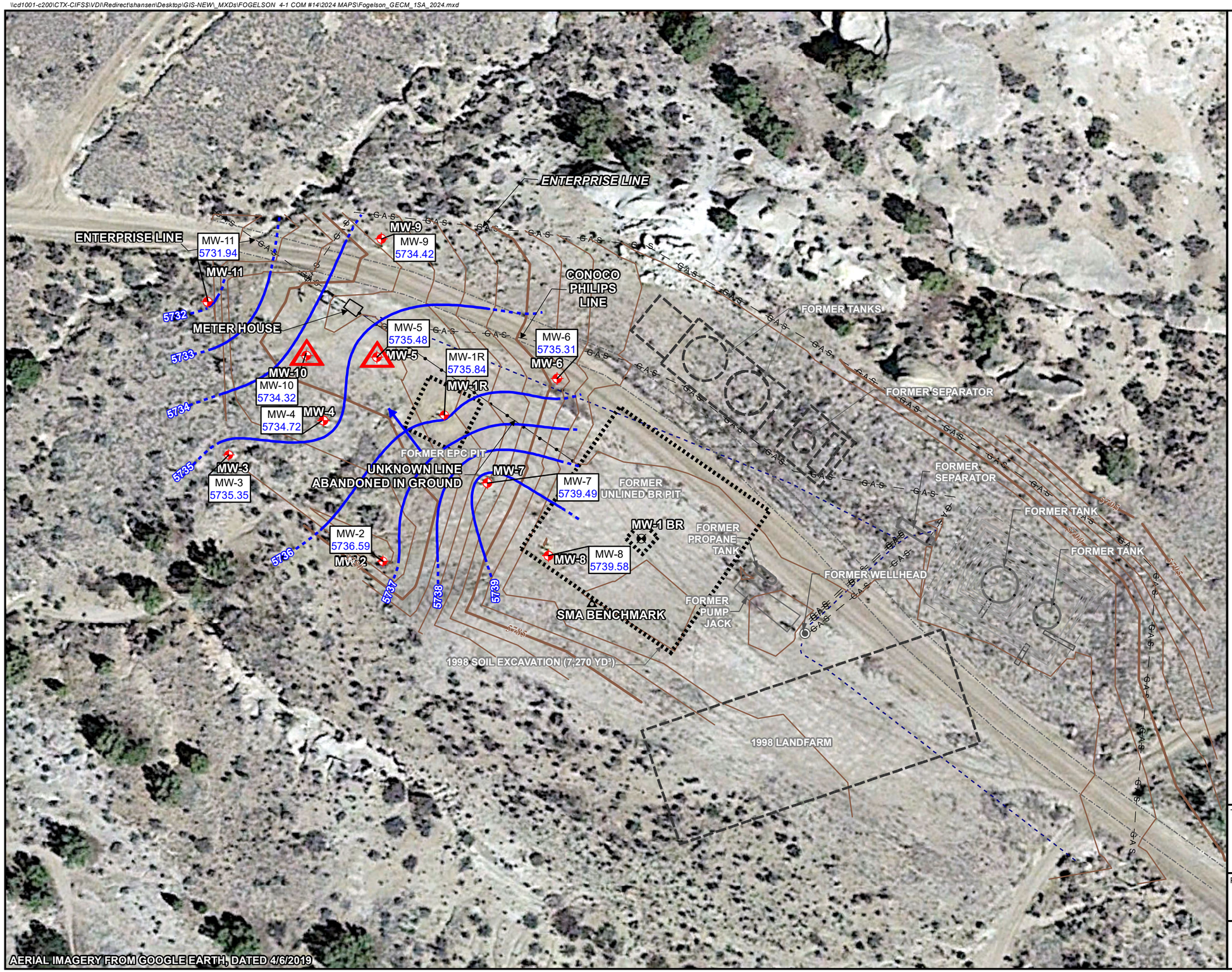


LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT OR EXCAVATION
- GAS — GAS LINE
- UNDERGROUND CABLE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- FORMER WELLHEAD
- SMA BENCHMARK
- FORMER MONITORING WELL (NOT EPCGP-OWNED)

NOTES:

5734.42 GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

5733 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2025-03-17	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 14, 2024

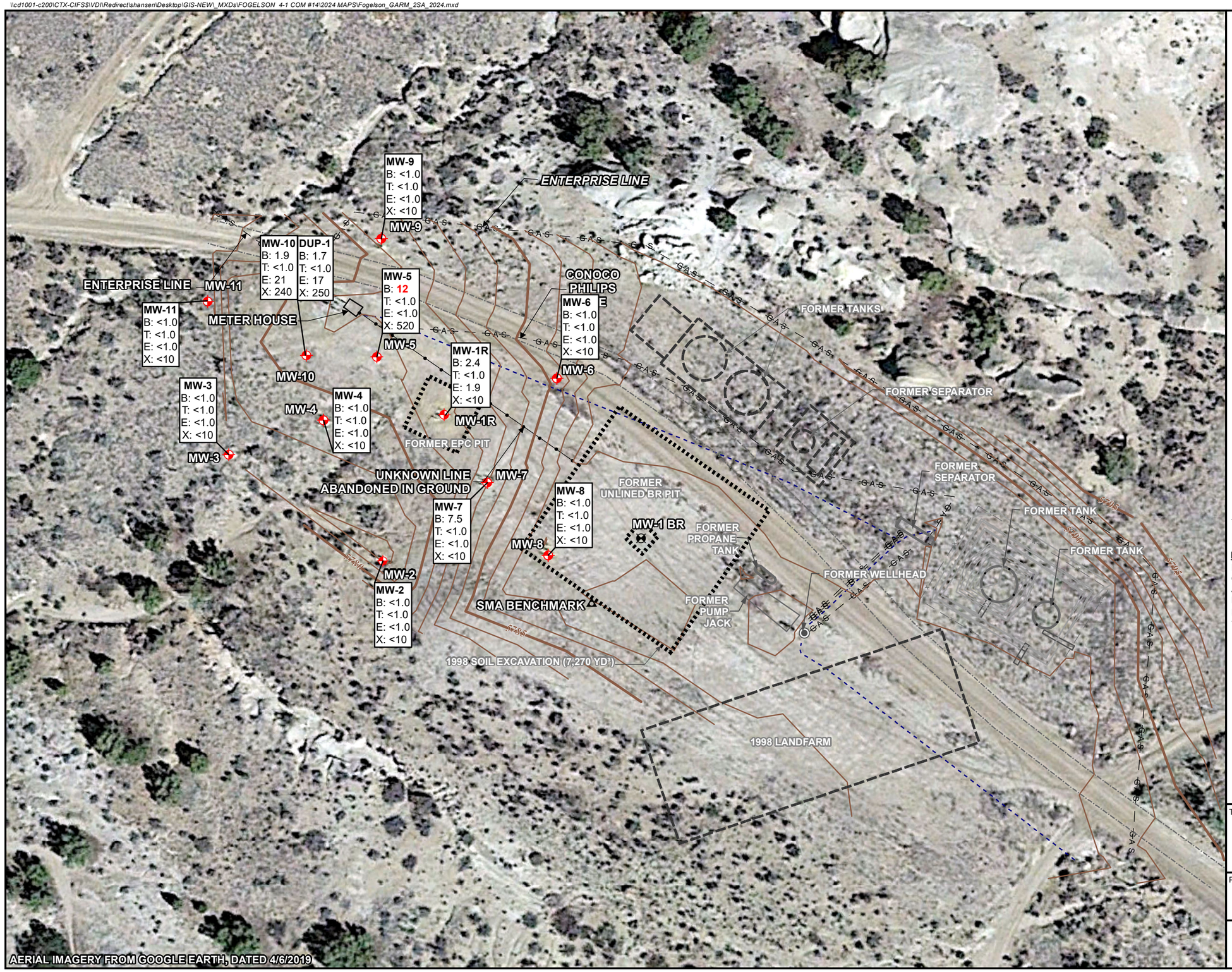
PROJECT:

FOGELSON 4-1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **4**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FOGELSON 4-1 COM #14\2024 MAPS\Fogelson_GARM_2SA_2024.mxd



LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT OR EXCAVATION
- GAS — GAS LINE
- UNDERGROUND CABLE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- FORMER WELLHEAD
- SMA BENCHMARK
- FORMER MONITORING WELL (NOT EPCGP-OWNED)

NOTES:

DUP = FIELD DUPLICATE SAMPLE
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

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

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

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2025-02-07	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 6, 2024

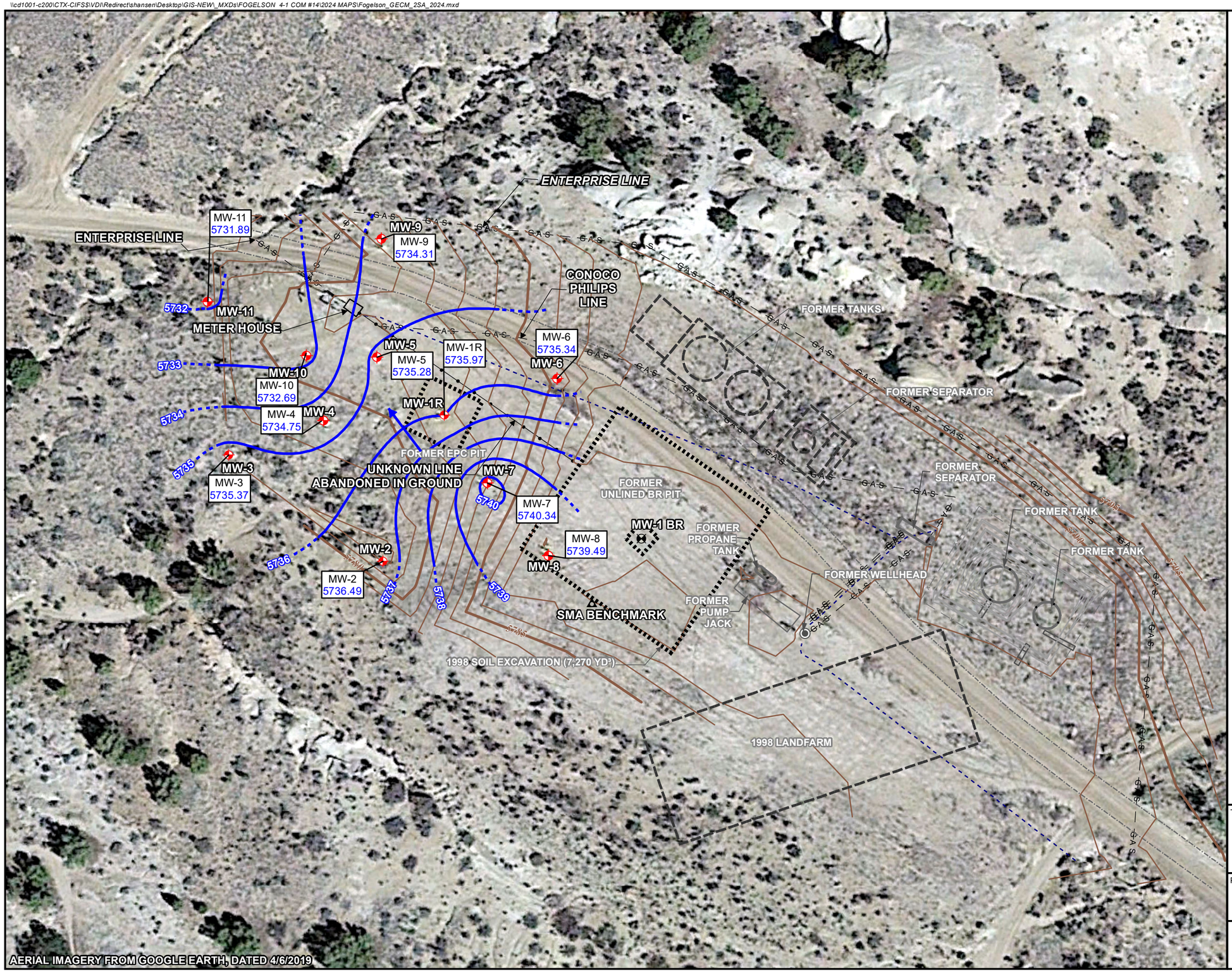
PROJECT:

FOGELSON 4-1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 5

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\FOGELSON 4-1 COM #14\2024 MAPS\Fogelson_GECM_2SA_2024.mxd



LEGEND:

- 5795 — APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT OR EXCAVATION
- GAS — GAS LINE
- UNDERGROUND CABLE
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- FORMER WELLHEAD
- SMA BENCHMARK
- FORMER MONITORING WELL (NOT EPCGP-OWNED)

NOTES:

5735.34 — GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS. FEET ABOVE MEAN SEA LEVEL

5738 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF APPARENT GROUNDWATER FLOW

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2025-03-17	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 6, 2024

PROJECT:

FOGELSON 4-1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A – SITE HISTORY

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APPENDIX A

Site History

Fogelson 4-1
Site History
San Juan River Basin, New Mexico

Date	*Source (Regulatory File #)*	*Event/Action*	*Description/Comments*
1/1962	API # 30-045-08664	Sundry Notices on Well	Drill rig released 12/5/1961.
2/2/1962	API # 30-045-08664	Log of Oil or Gas Well	Drilling ended 12/5/1961. International Oil Company is owner.
11/13/1970	API # 30-045-08664	Sundry Notice	Well operator listed as Beta Development Company.
12/22/1988	API # 30-045-08664	Request for Allowable and Authorization to Transport	Well operator is Meridian Oil Company.
9/16/1995	nAUTOfAB000193	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	nAUTOfAB000193	EPFS Addendum to the Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Amends work plan to include installation of additional wells for delineation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	nAUTOfAB000193	NMOCD approval of the Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
7/11/1996	API # 30-045-08664	Request for Allowable and Authorization to Transport	Well operator is Burlington Resources
6/2/1997	Not in NMOCD files	Letter from EPFS to NMOCD	Groundwater encountered in exempt hydrocarbon unlined pits. Depth to water 21.8-28.8 feet at site. EPFS requests to submit annual reports.
8/6/1997	Not in NMOCD files	NMOCD approval letter for the 6/2/1997 Semiannual Groundwater Report (EPFS)	Approval of semi-annual report.
2/27/1998	nAUTOfAB000193 (Case # 3RP-174)	Semi-annual EPFS Pit Projects Groundwater Report	List pits where groundwater was encountered.

Fogelson 4-1
Site History
San Juan River Basin, New Mexico

7/8/1998	nAUTOfAB000193 (Case # 3RP-174)	NMOCD review letter	Approves modifying reporting schedule from semi-annual to annual basis.
7/9/1998	nAUTOfAB000192 (Case # 3RP-68)	Letter from NMOCD to Burlington Resources	NMOCD requires BR begin implementation of their previously approved pit closure plan at the Site.
9/10/1998	nAUTOfAB000192 (Case # 3RP-68)	Letter from NMOCD to BR	NMOCD approved Groundwater Remediation Work Plan.
11/10/1998	nAUTOfAB000192 (Case # 3RP-68)	Report of Environmental Cleanup Excavation from Agra Earth and Environmental to Phillip Environmental Services	11/1998 excavation of Burlington Resources pit.
3/31/1999	nAUTOfAB000193 (Case # 3RP-174)	Philip Environmental 1998 Annual Report (for EPFS)	Quarterly groundwater sampling.
7/30/1999	nAUTOfAB000192 (Case # 3RP-68)	BR letter to NMOCD (Notification of Groundwater Above Chloride Standard)	MW-1 installed in the former pit in May 1999. BR proposed to install a temporary MW upgradient of operations at the Site.
9/16/1999	nAUTOfAB000192 (Case # 3RP-68)	Letter from NMOCD to BR	NMOCD reviewed BR's 7/30/1999 Notification and Work Plan.
3/24/2000	nAUTOfAB000193 (Case # 3RP-174)	Philip Environmental 1999 Annual Report (for EPFS)	Summarizes pit closure, monitoring well MW-1 and piezometer installation, and groundwater sampling activities.
3/29/2000	nAUTOfAB000192 (Case # 3RP-68)	BR letter and 1999 Annual Report	Upgradient monitoring well installation unsuccessful (auger refusal).
2/26/2001	nAUTOfAB000193 (Case # 3RP-174)	Philip Environmental 2000 Annual Report (for EPFS)	Additional monitoring wells MW-2 and MW-3 were installed. Quarterly groundwater sampling.
3/27/2001	nAUTOfAB000192 (Case # 3RP-68)	BR letter and 2000 Annual Report	BR collected GW samples for six quarters.
7/18/2001	nAUTOfAB000193 (Case # 3RP-174)	NMOCD Review letter for 2000 Annual Groundwater Monitoring Report	NMOCD requests that EPFS work cooperatively with the operator to investigate and remediate contaminated groundwater.
2/28/2002	nAUTOfAB000193 (Case # 3RP-174)	MWH 2001 Annual Report (for EPFS)	Annual and semi-annual groundwater sampling. ORC socks installed in MW-1 to oxygenate the source area.
2/28/2003	nAUTOfAB000193 (Case # 3RP-174)	MWH 2002 Annual Report (for EPFS)	Semi-annual groundwater sampling.

Fogelson 4-1
Site History
San Juan River Basin, New Mexico

2/26/2004	nAUTOfAB000193 (Case # 3RP-174)	MWH 2003 Annual Report (for EPFS)	Semi-annual groundwater monitoring.
2/21/2005	nAUTOfAB000192 (Case # 3RP-68)	MWH 2004 Annual Groundwater Report (for EPTPC)	Annual groundwater monitoring.
3/2/2006	nAUTOfAB000192 (Case # 3RP-68)	MWH 2005 Annual Groundwater Report (for EPTPC)	Annual groundwater monitoring.
2/16/2007	nAUTOfAB000192 (Case # 3RP-68)	MWH 2006 Annual Report (for EPTPC)	Annual groundwater monitoring.
4/2/2008	nAUTOfAB000192 (Case # 3RP-68)	MWH 2007 Annual Groundwater Report (for EPTPC)	LNAPL detected in MW-1. Absorbent sock installed in MW-1.
2/28/2009	nAUTOfAB000192 (Case # 3RP-68)	MWH 2008 Annual Groundwater Report (for EPTPC)	LNAPL recovery & groundwater monitoring.
4/16/2010	nAUTOfAB000192 (Case # 3RP-68)	MWH 2009 Annual Report (for EPTPC)	Annual groundwater sampling. Quarterly LNAPL recovery at MW-1.
3/2/2011	nAUTOfAB000192 (Case # 3RP-68)	MWH 2010 Annual Report (for EPTPC)	Annual groundwater sampling. Quarterly LNAPL recovery at MW-1.
4/11/2011	API # 30-045-08664	Application for Closure of a Pit	Above ground steel tank closed 3/28/2011.
8/16/2012	nAUTOfAB000192 (Case # 3RP-68)	MWH 2011 Annual Report - Pit Groundwater Remediation (for EPCGP)	Annual groundwater sampling and quarterly LNAPL recovery.
2/24/2014	API # 30-045-08664	Sundry Notice	Submission was a subsequent report for plug and abandon. Production well was P/A 1/30/2014.
3/4/2014	nAUTOfAB000192 (Case # 3RP-68)	MWH 2013 Annual Groundwater Report (for EPCGP)	Groundwater monitoring activities.
5/28/2014	nAUTOfAB000192 (Case # 3RP-68)	MWH 2014 Monitoring Well Installation Work Plan (for EPCGP)	Four additional monitoring wells proposed.
2/2/2015	nAUTOfAB000192 (Case # 3RP-68)	MWH 2014 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring. Update on BLM ROW permits for monitoring well installations.

Fogelson 4-1
Site History
San Juan River Basin, New Mexico

2/11/2016	Not in NMOCD files	MWH 2015 Annual Gorundwater Report (for EPCGP)	Semi-annual groundwater sampling and LNAPL recovery.
4/21/2016	API # 30-045-08664	Sundry Notice	Burlington Resources completed the final reclamation on 1/18/2016 w/seeding completed on 2/22/2016.
3/20/2017	nAUTOfAB000192 (Case # 3RP-68)	Stantec 2016 Annual Groundwater Report (for EPCGP)	Annual groundwater monitoring activities. LNAPL detected at MW-1. Installation of additional monitoring wells is planned, after establishment of a right-of-way with BLM.
3/15/2017	nAUTOfAB000192 (Case # 3RP-68)	Stantec 2017 Monitoring Well Installation Work Plan (for EPCGP)	Work Plan replaces the monitoring well installation work plan dated May 28, 2014, which was not implemented.
6/2/2017	nAUTOfAB000192 (Case # 3RP-68)	Letter from NMOCD to EPCGP	Remediation plan requested.
7/19/2017	nAUTOfAB000192 (Case # 3RP-68)	Response letter from EPCGP to NMOCD	Additional groundwater monitoring is planned in 2017.
3/28/2018	nAUTOfAB000192 (Case # 3RP-68)	Stantec 2017 Annual Groundwater Report (for EPCGP)	Monitoring wells MW-4 through MW-7 installed, soil boring SB-1 advanced in the former pit, semi-annual groundwater sampling.
3/28/2019	Not in NMOCD files	Stantec 2018 Annual Groundwater Report (for EPCGP)	MDPE event conducted at MW-1. Two new monitoring wells installed (MW-8 and MW-9). Semi-annual groundwater monitoring activities.
4/1/2020	Not in NMOCD files	Stantec 2019 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring activities and LNAPL recovery.
1/5/2021	Not in NMOCD files	Letter from EPCGP to NMOCD	Work Plan for MDPE activities for LNAPL recovery.
4/8/2021	nAUTOfAB000192	Stantec 2020 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring. Quarterly LNAPL recovery.
8/19/2021	nAUTOfAB000192	Stantec LNAPL Recovery Work Plan	MDPE activities proposed at monitoring well MW-5, where measurable LNAPL is present.
3/30/2022	nAUTOfAB000192	Stantec 2021 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring activities. MDPE event at MW-5.

Fogelson 4-1
Site History
San Juan River Basin, New Mexico

3/22/2022	nAUTOfAB000192	Stantec Monitoring Well Installation Activities Work Plan	Work Plan proposed the installation of one monitoring well, MW-10, at the Site.
9/27/2022	nAUTOfAB000192	Stantec Additional Monitoring Well Installation Activities Work Plan	Work Plan proposed methodology for installation of two monitoring wells; MW-11 and MW-12.
3/22/2023	nAUTOfAB000192	Stantec 2022 Annual Groundwater Report	Three new monitoring wells installed (MW-10, MW-11, MW-12) and SB-13 advanced. Semi-annual groundwater monitoring activities. Quarterly LNAPL recovery. Report is stamped reviewed 5/22/2023 on OCD website.
3/20/2024	nAUTOfAB000192	Stantec 2023 Annual Groundwater Report	Semi-annual groundwater monitoring activities. Quarterly LNAPL recovery. Report approved by the NMOCD on 6/27/2024.
7/1/2024	nAUTOfAB000192	MDPE Work Plan	Work Plan for MDPE activities for LNAPL recovery. The NMOCD approved report on 9/23/2024.

APPENDIX B

NMOCD Notification of Site Activities

From: OCDOnline@state.nm.us
To: Varsa, Steve
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 324479
Date: Tuesday, March 19, 2024 2:34:14 AM

To whom it may concern (c/o Stephen Varsa for El Paso Natural Gas Company, L.L.C),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAUTOfAB000192.

The sampling event is expected to take place:

When: 03/26/2024 @ 15:00
Where: P-04-29N-11W 0 FNL 0 FEL (36.7506601,-107.9915601)

Additional Information: Sean Clary - 918-980-0281. Quarterly LNAPL recovery event. No sampling for laboratory analysis planned.

Additional Instructions: 3/4-mile west of US 550, west of Wagner Equipment

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: Varsa, Steve
To: OCD.ENVIRO@EMNRD.NM.GOV
Cc: Wiley, Joe; Buchanan, Michael, EMNRD
Subject: FW: El Paso CGP Company - Notice of upcoming groundwater sampling activities (nAUTOfAB000668 - State Gas Com N#1)
Date: Monday, May 13, 2024 7:23:34 AM

Please note the work at the subject location has been rescheduled for May 19, 2024. For the remaining sites below, note the correct year is 2024, not 2023.

Thank you,
Steve

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

From: Varsa, Steve
Sent: Tuesday, May 7, 2024 4:34 PM
To: 'OCD.ENVIRO@EMNRD.NM.GOV' <OCD.ENVIRO@EMNRD.NM.GOV>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>; Wiley, Joe <Joe_Wiley@kindermorgan.com>
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities

Pursuant to El Paso CGP's Groundwater Remediation Plan, 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	5/15/2023
Fields A#7A	nAUTOfAB000176	5/17/2023
Fogelson 4-1	nAUTOfAB000192	5/14/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/14/2023
GCU Com A #142E	nAUTOfAB000219	5/13/2023
James F. Bell #1E	nAUTOfAB000291	5/14/2023
Johnston Fed #4	nAUTOfAB000305	5/15/2023
Johnston Fed #6A	nAUTOfAB000309	5/15/2023
K27 LDO72	nAUTOfAB000316	5/16/2023
Knight #1	nAUTOfAB000324	5/14/2023
Lateral L 40 Line Drip	nAUTOfAB000335	5/17/2023
Sandoval GC A #1A	nAUTOfAB000635	5/15/2023
Standard Oil Com #1	nAUTOfAB000666	5/16/2023
State Gas Com N #1	nAUTOfAB000668	5/13/2023

Quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) are to occur on Monday, May 13, 2024.

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

Thank you,
Steve

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

From: Varsa, Steve
To: OCD.ENVIRO@EMNRD.NM.GOV
Cc: Wiley, Joe; Buchanan, Michael, EMNRD; Bratcher, Michael, EMNRD
Subject: Fogelson #4-1 (nAUTOfAB000192) - Notice of upcoming site activities
Date: Friday, July 12, 2024 11:03:17 AM

This correspondence is to provide notice of mobile dual-phase extraction (MDPE) testing activities to occur at the site beginning next week and occurring for approximately four weeks. The testing is being completed in accordance to the MDPE testing work plan previously submitted for the site on the e-permitting portal. Let me know if you have any questions.

Thank you,
Steve

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

From: Varsa, Steve
To: OCD.ENVIRO@EMNRD.NM.GOV
Cc: Buchanan, Michael, EMNRD; Bratcher, Michael, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Monday, October 28, 2024 11:07:52 AM

Pursuant to El Paso CGP's Groundwater Remediation Plan, 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	11/9/2024
Fields A#7A	nAUTOfAB000176	11/8/2024
Fogelson 4-1	nAUTOfAB000192	11/5/2024
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/9/2024
GCU Com A #142E	nAUTOfAB000219	11/7/2024
James F. Bell #1E	nAUTOfAB000291	11/7/2024
Johnston Fed #4	nAUTOfAB000305	11/8/2024
Johnston Fed #6A	nAUTOfAB000309	11/8/2024
K27 LDO72	nAUTOfAB000316	11/9/2024
Knight #1	nAUTOfAB000324	11/5/2024
Lateral L 40 Line Drip	nAUTOfAB000335	11/10/2024
Sandoval GC A #1A	nAUTOfAB000635	11/8/2024
Standard Oil Com #1	nAUTOfAB000666	11/9/2024
State Gas Com N #1	nAUTOfAB000668	11/6/2024

Quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) are to occur on Monday and Tuesday, November 4 and 5, 2024.

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

Thank you,
Steve

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

APPENDIX C

Waste Disposal Documentation

envirotech

Bill of Lading

MANIFEST # 84352
GENERATOR El Paso
POINT OF ORIGIN See C-138 For list
TRANSPORTER Envirotech
DATE 03/29/24 JOB # 14073-0090

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tank bottoms groundwater			1	—	—	983	1000	[signature]
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-701	CHLORIDE TEST	1	Cory Robinson	
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.	
PASS	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

ENTERED APR 02 2024

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

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 84352

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 03/29/24 TIME 1000

CUSTOMER El Paso

SITE See the C-138 For List

DRIVER Austin Foutz

SAMPLE Soil Straight ____ With Dirt X

CHLORIDE TEST - 281 mg/Kg

ACCEPTED YES X NO ____

PAINT FILTER TEST Time started 1000 Time completed 1012

PASS YES ✓ NO ____

SAMPLER/ANALYST Cory Robinson

Attach test strip here

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

envirotech

Bill of Lading

MANIFEST # 85181

GENERATOR El Paso Pit Sites

POINT OF ORIGIN See C-138 For Location

TRANSPORTER Envirotech

DATE 05/21/24 JOB # 14073-0090

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tankbottom			1	—	—	998	0945	
					1					

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

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

Generator Onsite Contact _____ Phone _____

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envirotech

BOL# 85181

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 05/21/24 TIME 0945

CUSTOMER El Paso

SITE Sec C-138 For Johnston Fed 4

DRIVER

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 434 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 0945 Time completed 0959

PASS YES X NO _____

SAMPLER/ANALYST

Attach test strip here

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

Agua Moss

Agua Moss LLC
3782 Provo Street
Bloomfield, NM 87413

No.
PL27387

Date:
08/15/2024

Company:
High River

This load included 60 gallons from the El Paso CGP Company Fogelson #4-1 site.

Billing Location:
COLORADO 32-7 #1-3

Ordered By:
CHAZ WEAVER

Delivery Company:
SIERRA OILFIELD

Delivery Driver:
HERMAN

Delivery Driver Truck #:
59

Delivery Ticket #:
3389

Product:	BBLS:	Time Stamp
4100 - Disposal / Produced Water	80	01:33 PM

Envirotech Inv 66775 on 11/14/24

envirotech

Bill of Lading

MANIFEST # 88384

GENERATOR ElPaso see list below

POINT OF ORIGIN ~~Rio Vista Comp Station~~

TRANSPORTER ETech

DATE 11/15/24 JOB # 14073-0090

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tank Bottoms			1	-		998	11:00	
					1					
				Point of Origin			Blanco Gas Plant - North Flare Pit Blanco Gas Plant - South Flare Pit San Juan River Gas Plant			
						14	NEW MEXICO PITS SITES			
							- Johnston Federal #4 - Johnston Federal #6A - Sandoval GC A #1A - Canada Mesa #2 - K-27 L0072 - Standard Oil Com #1 - Gallegos Canyon Unit #124E - State Gas Com N #1		- Knight #1 - Lat L40 - James F Bell #1E - GCU Com A #142E - Fields A #7A - Fogelson 4-1	

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

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

Generator Onsite Contact _____ Phone _____

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

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envirotech

BOL# 88384

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/15/24 TIME 11:00

Attach test strip here

CUSTOMER El Paso

SITE ~~Rio Vista Comp Station~~ SEE LIST PW See BOL for List

DRIVER

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 400 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 11:00 Time completed 11:10

PASS YES X NO _____

SAMPLER/ANALYST

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

APPENDIX D

MDPE Report

CALCLEAN INC.
"A Partner in Protecting America's Waters"

February 19, 2025

Stantec
11311 Aurora Avenue
Des Moines, IA 50322

ATTN: MR. STEVE VARSA

SITE: FOGELSON 4-1
NEW MEXICO

RE: HIGH VACUUM DUAL PHASE EXTRACTION REPORT

Dear Mr. Varsa:

CalClean Inc. is submitting this High Vacuum Dual Phase Extraction (HVDPE) Report for the above referenced site. This report includes activities performed from July 15 to August 15, 2024.

From July 15 to August 15, 2024, CalClean performed a 30-day HVDPE event on several wells using a low-noise, truck-mounted 450-CFM high-vacuum liquid ring blower. This technology allows hydrocarbons to be simultaneously removed from the vadose zone, capillary fringe, and saturated soil zone. A high vacuum was applied for vapor extraction and drawdown of the groundwater table around the extraction wells, while vacuum and vapor flow rates were modified to optimize recovery of vapor, free-product (if any) and dissolved-phase hydrocarbons.

HVDPE was conducted with a high vacuum system that uses a 25-hp liquid ring blower for extraction of vapor and groundwater from two or more wells at a time. This system can extract at a maximum vacuum of 29 inches of Hg and has a maximum capacity of 450 cfm. During the 30-day event, the HVDPE system was simultaneously connected to several wells as directed by the consultant.

Total Inlet vapor samples were collected in Summa Canisters during the event. The laboratory results, listed in Table 1 and laboratory reports included in Attachment 1, indicate the following:

- The starting and ending Total Inlet Total Petroleum Hydrocarbons as Gasoline (TPH-G) vapor concentrations were 880 ppmv and 540 ppmv, respectively.
- The ending Total Inlet Benzene vapor concentration was ND <0.049 ppmv.

The total equivalent amount of hydrocarbons recovered through vapor extraction during the 30-day HVDPE Feasibility Testing event was 553.35 pounds (based on laboratory data), and 1,282.69 pounds (based on the Horiba field organic vapor analyzer data) with an average of 918.02 pounds. The cumulative amount of recovered hydrocarbons (based on laboratory data) is provided in Table 2. The cumulative amount of recovered hydrocarbons (based on the field organic vapor analyzer data) amount is provided in Table 3. The average hydrocarbon mass removal rate during the 30-day event was 17.99 pounds per day.

Approximately 60 gallons of groundwater was extracted during the event and stored onsite in a poly tank. At the end of the event, a vac truck was used to remove the stored water

During the event, several existing monitoring wells were monitored for vacuum influence. The observation well readings (in "H2O) are included in the field data sheets in Attachment 2.

The following attachments are included to document the HVDPE event at the site:

Table 1	Results of Laboratory Analysis of Influent Vapor Samples
Table 2	Hydrocarbon Mass Removal (using Lab Data)
Figure 1	Total Inlet HC Concentrations versus Time (30 Days, Using Lab Data)
Figure 2	Cumulative HC Recovered over 30 Days (using Lab Data)
Table 3	Hydrocarbon Mass Removal (using Horiba Data)
Figure 3	Total Inlet HC Concentrations versus Time (30 Days, Using Horiba Data)
Figure 4	Cumulative HC Recovered over 30 Days (using Horiba Data)
Attachment 1	Laboratory Reports
Attachment 2	HVDPE Field Data Sheets

It has been a pleasure working with you on this project. If you have any questions regarding this data report, please contact us at (714) 936-2706.

Sincerely,

CALCLEAN INC.

Noel Shenoi
Principal Engineer

Attachments

CalClean Inc.

Table 1

RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES

Fogelson 4-1

New Mexico

Sample ID	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)
TOTAL INLET	7/16/24 1400	880	-	-	-	-
TOTAL INLET	7/21/24 1450	580	ND<0.099	ND<0.2	1.3	5.6
TOTAL INLET	8/15/24 0810	540	ND<0.049	ND<0.049	1.1	15

Notes:

ppmv = parts per million by volume

TPH - g = total petroleum hydrocarbons - gasoline

TPH-G/BTEX analyzed by EPA TO-3M / TO-15

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Table 2
HYDROCARBON MASS REMOVAL (Using Lab Data)
Fogelson 4-1, New Mexico

TIME	SYSTEM PARAMETERS			Hydrocarbon Recovery		
	Average System Vacuum (in of Hg)	Average Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution* (ppmv)	(lbs)	(gal)	(Cumul. lbs)
7/15/2024 14:00	12	69	880	0.00	0.00	0.00
7/21/2024 14:50	10	87	580	112.28	17.97	112.28
8/15/2024 8:10	7	108	540	441.07	70.60	553.35
TOTAL HC RECOVERED* - LAB DATA				**553.35**	**88.57**	
TOTAL HC RECOVERED - FIELD ANALYZER DATA**				**1,282.69**	**205.31**	
Average HC Recovered* (Field Analyzer/Lab Data)**				**918.02**	**146.94**	

in of Hg = inches of mercury
scfm = standard cubic feet per minute
** Based on Horiba field analyzer data.
ppmv = parts per million by volume
gal = gallons
lbs = pounds
* Concentration data based on laboratory data.
*** Average HC Recovered using Laboratory and Horiba data

Figure 1

Total Inlet HC Concentrations vs Time (30 Days)

Fogelson 4-1, New Mexico - 7/15-8/15/24

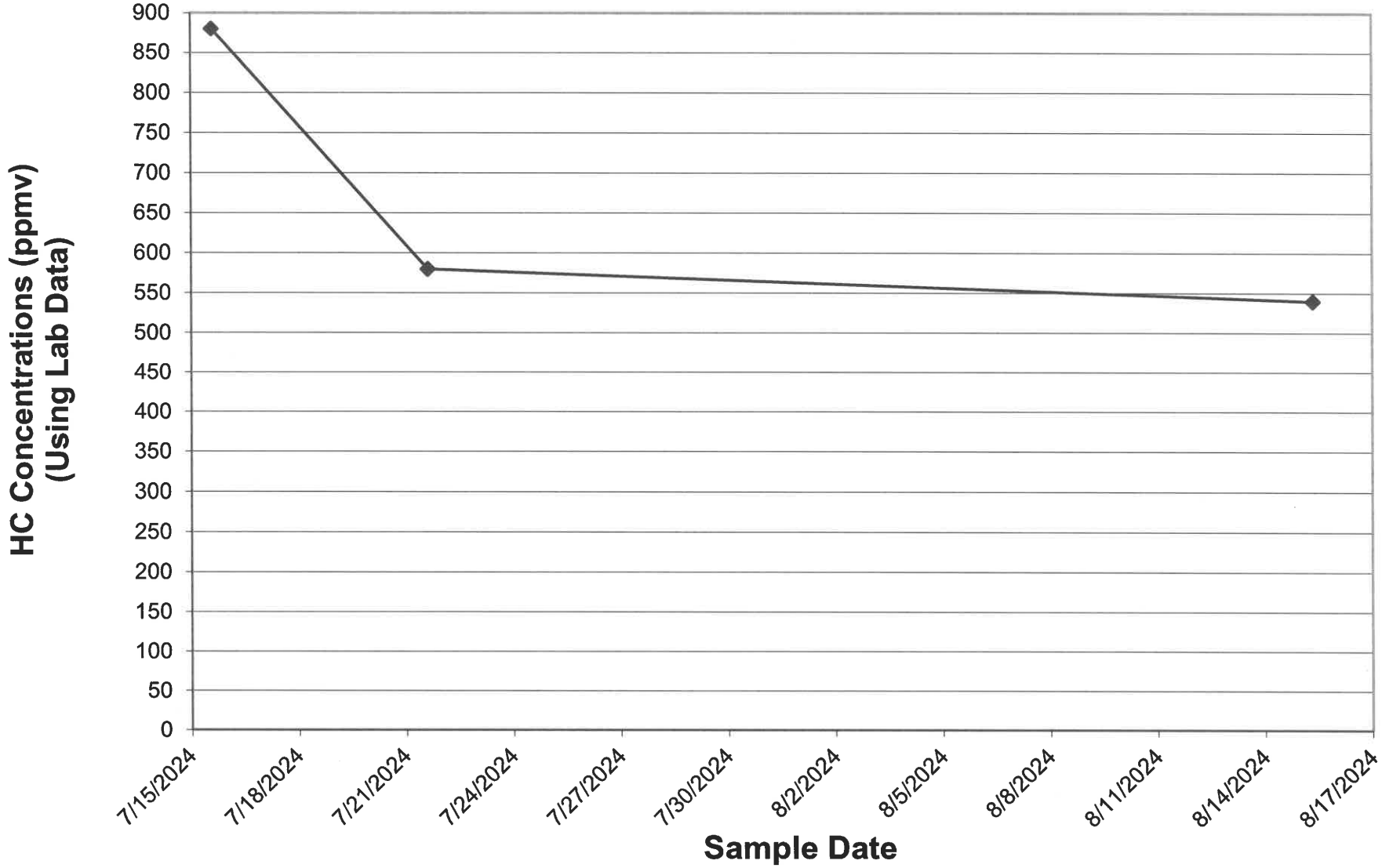

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Figure 2
Cumulative HC Recovered Over 30 Days
Fogelson 4-1, New Mexico - 7/15-8/15/24

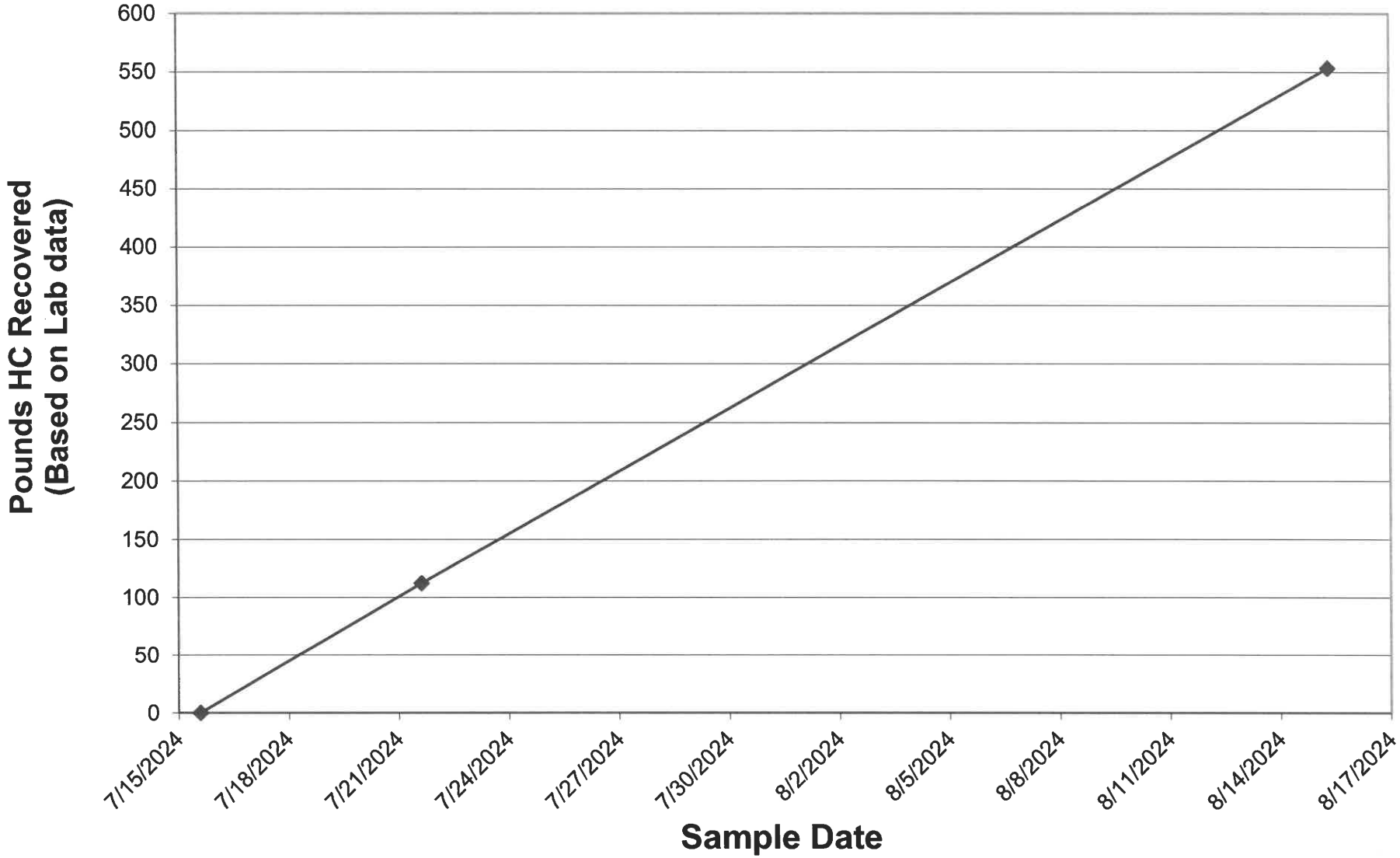

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Table 3

HYDROCARBON MASS REMOVAL (Using Field Data)

Fogelson 4-1, New Mexico

TIME	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS				Hydrocarbon Recovery (using Horiba Data)		
							System Vacuum (in of Hg)	Total System Inlet Flow (scfm)**	Influent Concentrations (ppmv)*	Effluent Concentrations (ppmv) *	(lbs)	(gal)	(Cumul. lbs)
7/15/2024 10:45							18	49	7,600		0.00	0.00	0.00
7/15/2024 11:00		**Extraction in wells MW-5 and MW-10**					17	46	6,380		1.13	0.18	1.13
7/15/2024 11:10							14	63	6,400		0.79	0.13	1.92
7/15/2024 13:00							14	68	3,780		8.32	1.33	10.24
7/15/2024 15:00							14	68	3,370		6.62	1.06	16.86
7/15/2024 16:00							12	69	3,160		3.05	0.49	19.91
7/16/2024 8:00							12	76	2,410		43.98	7.04	63.89
7/16/2024 10:19							12	81	2,370		5.92	0.95	69.81
7/16/2024 12:00							13	81	2,100		4.15	0.66	73.96
7/16/2024 12:30							13	79	1,970		1.11	0.18	75.07
7/16/2024 16:00							13	84	1,740		7.20	1.15	82.27
7/17/2024 8:00							11	87	1,315		28.45	4.55	110.72
7/17/2024 12:00							11	87	1,300		6.19	0.99	116.92
7/17/2024 15:20							11	87	1,282		5.10	0.82	122.01
7/17/2024 16:00							11	87	1,298		1.02	0.16	123.03
7/18/2024 8:00							10	87	1,220		23.86	3.82	146.89
7/18/2024 12:00							11	87	1,110		5.52	0.88	152.41
7/18/2024 16:00							11	87	1,136		5.32	0.85	157.73
7/19/2024 8:00							10	87	1,038		20.60	3.30	178.33
7/19/2024 12:00							10	87	1,045		4.93	0.79	183.27
7/19/2024 16:00							10	87	1,034		4.93	0.79	188.19
7/20/2024 8:00							10	87	1,000		19.27	3.09	207.47
7/20/2024 12:00							10	87	1,003		4.75	0.76	212.21
7/20/2024 16:00							10	87	987		4.71	0.75	216.93
7/21/2024 8:00							10	87	870		17.60	2.82	234.52
7/21/2024 11:00							15	87	894		3.13	0.50	237.66
7/21/2024 14:30							10	87	934		3.79	0.61	241.45
7/22/2024 8:00							10	87	856		18.55	2.97	260.00

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Table 3
HYDROCARBON MASS REMOVAL (Using Field Data)
Fogelson 4-1, New Mexico

TIME	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS				Hydrocarbon Recovery (using Horiba Data)		
							System Vacuum (in of Hg)	Total System Inlet Flow (scfm)**	Influent Concentrations (ppmv)*	Effluent Concentrations (ppmv) *	(lbs)	(gal)	(Cumul. lbs)
7/22/2024 12:00							10	87	920		4.21	0.67	264.21
7/22/2024 16:00							10	87	960		4.45	0.71	268.66
7/23/2024 8:00							10	87	863		17.27	2.77	285.94
7/23/2024 12:00							10	87	884		4.14	0.66	290.07
7/23/2024 16:00							10	87	888		4.20	0.67	294.27
7/24/2024 8:00							10	87	873		16.69	2.67	310.96
7/24/2024 12:00							10	87	860		4.11	0.66	315.07
7/24/2024 16:00							10	87	733		3.77	0.60	318.84
7/25/2024 8:00							11	81	810		14.12	2.26	332.96
7/25/2024 12:00							11	79	857		3.63	0.58	336.59
7/25/2024 16:00							11	79	845		3.66	0.59	340.25
7/26/2024 8:00							11	79	770		13.90	2.22	354.15
7/26/2024 12:00							11	74	835		3.34	0.54	357.49
7/26/2024 16:00							12	74	843		3.38	0.54	360.87
7/27/2024 8:00		**Extraction in wells MW-1R, MW-5 and MW-10**					12	71	799		12.97	2.08	373.84
7/27/2024 12:00							10	87	1,513		4.97	0.80	378.81
7/27/2024 16:00							10	87	1,890		8.06	1.29	386.87
7/28/2024 8:00							9	92	2,150		39.38	6.30	426.26
7/28/2024 12:00							9	95	2,080		10.77	1.72	437.02
7/28/2024 16:00							9	95	2,030		10.63	1.70	447.66
7/29/2024 8:00							8	96	1,966		41.57	6.65	489.22
7/29/2024 12:00							8	96	1,951		10.24	1.64	499.46
7/29/2024 16:00							8	96	1,943		10.18	1.63	509.64
7/30/2024 8:00							8	96	1,871		39.88	6.38	549.52
7/30/2024 12:00							8	96	1,941		9.96	1.60	559.49
7/30/2024 16:00							8	96	1,890		10.01	1.60	569.50
7/31/2024 8:00							8	98	1,711		38.05	6.09	607.55
7/31/2024 12:00							8	98	1,737		9.20	1.47	616.75

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Table 3
HYDROCARBON MASS REMOVAL (Using Field Data)
Fogelson 4-1, New Mexico

TIME	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS				Hydrocarbon Recovery (using Horiba Data)		
							System Vacuum (in of Hg)	Total System Inlet Flow (scfm)**	Influent Concentrations (ppmv)*	Effluent Concentrations (ppmv) *	(lbs)	(gal)	(Cumul. lbs)
7/31/2024 16:00							8	98	1,700		9.17	1.47	625.92
8/1/2024 8:00							8	98	1,615		35.38	5.66	661.30
8/1/2024 12:00							8	98	1,938		9.48	1.52	670.79
8/1/2024 16:00							8	98	1,904		10.25	1.64	681.04
8/2/2024 8:00							8	98	1,706		38.53	6.17	719.57
8/2/2024 12:00							7	100	1,673		9.11	1.46	728.68
8/2/2024 16:00							7	100	1,660		9.08	1.45	737.76
8/3/2024 8:00							7	100	1,630		35.83	5.74	773.59
8/3/2024 12:00							7	100	1,680		9.01	1.44	782.60
8/3/2024 16:00							7	100	1,590		8.90	1.43	791.51
8/4/2024 8:00							7	100	1,470		33.33	5.33	824.84
8/4/2024 12:00							7	103	1,518		8.26	1.32	833.10
8/4/2024 16:00							7	103	1,529		8.55	1.37	841.64
8/5/2024 8:00							7	103	1,440		33.31	5.33	874.95
8/5/2024 12:00							7	103	1,420		8.02	1.28	882.97
8/5/2024 16:00							7	103	1,475		8.12	1.30	891.09
8/6/2024 8:00							7	103	1,256		30.64	4.90	921.73
8/6/2024 12:00							7	103	1,338		7.28	1.16	929.01
8/6/2024 16:00							7	103	1,359		7.56	1.21	936.57
8/7/2024 8:00							7	103	1,210		28.82	4.61	965.39
8/7/2024 12:00							7	103	1,281		6.99	1.12	972.38
8/7/2024 16:00							7	103	1,293		7.22	1.16	979.60
8/8/2024 8:00							7	103	1,240		28.42	4.55	1008.01
8/8/2024 12:00							7	105	1,273		7.12	1.14	1015.13
8/8/2024 16:00							7	150	1,302		8.94	1.43	1024.07
8/9/2024 8:00							7	105	1,181		34.48	5.52	1058.55
8/9/2024 12:00							7	104	1,237		6.88	1.10	1065.43
8/9/2024 16:00							7	104	1,201		6.90	1.11	1072.34

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Table 3
HYDROCARBON MASS REMOVAL (Using Field Data)
Fogelson 4-1, New Mexico

TIME	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS				Hydrocarbon Recovery (using Horiba Data)		
							System Vacuum (in of Hg)	Total System Inlet Flow (scfm)**	Influent Concentrations (ppmv)*	Effluent Concentrations (ppmv) *	(lbs)	(gal)	(Cumul. lbs)
8/10/2024 8:00							7	104	1,150		26.63	4.26	1098.97
8/10/2024 12:00							7	104	1,165		6.56	1.05	1105.52
8/10/2024 16:00							7	104	1,171		6.62	1.06	1112.14
8/11/2024 8:00							7	104	1,044		25.09	4.02	1137.23
8/11/2024 12:00							7	104	1,136		6.17	0.99	1143.40
8/11/2024 16:00							7	104	1,123		6.40	1.02	1149.80
8/12/2024 8:00							7	104	1,021		24.29	3.89	1174.09
8/12/2024 12:00							7	101	1,047		5.77	0.92	1179.86
8/12/2024 16:00							7	104	1,119		6.05	0.97	1185.91
8/13/2024 8:00							7	106	1,053		24.84	3.98	1210.75
8/13/2024 12:00							7	108	1,065		6.17	0.99	1216.92
8/13/2024 16:00							7	108	1,043		6.20	0.99	1223.12
8/14/2024 8:00							7	106	1,031		24.17	3.87	1247.29
8/14/2024 12:00							7	108	1,052		6.07	0.97	1253.36
8/14/2024 16:00							7	108	1,045		6.17	0.99	1259.52
8/15/2024 8:00							7	108	924		23.16	3.71	1282.69
									TOTAL HC RECOVERED		**1,282.69**	**205.31**	
									Total Groundwater Extracted			**60**	

Comments: Manual dilution was not opened during the event.

in of Hg = inches of mercury gal = gallons

scfm = standard cubic feet per minute lbs = pounds * Concentrations based on Horiba MEXA 324-JU field organic vapor analyzer, calibrated as hexane

** Inlet flow measured through orifice tube and converted from acfm to reported scfm

Figure 3

Total Inlet HC Concentrations vs Time (30 Days)

Fogelson 4-1, New Mexico - 7/15-8/15/24

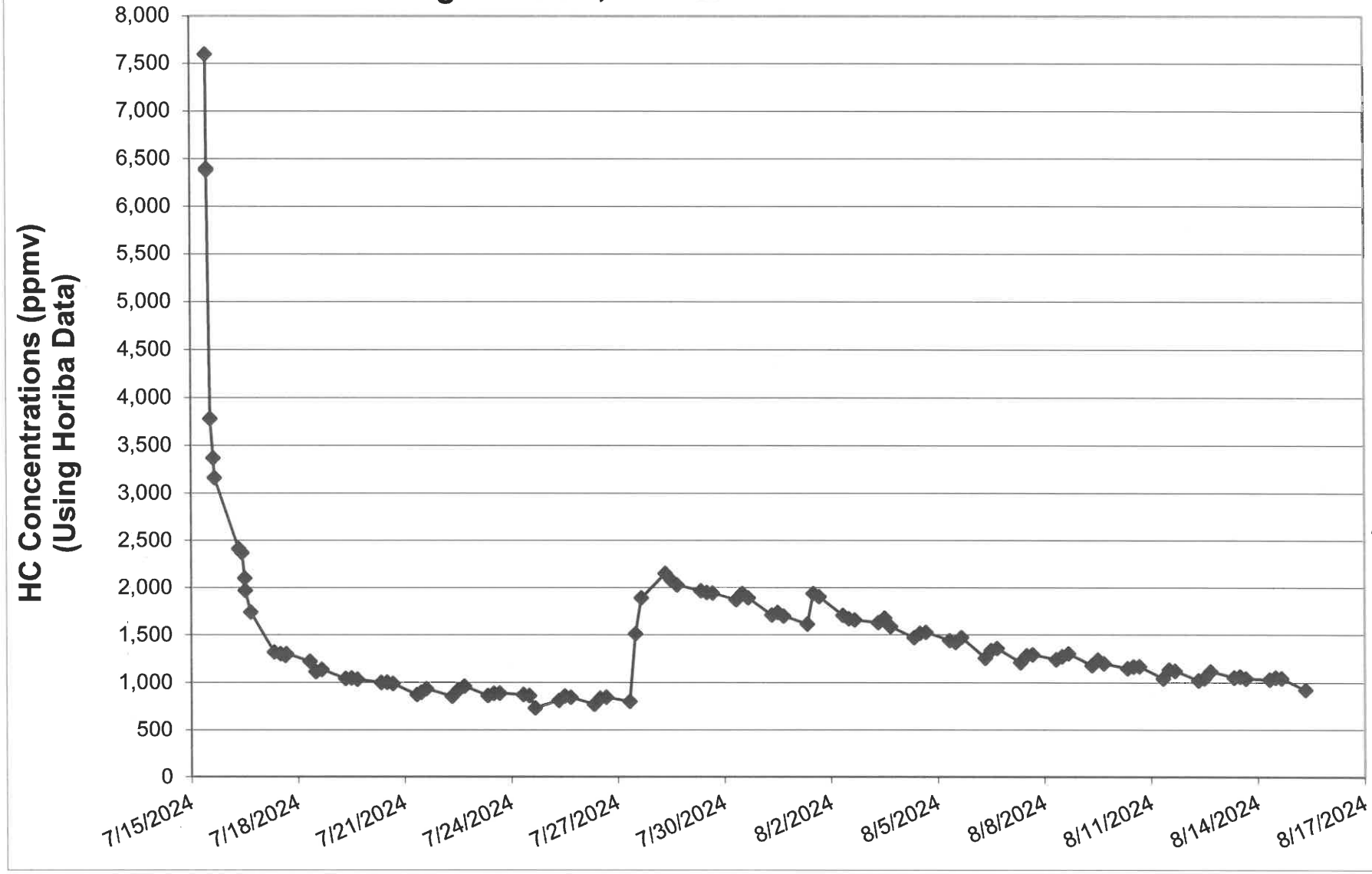

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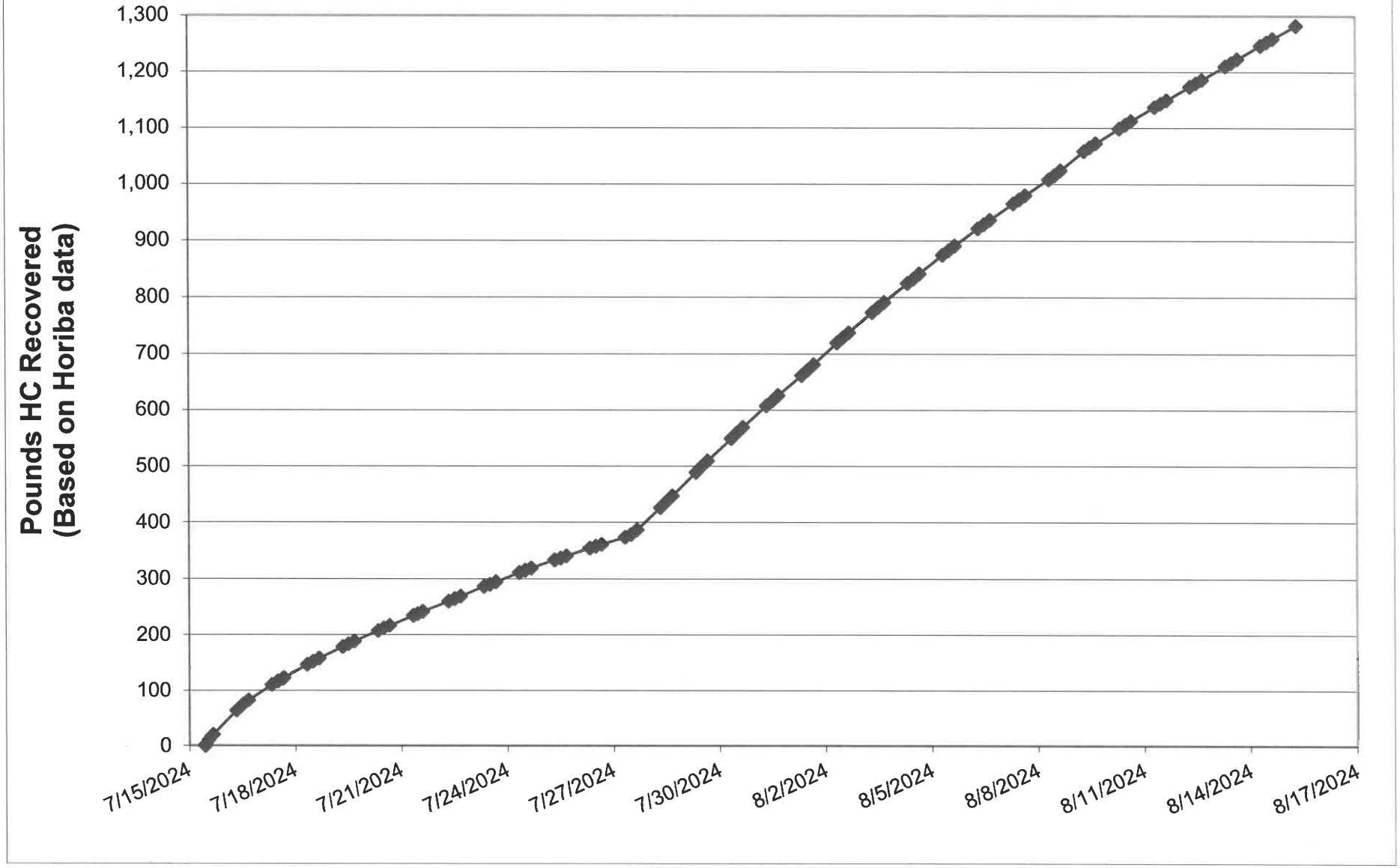
Figure 4
Cumulative HC Recovered Over 30 Days
Fogelson 4-1, New Mexico - 7/15-8/15/24



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ATTACHMENT 1

LABORATORY REPORTS

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7/30/2024
Ms. Isabel Enfinger
Eurofins Test America
3355 McLemore Dr.

Pensacola FL 32514

Project Name: Fogelson 4-1 MDDE
Project #: 193710658
Workorder #: 2407465B

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 7/18/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2407465B

Work Order Summary

CLIENT:	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	**BILL TO:**	Accounts Payable Eurofins Environment Testing 180 S Van Buren Ave. Barberton, OH 44203
PHONE:	850-471-6207	**P.O. #**	See request forms
FAX:		**PROJECT #**	193710658 Fogelson 4-1 MDDE
DATE RECEIVED:	07/18/2024	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	07/30/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	INF-07162024	Modified TO-3	10.8 "Hg	1.9 psi
02A	EFF-07162024	Modified TO-3	10.4 "Hg	1.9 psi
03A	Lab Blank	Modified TO-3	NA	NA
04A	CCV	Modified TO-3	NA	NA
05A	LCS	Modified TO-3	NA	NA
05AA	LCSD	Modified TO-3	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 07/30/24

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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LABORATORY NARRATIVE
Modified TO-3
Eurofins Test America
Workorder# 2407465B

Two 6 Liter Summa Canister samples were received on July 18, 2024. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The TPH results are calculated using the response of Octane. A molecular weight of 114 is used to convert the TPH ppmv result to mg/m3. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples.
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.

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Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: INF-07162024

Lab ID#: 2407465B-01A

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	1.8	8.3	880	4100

Client Sample ID: EFF-07162024

Lab ID#: 2407465B-02A

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.043	0.20	1.9	9.1

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Client Sample ID: INF-07162024

Lab ID#: 2407465B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072905**	**Date of Collection: 7/16/24 4:00:00 PM**	
Dil. Factor:	**70.8**	**Date of Analysis: 7/29/24 10:54 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	1.8	8.3	880	4100

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	79	75-150

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Client Sample ID: EFF-07162024

Lab ID#: 2407465B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072904**	**Date of Collection: 7/16/24 4:05:00 PM**	
Dil. Factor:	**1.73**	**Date of Analysis: 7/29/24 10:20 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.043	0.20	1.9	9.1

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	80	75-150

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Client Sample ID: Lab Blank

Lab ID#: 2407465B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 09:16 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.025	0.12	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	81	75-150

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Client Sample ID: CCV
Lab ID#: 2407465B-04A
MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072901**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 06:57 AM**	

Compound	%Recovery
Octane	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	108	75-150

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Client Sample ID: LCS

Lab ID#: 2407465B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 07:48 AM**	

Compound	%Recovery	Method Limits
Octane	95	75-125

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	83	75-150

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Client Sample ID: LCSD

Lab ID#: 2407465B-05AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072908**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 01:34 PM**	

Compound	%Recovery	Method Limits
Octane	93	75-125

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	84	75-150

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Method : Modified TO-3 (Sp)-TPHg (C5-C10 ref.to Octane)

CAS Number	Compound	Rpt. Limit (ppmv)
9999-9999-556	TPHg (C5-C10 ref. Octane)	0.025

	Surrogate	Method Limits
462-06-602	Fluorobenzene (FID)	75-150

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/22/2024 4:19:49 PM Revision 1

JOB DESCRIPTION

Fogelson 4-1

JOB NUMBER

400-260010-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

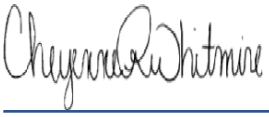
Eurofins Pensacola

Job Notes

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

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

Authorization



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

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1

Laboratory Job ID: 400-260010-1

Table of Contents

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Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1

Job ID: 400-260010-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-260010-1	INF-07212024	Air	07/21/24 14:50	07/23/24 09:40
400-260010-2	EFF-07212024	Air	07/21/24 14:40	07/23/24 09:40

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Analysis Request /Canister Chain of Custody

For Laboratory Use Only

PID: _____ Workorder #: 2407544

180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Click links below to view:
Canister Sampling Guide
Helium Shroud Video

Client: Stantec Consulting PID: _____
Project Name: Fogelson 4-1
Project Manager: Steve Varsa P.O.# _____
Sampler: Scott Stanley
Site Name:

Special Instructions/Notes:
FedEx Tracking # 7428 3885 4378
Express

Turnaround Time (Rush surcharges may apply)
Select TAT from drop down box

Lab ID	Sample Identification	Can #	Flow Controller #	Start Sampling Information Date	Start Sampling Information Time	Stop Sampling Information Date	Stop Sampling Information Time	Canister Vacuum/Pressure Initial (in Hg)	Canister Vacuum/Pressure Final (in Hg)	Lab Use Only Receipt	Lab Use Only Final (psig) Gas: N_2 / He	Requested Analyses Pres Spec TO-15	Requested Analyses Pres Spec TO-3
01A	INF - 07212024	6L0964	G0208	7/21/2024	1450			24	3			X	X
02A	EFF - 07212024	6L0960	G0491	7/21/2024	1440			24	2			X	X

Relinquished by: (Signature/Affiliation) Scott Stanley Stantec Consulting	Date 7/22/24	Time 0930	Received by: (Signature/Affiliation) FAL	Date 7.23.24	Time 0540
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: FedEx | Custody Seals Intact? Yes No None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922

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7/30/2024
Ms. Isabel Enfinger
Eurofins Test America
3355 McLemore Dr.

Pensacola FL 32514

Project Name: Fogelson 4-1
Project #:
Workorder #: 2407544A

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 7/23/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

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WORK ORDER #: 2407544A

Work Order Summary

CLIENT:	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	**BILL TO:**	Accounts Payable Eurofins Environment Testing 180 S Van Buren Ave. Barberton, OH 44203
PHONE:	850-471-6207	**P.O. #**	F41-28881
FAX:		**PROJECT #**	Fogelson 4-1
DATE RECEIVED:	07/23/2024	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	07/30/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Inf-07212024	TO-15	11 "Hg	1.9 psi
02A	Eff-07212024	TO-15	11.4 "Hg	1.9 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Rayes DATE: 07/30/24

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

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LABORATORY NARRATIVE
EPA Method TO-15
Eurofins Test America
Workorder# 2407544A

Two 6 Liter Summa Canister samples were received on July 23, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample Inf-07212024 due to matrix interference.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Inf-07212024

Lab ID#: 2407544A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	99	1300	430	5600
m,p-Xylene	200	4200	860	18000
o-Xylene	99	1400	430	6200

Client Sample ID: Eff-07212024

Lab ID#: 2407544A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
m,p-Xylene	1.8	3.2	7.9	14
o-Xylene	0.91	1.5	4.0	6.5

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Client Sample ID: Inf-07212024

Lab ID#: 2407544A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a072530**	**Date of Collection: 7/21/24 2:50:00 PM**	
Dil. Factor:	**198**	**Date of Analysis: 7/26/24 06:24 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	99	Not Detected	320	Not Detected
Ethyl Benzene	99	1300	430	5600
Toluene	200	Not Detected	750	Not Detected
m,p-Xylene	200	4200	860	18000
o-Xylene	99	1400	430	6200

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: Eff-07212024

Lab ID#: 2407544A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a072529**	**Date of Collection: 7/21/24 2:40:00 PM**	
Dil. Factor:	**1.82**	**Date of Analysis: 7/26/24 05:49 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.91	Not Detected	2.9	Not Detected
Ethyl Benzene	0.91	Not Detected	4.0	Not Detected
Toluene	1.8	Not Detected	6.8	Not Detected
m,p-Xylene	1.8	3.2	7.9	14
o-Xylene	0.91	1.5	4.0	6.5

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2407544A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a072510c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/25/24 03:15 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: CCV

Lab ID#: 2407544A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a072506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/25/24 12:40 PM**	

Compound	%Recovery
Benzene	96
Ethyl Benzene	98
Toluene	97
m,p-Xylene	98
o-Xylene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCS

Lab ID#: 2407544A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a072507**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/25/24 01:17 PM**	

Compound	%Recovery	Method Limits
Benzene	94	70-130
Ethyl Benzene	99	70-130
Toluene	94	70-130
m,p-Xylene	96	70-130
o-Xylene	95	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 2407544A-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a072508**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/25/24 01:54 PM**	

Compound	%Recovery	Method Limits
Benzene	95	70-130
Ethyl Benzene	99	70-130
Toluene	94	70-130
m,p-Xylene	96	70-130
o-Xylene	95	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	100	70-130

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Method : TO-15 (Sh)-BTEX only

CAS Number	Compound	Rpt. Limit (ppbv)
71-43-2	Benzene	0.50
100-41-4	Ethyl Benzene	0.50
108-88-3	Toluene	1.0
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50

	Surrogate	Method Limits
17060-07-0	1,2-Dichloroethane-d4	70-130
2037-26-5	Toluene-d8	70-130
460-00-4	4-Bromofluorobenzene	70-130

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7/30/2024
Ms. Isabel Enfinger
Eurofins Test America
3355 McLemore Dr.

Pensacola FL 32514

Project Name: Fogelson 4-1
Project #:
Workorder #: 2407544B

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 7/23/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

eurofins | Air Toxics

WORK ORDER #: 2407544B

Work Order Summary

CLIENT:	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	**BILL TO:**	Accounts Payable Eurofins Environment Testing 180 S Van Buren Ave. Barberton, OH 44203
PHONE:	850-471-6207	**P.O. #**	F41-28881
FAX:		**PROJECT #**	Fogelson 4-1
DATE RECEIVED:	07/23/2024	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	07/30/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Inf-07212024	Modified TO-3	11 "Hg	1.9 psi
02A	Eff-07212024	Modified TO-3	11.4 "Hg	1.9 psi
03A	Lab Blank	Modified TO-3	NA	NA
04A	CCV	Modified TO-3	NA	NA
05A	LCS	Modified TO-3	NA	NA
05AA	LCSD	Modified TO-3	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 07/30/24

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

LABORATORY NARRATIVE
Modified TO-3
Eurofins Test America
Workorder# 2407544B

Two 6 Liter Summa Canister samples were received on July 23, 2024. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The TPH results are calculated using the response of Octane. A molecular weight of 114 is used to convert the TPH ppmv result to mg/m3. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-3***	***ATL Modifications***
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples.
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.

Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: Inf-07212024

Lab ID#: 2407544B-01A

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	1.8	8.3	580	2700

Client Sample ID: Eff-07212024

Lab ID#: 2407544B-02A

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.046	0.21	0.067	0.31

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Client Sample ID: Inf-07212024

Lab ID#: 2407544B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072907**	**Date of Collection: 7/21/24 2:50:00 PM**	
Dil. Factor:	**71.2**	**Date of Analysis: 7/29/24 12:38 PM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	1.8	8.3	580	2700

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	79	75-150

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Client Sample ID: Eff-07212024

Lab ID#: 2407544B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072906**	**Date of Collection: 7/21/24 2:40:00 PM**	
Dil. Factor:	**1.82**	**Date of Analysis: 7/29/24 11:57 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.046	0.21	0.067	0.31

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	81	75-150

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Client Sample ID: Lab Blank

Lab ID#: 2407544B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 09:16 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.025	0.12	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	81	75-150

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Client Sample ID: CCV

Lab ID#: 2407544B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072901**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 06:57 AM**	

Compound	%Recovery
Octane	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	108	75-150

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 2407544B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 07:48 AM**	

Compound	**%Recovery**	**Method Limits**
Octane	95	75-125

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	83	75-150

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 2407544B-05AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d072908**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/29/24 01:34 PM**	

Compound	**%Recovery**	**Method Limits**
Octane	93	75-125

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	84	75-150

eurofins | Air Toxics

Method : Modified TO-3 (Sp)-TPHg (C5-C10 ref.to Octane)

CAS Number	Compound	Rpt. Limit (ppmv)
9999-9999-556	TPHg (C5-C10 ref. Octane)	0.025

	Surrogate	Method Limits
462-06-602	Fluorobenzene (FID)	75-150

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/28/2024 5:38:04 PM

JOB DESCRIPTION

Fogelson 4-1

JOB NUMBER

400-264345-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

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10/28/2024 5:38:04 PM

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

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1

Laboratory Job ID: 400-264345-1

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Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1

Job ID: 400-264345-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-264345-1	INF-08152024	Air	08/15/24 08:14	08/21/24 09:49
400-264345-2	EFF-08152024	Air	08/15/24 07:59	08/21/24 09:49

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Eurofins Test America Air Toxics
3355 McLemore Dr. Pensacola, FL
~~180 Blue Ravine Rd. Suite B, Folsom, CA 95630~~
~~Phone (800) 985-5955; Fax (916) 351-6279~~ SW

Analysis Request /Canister Chain of Custody

For Laboratory Use Only
PID: _____ Workorder #: 2408545

Click links below to view:
Canister Sampling Guide
Helium Shroud Video

Client: Stantec Consulting PID: _____
Project Name: Fogelson 4-1 PE
Project Manager: Steve Varisa P.O.#: _____
Sampler: Scott Hansen
Site Name: Fogelson 4-1

Special Instructions/Notes:

Turnaround Time (Rush surcharges may apply)
Select TAT from drop-down box

Lab ID	Sample Identification	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Canister Vacuum/Pressure		Lab Use Only		Requested Analyses			
				Date	Time	Date	Time	Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N_2 / He	TO-3 for TPH	TO-15 for BTEX		
01A	INF-08152024	1005	2305	8/15/2024	0810	8/15/2024	0814	24	3			X	X		
02A	EFF-08152024	N4645	2243	8/15/2024	0755	8/15/2024	0854	24	3			X	X		

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Scott Hansen Stantec Consulting	8/16/2024	1330	[signature]	8/21/24	0949
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: Fed Ex | Custody Seals Intact? | Yes | (No) | None | Misplaced Custody Seal

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T. Hotline (800) 467-4922

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8/28/2024
Ms. Isabel Enfinger
Eurofins Test America
3355 McLemore Dr.

Pensacola FL 32514

Project Name: Fogelsou4-1MDPE
Project #:
Workorder #: 2408545A

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 8/21/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

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WORK ORDER #: 2408545A

Work Order Summary

CLIENT:	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	**BILL TO:**	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514
PHONE:	850-471-6207	**P.O. #**	1MDPE
FAX:		**PROJECT #**	Fogelsou4-1MDPE
DATE RECEIVED:	08/21/2024	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	08/28/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	INF-08152024	TO-15	12.6 "Hg	1.9 psi
02A	EFF-08152024	TO-15	9.6 "Hg	1.8 psi
03A	Lab Blank	TO-15	NA	NA
03B	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
04B	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA
05B	LCS	TO-15	NA	NA
05BB	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 08/28/24

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2703122, NH NELAP–209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

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LABORATORY NARRATIVE
EPA Method TO-15
Eurofins Test America
Workorder# 2408545A

Two 6 Liter Summa Canister samples were received on August 21, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

The custody seal was attached to the shipping box in a manner that allowed the container to be opened without breaking the custody seal. The analysis proceeded.

Analytical Notes

Dilution was performed on sample INF-08152024 due to the presence of high level non-target species.

The recovery of surrogate Toluene-d8 in sample INF-08152024 was outside laboratory control limits due to high level hydrocarbon matrix interference. The surrogate recovery is flagged.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: INF-08152024

Lab ID#: 2408545A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethyl Benzene	49	1100	210	4800
m,p-Xylene	49	10000	210	44000
o-Xylene	49	5000	210	22000

Client Sample ID: EFF-08152024

Lab ID#: 2408545A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
m,p-Xylene	1.6	1.6 J	7.2	7.1 J

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Client Sample ID: INF-08152024

Lab ID#: 2408545A-01A

EPA METHOD TO-15 GC/MS

File Name:	**14082661**	**Date of Collection: 8/15/24 8:14:00 AM**	
Dil. Factor:	**9.73**	**Date of Analysis: 8/27/24 05:56 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	49	Not Detected	160	Not Detected
Toluene	49	Not Detected	180	Not Detected
Ethyl Benzene	49	1100	210	4800
m,p-Xylene	49	10000	210	44000
o-Xylene	49	5000	210	22000

Q = Exceeds Quality Control limits.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	156 Q	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: EFF-08152024

Lab ID#: 2408545A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a082728**	**Date of Collection: 8/15/24 7:59:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 8/28/24 05:54 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.82	Not Detected	2.6	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
Toluene	1.6	Not Detected	6.2	Not Detected
m,p-Xylene	1.6	1.6 J	7.2	7.1 J
o-Xylene	0.82	Not Detected	3.6	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2408545A-03A

EPA METHOD TO-15 GC/MS

File Name:	**14082634e**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/24 10:05 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	5.0	Not Detected	16	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2408545A-03B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a082708d**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 02:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
Toluene	1.0	Not Detected	3.8	Not Detected
m,p-Xylene	1.0	Not Detected	4.3	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV
Lab ID#: 2408545A-04A
EPA METHOD TO-15 GC/MS

File Name:	**14082631**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/24 09:00 PM**	

Compound	%Recovery
Benzene	108
Toluene	106
Ethyl Benzene	105
m,p-Xylene	106
o-Xylene	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: CCV

Lab ID#: 2408545A-04B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a082703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 10:22 AM**	

Compound	%Recovery
Benzene	92
Ethyl Benzene	102
Toluene	93
m,p-Xylene	101
o-Xylene	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: LCS

Lab ID#: 2408545A-05A

EPA METHOD TO-15 GC/MS

File Name:	**14082632**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/24 09:21 PM**	

Compound	%Recovery	Method Limits
Benzene	109	70-130
Toluene	104	70-130
Ethyl Benzene	107	70-130
m,p-Xylene	106	70-130
o-Xylene	105	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCSD

Lab ID#: 2408545A-05AA

EPA METHOD TO-15 GC/MS

File Name:	**14082633**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/26/24 09:43 PM**	

Compound	%Recovery	Method Limits
Benzene	107	70-130
Toluene	105	70-130
Ethyl Benzene	110	70-130
m,p-Xylene	106	70-130
o-Xylene	105	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 2408545A-05B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a082704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 10:57 AM**	

Compound	%Recovery	Method Limits
Benzene	93	70-130
Ethyl Benzene	104	70-130
Toluene	92	70-130
m,p-Xylene	100	70-130
o-Xylene	100	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: LCSD

Lab ID#: 2408545A-05BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**a082705**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 11:32 AM**	

Compound	%Recovery	Method Limits
Benzene	93	70-130
Ethyl Benzene	104	70-130
Toluene	90	70-130
m,p-Xylene	98	70-130
o-Xylene	98	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	104	70-130

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Method : TO-15 (Sh)-BTEX only

CAS Number	Compound	Rpt. Limit (ppbv)
71-43-2	Benzene	0.50
100-41-4	Ethyl Benzene	0.50
108-88-3	Toluene	1.0
108-38-3	m,p-Xylene	1.0
95-47-6	o-Xylene	0.50

	Surrogate	Method Limits
17060-07-0	1,2-Dichloroethane-d4	70-130
2037-26-5	Toluene-d8	70-130
460-00-4	4-Bromofluorobenzene	70-130

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8/28/2024
Ms. Isabel Enfinger
Eurofins Test America
3355 McLemore Dr.

Pensacola FL 32514

Project Name: Fogelsou4-1MDPE
Project #:
Workorder #: 2408545B

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 8/21/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

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WORK ORDER #: 2408545B

Work Order Summary

CLIENT:	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	**BILL TO:**	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514
PHONE:	850-471-6207	**P.O. #**	1MDPE
FAX:		**PROJECT #**	Fogelsou4-1MDPE
DATE RECEIVED:	08/21/2024	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	08/28/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	INF-08152024	Modified TO-3	12.6 "Hg	1.9 psi
02A	EFF-08152024	Modified TO-3	9.6 "Hg	1.8 psi
03A	Lab Blank	Modified TO-3	NA	NA
04A	CCV	Modified TO-3	NA	NA
05A	LCS	Modified TO-3	NA	NA
05AA	LCSD	Modified TO-3	NA	NA

CERTIFIED BY: Heidi Rayos DATE: 08/28/24

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2703122, NH NELAP–209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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(916) 985-1000

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LABORATORY NARRATIVE
Modified TO-3
Eurofins Test America
Workorder# 2408545B

Two 6 Liter Summa Canister samples were received on August 21, 2024. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The TPH results are calculated using the response of Octane. A molecular weight of 114 is used to convert the TPH ppmv result to mg/m3. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples.
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

The custody seal was attached to the shipping box in a manner that allowed the container to be opened without breaking the custody seal. The analysis proceeded.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: INF-08152024

Lab ID#: 2408545B-01A

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	1.2	5.7	540	2500

Client Sample ID: EFF-08152024

Lab ID#: 2408545B-02A

No Detections Were Found.

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Client Sample ID: INF-08152024

Lab ID#: 2408545B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d082707**	**Date of Collection: 8/15/24 8:14:00 AM**	
Dil. Factor:	**48.8**	**Date of Analysis: 8/27/24 01:28 PM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	1.2	5.7	540	2500

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	80	75-150

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Client Sample ID: EFF-08152024

Lab ID#: 2408545B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d082704**	**Date of Collection: 8/15/24 7:59:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 8/27/24 11:26 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.041	0.19	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	82	75-150

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Client Sample ID: Lab Blank

Lab ID#: 2408545B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d082703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 10:25 AM**	

Compound	Rpt. Limit (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.025	0.12	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	81	75-150

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Client Sample ID: CCV

Lab ID#: 2408545B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d082701**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 09:12 AM**	

Compound	**%Recovery**
Octane	78

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	113	75-150

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Client Sample ID: LCS

Lab ID#: 2408545B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d082702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 09:48 AM**	

Compound	**%Recovery**	**Method Limits**
Octane	85	75-125

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	84	75-150

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Client Sample ID: LCSD

Lab ID#: 2408545B-05AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d082710**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/27/24 03:38 PM**	

Compound	**%Recovery**	**Method Limits**
Octane	104	75-125

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	84	75-150

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Method : Modified TO-3 (Sp)-TPHg (C5-C10 ref.to Octane)

CAS Number	Compound	Rpt. Limit (ppmv)
9999-9999-556	TPHg (C5-C10 ref. Octane)	0.025

	Surrogate	Method Limits
462-06-602	Fluorobenzene (FID)	75-150

CalClean Inc.

ATTACHMENT 2

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM
FIELD DATA SHEETS

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 7/15/2024 Page 1 of 14

Client: Operator (s): Demetrius Cummings

EXTRACTION WELLS

Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Well I.D. MW-10 Off/On (ppmv)	MW-10 DTW Static Vac (ft)	MW-10 Stinger Depth (feet)	MW-5 Off/On (ppmv)	MW-5 DTW Static Vac (ft)	MW-5 Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	232380 Water Meter Readings units	Cumul. Water Extracted gals
					Screen Interval: From-To (ft) DTP	DTW	TD	DTP	DTW	TD											
					Initial Depth To Water DTW (ft) 49.23	49.14	57.51	45.78	45.43	54.56											
7/15							50			46'										232380	
1045	18	49	1459	7600	OFF			ON	22											232380	∅
1100	17	46	1454	6380	ON	15		OFF												232380	∅
1110	14	63	1462	6400	ON	12		ON	12											232380	∅
1300	14	68	1463	3780	ON	12		ON	12											232380	∅
1500	14	68	1457	3370	ON	12		ON	12											232380	∅
1600	14	69	1455	3160	ON	12		ON	12											232380	∅
7/16																					
0800	12	76	1455	2410	ON	10		ON	10											232380	∅
1019	12	81	1457	2370	ON	11	51'	ON	11	47										232380	∅
1200	12	81	1451	2100	ON	11		ON	11											232380	∅
1230	13	79	1459	1970	ON	11	52'	ON	11	48'										232380	∅
1600	13	84	1451	1740	ON	11		ON	11											232380	∅
7/17																					
0800	11	87	1449	1315	ON	11		ON	11											232380	∅
1200	11	87	1449	1300	ON	11		ON	11											232380	∅
1520	11	87	1675	282	ON	8		ON	8											232380	∅
1600	11	87	680	1298	ON	8		ON	8											232380	∅

Comments: @1045 PUT ON THE SYSTEM @1045 TOOK INDIVIDUAL READINGS ON MW-5, @1100 TOOK READING ON MW-10, @1110 TOOK TOTAL INLET READINGS 7/16/24 @1019 DROP THE STINGERS 1FT ON MW-10, MW-5 @1230 DROP STINGER 1FT DOWN @1600 TAKING STACK SAMPLES (OPPMV) PUT IT IN A CANISTER 7/17/23 @1500 SWITCH TO CAT MODE @1510 TAKE A STACK READING (OPPMV)

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 7/18/2024 Page 2 of 14

Client: Operator (s): DEMETRIUS CUMMINGS

EXTRACTION WELLS

Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Well I.D. MW-5 Off/On (ppmv)	MW-5 DTW WELL VAC (ft)	MW-5 Stinger Depth (feet)	MW-10 Off/On (ppmv)	MW-10 DTW WELL VAC (ft)	MW-10 Stinger Depth (feet)	WELLVAC ON EXTRACTIONS Off/On MW-5 (ppmv)	DTW MW-10 IN H2O (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	232380 Water Meter Readings units	Cumul. Water Extracted gals
					DTP / DTW / TD: 45.73 / 45.43 / 54.60			DTP / DTW / TD: 49.23 / 49.14 / 57.61														
					Initial Depth To Water DTW (ft)																
7/18					ON		48'	ON		52'	MANOMETER										
0800	10	87	654	1220		11			11											232380	Ø
1200	11	87	657	1110		11			11											232380	Ø
1600	11	87	659	1136		9			9		49.96	3								232380	Ø
7/19																					
0800	10	87	665	1039		9			9		56.86	4								232380	Ø
1200	10	87	671	1045		9			9		51.53	3								232380	Ø
1600	10	87	677	1034		9			9		56.55	3								232380	Ø
7/20																					
0800	10	87	676	1000		9			9		56.81	4								232380	Ø
1200	10	87	678	1023		9			9		54.60	3								232380	Ø
1600	10	87	674	987		9			9		54.51	3								232380	Ø
7/21																					
0800	10	87	650	870		8			8		53.50	4								232380	Ø
1100	10	87	670	894	ON	8		ON	8		53.30	3								232380	Ø
1110	15	55	650	972	ON	17		OFF			65.62	1								232380	Ø
1120	15	55	654	906	OFF			ON	13		—	3								232380	Ø
1130					ON			ON													
1430	10	87	675	934	ON	8		ON	8		53.25	3								232380	Ø

Comments: 7/18/24 @1420 Added the extension to the wells to get vacuum from the MW-5, MW-10 Readings @1445 took A stack reading (0 PPMV) @1610 on MW-5 49.59 Reading w/ manometer, on MW-10 3 IN. H2O VAC, 7/19/24 @0805 took stack reading (0 PPMV) @1052 had a propane delivery today, 7/20/24 @0815 took a stack reading (0 PPMV) 7/21/24 @1100 Steve want individual readings @1110 took stack reading 0 PPMV @1430 took vapor samples w/ consultant, stack:

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 7/22/2024 Page 3 of 14

Client: Operator (s): Demetrius Cummings

EXTRACTION WELLS

	Well I.D.				MW-5			MW-10												232380	Cumul.
	Screen Interval: From-To (ft)				DTP / DTW / TD			DTP / DTW / TD			WELL VAC									Water Meter	Water
	Initial Depth To Water DTW (ft)				45.73 / 45.43 / 51.56			49.23 / 49.14 / 57.51			ON EXTRACTION									Readings	Extracted
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	~~Off/On~~ MW-5 (ppmv)	~~DTW~~ MW-10 (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
7/22					ON		48'	ON		52'	MANO Meter										
0800	10	87	678	856	ON	8		ON	8		52.93	4								232380	Ø
0810	15	55	651	972	ON	14		Off	–		65.74	–								232380	Ø
0820	15	56	649	890	Off	–		ON	14		–	3								232380	Ø
0825					ON			ON													
1200	10	87	652	920	ON	8		ON	8		53.03	3								232380	Ø
1600	10	87	647	900	ON	8		ON	8		52.92	3								232380	Ø
7/23																					
0800	10	87	651	863	ON	8		ON	8		51.68	4								232380	Ø
0810	15	55	654	961	ON	14		Off	–		63.83	–								232380	Ø
0820	15	55	657	909	Off	–		ON	14		–	4								232380	Ø
0825					ON			ON													
1200	10	87	652	884	ON	8		ON	8		51.41	4								232380	Ø
1600	10	87	659	888	ON	8		ON	8		51.37	4								232380	Ø
7/24																					
0800	10	87	653	873	ON	8		ON	8		51.32	4								232380	Ø
0810	15	56	649	952	ON	14		Off	–		63.31	–								232380	Ø
0820	15	55	655	894	Off	–		ON	14		–	4								232380	Ø
0825					ON			ON													
1200	10	87	651	900	ON	8		ON	8		51.22	4								232380	Ø
1300	10	87	654	834	ON	8	51'	ON	8	55'	51.30	4								232380	Ø

Comments: 7/22/24 @0800 TOOK STACK READING (PPMV) @0800 IM TAKING A TOTAL INLET, INDIVIDUALS ONCE A DAY PER STATE ON A DAILY, 7/23/24 @0800 TOOK STACK READING (PPMV) @0800 I TOOK TOTAL INLET & INDIVIDUAL READINGS, 7/24/24 @0800 TOOK STACK READING (PPMV) @0800 TOOK TOTAL INLET, INDIVIDUAL READINGS @1300 I DROP THE STINGER DOWN ON MW-5, MW-10 3FT

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN **City:** NEAR BLOOMFIELD **Site #:** FOGELSON 4-1 **Date:** 7/24/2024 **Page** 4 of 14

Client: **Operator (s):** Demetrius Cummings

EXTRACTION WELLS

	Well I.D.				MW-5			MW-10												232380	Cumul.
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	WELL VAC									Water Meter	Water
	Initial Depth To Water DTW (ft)				45.73	45.43	54.56	49.23	49.14	57.51	ON EXTRACTION									Readings	Extracted
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC	Stinger Depth (feet)	~~Off/On~~ MW-5 (ppmv)	~~DTW~~ MW-10 (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
7/24					ON		51	ON		55'	MANOMETER	MANOMETER									
1600	10	87	671	833	ON	10		ON	10		51.41	21.53								232380	Ø
7/25 0800	11	81	677	810	ON	10		ON	10		54.66	20.93								232380	Ø
0810	14	57	673	877	ON	14		OFF	–		63.32	–								232380	Ø
0820	14	57	657	845	OFF	–		ON	14		–	22.65								232380	Ø
0825					ON			ON													
0930					ON		53	ON		56											
1200	11	79	661	857	ON	10		ON	10		57.17	20.87								232380	Ø
1600	11	79	670	845	ON	10		ON	10		56.44	19.91								232380	Ø
7/26																					
0800	11	79	668	770	ON	10		ON	10		57.01	20.30								232380	Ø
0810	14	57	659	888	ON	14		OFF	–		62.15	–								232380	Ø
0820	19	39	663	761	OFF	–		ON	18		–	21.96								232380	Ø
0825					ON			ON													
1200	11	74	671	835	ON	10		ON	10		56.50	20.70								232380	Ø
1600	12	74	660	843	ON	10		ON	10		55.58	19.93								232380	Ø
1705																				Changed out Meter	2064 gals

Comments: 7/24/24 @1600 ON MW-10 HAD TO SWITCH FROM INLET TO MANOMETER, 7/25/24 @ 0800 I TOOK THE STACK READING (0 PPMV), 0800 I'M TAKING TOTAL INLET, INDIVIDUAL READINGS, @ 0930 DROP STINGER A FT from the bottom of MW-5, MW-10, 7/26/24 @ 0800 TOOK A STACK SAMPLE, TOOK INDIVIDUAL READINGS @ 1705 I HAD TO SWITCH WATER METER AT DISCHARGE 2064 GALLONS DIDN'T SHOW UP ON WATER COUNTER SO I SWITCH THE METER. NEW COUNTER 2467170

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 7/27/2024 Page 5 of 14

Client:

Operator (s): Demetrius Cummings

EXTRACTION WELLS

	Well I.D.				MW-1R			MW-5			MW-10									246710	Cumul.
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELL VAC						Water Meter Readings	Water Extracted
	Initial Depth To Water DTW (ft)				0	48.44	57.22	46.73	45.43	54.56	49.23	49.14	67.51	ON EXTRACTION							
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	~~Stinger Depth~~ MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
7/27					Off			ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	12	71	1660	799	Off			ON	10		ON	10		Off	55.60	18.30				2467190	20
0810	14	55	1665	905	Off			ON	14		Off	–		–	61.22	–				2467190	20
0820	19	39	1671	883	Off			Off	–		ON	19		–	–	19.31				2467190	20
0825					Off			ON			ON									2467190	20
1000	11	73	1657	794	ON	0	2'	ON	9		ON	9		1.56	50.06	18.93				2467190	20
1200	10	87	1661	1513	ON	9		ON	9		ON	9		53.79	49.89	17.53				2467190	20
1600	10	87	1432	1890	ON	8		ON	8		ON	8		63.75	48.40	17.23				2467190	20
7/28																					
0800	9	92	1447	2150	ON	8		ON	8		ON	8		77.55	48.80	16.99				2467190	20
0810	16	45	1456	2440	ON	13		Off	–		Off	–		77.55	–	–				2467190	20
0820	15	55	1451	2150	Off	–		ON	14		Off	–		–	63.52	–				2467190	20
0830	19	39	1457	1871	Off	–		Off	–		ON	19		–	–	17.27				2467190	20
0835					ON			ON			ON										
1200	9	95	1453	2090	ON	8		ON	8		ON	8		77.55	47.60	17.19				2467190	20
1500	9	95	1450	2030	ON	8		ON	8		ON	8		77.61	47.32	17.17				2467190	20

Comments: 7/27/24 @ 0800 took STACK READING (0PPMV) @ 0800 took TOTAL INLET, INDIVIDUAL READINGS, @ 1000 PUT MW-1R ONLINE PER SEAN @ 25% ON MANIFOLD @ 1615 switch from CAT mode to THERMO mode, 7/28/24 @ 1219 WE SWITCH BACK TO CAT MODE FROM THERMO MODE, @ 1500 took A ~~STACK READING~~ (0PPMV)

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc. (714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 7/29/2024 Page 60 of 14

Client: Operator (s): Demetrius Cummings

EXTRACTION WELLS

Well I.D.					MW-1R			MW-5			MW-10									246710	Cumul.
Screen Interval: From-To (ft)					DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELLVAC						Water Meter Readings	Water Extracted
Initial Depth To Water DTW (ft)					Ø	48.44	57.22	46.73	45.42	64.56	49.23	49.14	57.51	EXTRACTIONS							
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
7/29					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	8	96	651	1966	ON	7		ON	7		ON	7		70.43	46.69	17.63				246790	20
0810	15	52	660	2970	ON	12		Off	-		Off	-		71.72	-	-				246790	20
0820	15	55	657	2270	Off	-		ON	14		Off	-		-	65.87	-				246790	20
0830	19	39	637	1958	Off	-		Off	-		ON	19		-	-	17.95				246790	20
0835					ON			ON			ON										
1200	8	96	663	1951	ON	7		ON	7		ON	7		76.12	47.35	17.67				246790	20
1600	8	96	669	1943	ON	7		ON	7		ON	7		68.27	47.46	17.43				246790	20
7/30																					
0800	8	96	671	1871	ON	7		ON	7		ON	7		65.60	46.71	16.91				246790	20
0810	15	61	656	2860	ON	12		Off	-		Off	-		71.66	-	-				246790	20
0820	15	55	669	2390	Off	-		ON	14		Off	-		-	65.72	-				246790	20
0830	19	39	653	1703	Off	-		Off	-		ON	19		-	-	17.21				246790	20
0835					ON			ON			ON										
1200	8	96	671	1941	ON	7		ON	7		ON	7		63.57	45.71	16.64				246790	20
1600	8	96	676	1890	ON	7		ON	7		ON	7		60.19	45.38	16.32				246790	20

Comments: 7/29/24 @ 0800 took A stack readings, total inlet, individual readings, 7/30/24 @ 0800 took A stack readings, total inlet, individual readings @ 1340 had a propane delivery

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN **City:** NEAR BLOOMFIELD **Site #:** FOGELSON 4-1 Date: 7/31/2024 Page 7 of 14

Client: Operator (s): Demetrius Cummings

EXTRACTION WELLS

	Well I.D.				MW-1R			MW-5			MW-10									246770 Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELL VAC EXTRACTIONS							
	Initial Depth To Water DTW (ft)				0	48.44	57.22	45.73	45.43	54.56	49.23	49.14	57.51								
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ Well VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ Well VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ Well VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
7/31					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	8	98	671	1711	ON	7		ON	7		ON	7		59.20	45.50	15.97				246790	20
0810	14	57	654	2360	ON	12		Off	–		Off	–		77.68	–	–				246790	20
0820	15	55	661	2290	Off	–		ON	14		Off	–		–	65.36	–				246790	20
0830	19	39	657	1983	Off	–		Off	–		ON	19		–	–	17.09				246790	20
0835					ON			ON			ON										
1200	8	98	671	1737	ON	7		ON	7		ON	7		57.36	46.53	15.79				246790	20
1600	8	98	669	1700	ON	7		ON	7		ON	7		56.66	46.41	15.63				246790	20
8/1																					
0800	8	98	673	1615	ON	7		ON	7		ON	7		50.66	46.50	14.92				246790	20
0810	15	55	668	2380	ON	12		Off	–		Off	–		77.63	–	–				246790	20
0820	15	55	661	2290	Off	–		ON	14		Off	–		–	65.42	–				246790	20
0830	19	39	644	2000	Off			Off			ON	19		–	–	16.44				246790	20
0835					ON			ON			ON										
1200	8	98	653	1938	ON	7		ON	7		ON	7		61.00	45.97	14.40				246790	20
1600	8	98	662	1904	ON	7		ON	7		ON	7		60.13	45.48					246790	20

Comments: 7/31/24 @ 0800 took stack reading (OPPMV), total inlet, individual readings, 8/1/24 @ 0800 took stack readings (OPPMV), total inlet, individual readings

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN **City:** NEAR BLOOMFIELD **Site #:** FOGELSON 4-1 **Date:** 8/2/2024

Client:

Operator (s): DEMETRIUS CUMMINGS

EXTRACTION WELLS

Well I.D.					MW-1R			MW-5			MW-10			WELL VAC EXTRACTIONS						246710 Water Meter Readings	Cumul. Water Extracted
Screen Interval: From-To (ft)					DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD								
Initial Depth To Water DTW (ft)					0	49.44	57.22	45.73	46.43	64.56	49.20	[illegible]	57.51								
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
8/2					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	8	98	663	1706	ON	7		ON	7		ON	7		60.58	45.45	14.03				246790	20
0810	13	65	671	2440	ON	12		Off	–		Off	–		77.76	–	–				246790	20
0820	16	55	655	2070	Off	–		ON	14		Off	–		–	66.19	–				246790	20
0830	21	28	633	2040	Off	–		Off	–		ON	21		–	–	13.70				246790	20
0835					ON			ON			ON									246790	20
1200	7	100	659	1673	ON	6		ON	6		ON	6		57.05	43.34	12.81				246790	20
1600	7	100	670	1660	ON	6		ON	6		ON	6		55.26	44.68	12.64				246790	20
8/3																					
0900	7	100	664	1630	ON	6		ON	6		ON	6		56.36	43.31	12.30				246790	20
0810	13	65	652	2270	ON	12		Off	–		Off	–		77.62	–	–				246790	20
0820	15	61	661	1944	Off	–		ON	14		Off	–		–	66.74	–				246790	20
0830	21	28	649	1971	Off	–		Off	–		ON	21		–	–	12.52				246790	20
0835					ON			ON			ON										
1200	7	100	668	1680	ON	6		ON	6		ON	6		55.66	44.23	12.70				246790	20
1600	7	108	671	1590	ON	6		ON	6		ON	6		56.34	43.51	12.45				246790	20

Comments: 8/2/24@0800 took stack readings (OPPMV), total inlet, individual readings, 8/3/24@0800 took stack readings (OPPMV) total inlet, individual readings

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 8/4/2024 Page 9 of 14

Client: Operator (s): DEMETRIUS CUMMINGS

EXTRACTION WELLS

	Well I.D.				MW-1R			MW-5			MW-10									246710 Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELL VAC EXTRACTIONS							
	Initial Depth To Water DTW (ft)				Ø	48.44	57.22	45.73	45.43	54.56	49.23	49.14	57.51								
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
8/4					ON		2'	ON		53'	ON		55'	MANOMETER	MANOMETER	MANOMETER					
0800	7	103	654	1470	ON	6		ON	6		ON	6		54.71	43.46	12.24				246790	20
0810	13	65	658	2190	ON	12		Off	–		Off	–		71.66	–	–				246790	20
0820	15	61	653	2050	Off	–		ON	14		Off	–		–	67.66	–				246790	20
0830	19	35	634	1841	Off	–		Off	–		ON	19		–	–	16.30				246790	20
0835					ON			ON			ON										
1200	7	103	647	1518	ON	6		ON	6		ON	6		55.35	43.51	12.31				246790	20
1500	7	103	6163	1529	ON	6		ON	6		ON	6		52.95	43.04	12.27				246790	20
8/5																					
0800	7	103	656	1440	ON	6		ON	6		ON	6		53.18	43.34	12.26				246790	20
0810	13	65	643	2020	ON	12		Off	–		Off	–		75.84	–	–				246790	20
0820	15	61	646	1840	Off	–		ON	14		Off	–		–	67.71	–				246790	20
0830	19	35	639	1647	Off	–		Off	–		ON	19		–	–	16.10				246790	20
0835					ON			ON			ON										
0845					Off			ON			ON										
0850					ON			ON			ON										
1200	7	103	674	1420	ON	6		ON	6		ON	6		51.31	42.63	11.89				246790	20
1600	7	103	667	1475	ON	6		ON	6		ON	6		51.23	43.03	11.39				246790	20

Comments: 8/4/24 @ 0800 took stack readings, total inlet, individual readings, 8/5/24 @ 0800 took stack reading (0PP) total inlet, individual readings. @ 0845 I took MW-1R off line, @ 0850 MW-1R is back on line

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 8/6/2024 Page 10 of 14

Client:

Operator (s): DANIEL CUMMINGS

EXTRACTION WELLS

Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	MW-1R Off/On (ppmv)	MW-1R DTW Well VAC (ft)	MW-1R Stinger Depth (feet)	MW-5 Off/On (ppmv)	MW-5 DTW Well VAC (ft)	MW-5 Stinger Depth (feet)	MW-10 Off/On (ppmv)	MW-10 DTW Well VAC (ft)	MW-10 Stinger Depth (feet)	WELL VAC EXTRACTIONS Off/On MW1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	2467170 Water Meter Readings units	Cumul. Water Extracted gals
					DTP Ø	DTW 48.41	TD 57.22	DTP 45.73	DTW 45.48	TD 54.56	DTP 49.23	DTW 49.14	TD 57.51								
					Initial Depth To Water DTW (ft)																
8/6					ON		2'	ON		53	ON		55'	MANO METER	MANO METER	MANO METER					
0800	7	103	654	1256	ON	6		ON	6		ON	6		53.44	43.31	10.96				2467190	20
0810	13	65	642	2000	ON	12		Off	-		Off	-		73.98	-	-				2467190	20
0820	15	61	651	1731	Off	-		ON	14		Off	-		-	68.25	-				2467190	20
0830	19	35	644	1537	Off	-		Off			ON	19		-	-	15.98				2467190	20
0835					ON			ON			ON										
1200	7	103	656	1338	ON	6		ON	6		ON	6		51.21	43.20	10.68				2467190	20
1600	7	103	661	1359	ON	6		ON	6		ON	6		50.58	42.5	10.99				2467190	20
8/7																					
0800	7	103	671	1210	ON	6		ON	6		ON	6		51.15	43.12	12.10				2467190	20
0810	13	65	667	1950	ON	12		Off	-		Off	-		73.62	-	-				2467190	20
0820	15	61	673	1907	Off	-		ON	14		Off	-		-	68.57	-				2467190	20
0830	19	35	653	1672	Off	-		Off	-		ON	19		-	-	16.17				2467190	20
0835					ON			ON			ON										
1200	7	103	665	1281	ON	6		ON	6		ON	6		48.98	43.21	12.31				2467190	20
1600	7	103	671	1293	ON	6		ON	6		ON	6		49.61	43.10	12.26				2467190	20

Comments: 8/6/24 @ 0800 took A Stack Readings (ppmv), total inlet, individual Readings. 8/7/24 @ 0800 took A Stack Readings (ppmv) total inlet, individual Readings

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN **City:** NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 8/8/2024 Page 11 of 14

Client: Operator (s): Demetrius Cummings

EXTRACTION WELLS

	Well I.D.				MW-1R			MW-5			MW-10									246770	Cumul.
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	Well VAC						Water Meter Readings	Water Extracted
	Initial Depth To Water DTW (ft)				0	48.44	57.22	45.73	45.43	54.56	49.23	49.14	57.5	extractions							
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ Well VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ Well VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ Well VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
8/8					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	7	103	669	1240	ON	6		ON	6		ON	6		52.35	46.56	12.04				246790	20
0810	13	65	673	1900	ON	12		Off	—		Off	—		73.27	—	—				246790	20
0820	15	61	657	1790	Off	—		ON	14		Off	—		—	70.11	—				246790	20
0830	19	35	661	1650	Off	—		Off	—		ON	19		—	—	17.04				246790	20
0835					ON			ON			ON										
1200	7	105	667	1273	ON	6		ON	6		ON	6		50.52	44.55	12.78				246790	20
1600	7	106	671	1302	ON	6		ON	6		ON	6		49.75	43.5	12.74				246790	20
8/9																					
0800	7	105	672	1181	ON	6		ON	6		ON	6		50.68	44.15	12.57				246790	20
0810	13	65	651	1873	ON	12		Off	—		Off	—		73.51	—	—				246790	20
0820	15	61	657	1740	Off	—		ON	14		Off	—		—	69.81	—				246790	20
0830	19	35	659	1599	Off	—		Off	—		ON	19		—	—	16.92				246790	20
0835					ON			ON			ON										
1200	7	104	671	1237	ON	6		ON	6		ON	6		49.78	43.77	13.31				246790	20
1600	7	104	668	1201	ON	6		ON	6		ON	6		49.03	43.41	13.01				246790	20

Comments: 8/8/24 @ 0800 took A stack Readings (ppmv), total inlet, individual Readings. 8/9/24 @ 0800 took A stack Readings (ppmv), total inlet, individual Readings

HIGH VACUUM [ ] SVE or [ ] DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 8/10/2024 Page 12 of 14

Client: Operator (s): Dimetrios/Jmmings

EXTRACTION WELLS

	Well I.D.	MW-1R			MW-5			MW-10									246710	Cumul.
	Screen Interval: From-To (ft)	DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELLVAC EXTRACTIONS						Water Meter Readings	Water Extracted
	Initial Depth To Water DTW (ft)	Ø	48.44	57.22	45.73	45.43	54.56	49.23	49.14	57.51								
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
8/10					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	7	104	671	1150	ON	6		ON	6		ON	6		49.86	43.97	13.09				246790	20
0810	13	65	664	1853	ON	12		Off	—		Off	—		7052	—	—				246790	20
0820	15	61	659	1710	Off	—		ON	14		Off	—		—	69.60	—				246790	20
0830	19	35	667	1562	Off	—		Off	—		ON	19		—	—	16.83				246790	20
0835					ON			ON			ON										
1200	7	104	669	1165	ON	6		ON	6		ON	6		49.37	44.01	13.17				246790	20
1600	7	104	670	1171	ON	6		ON	6		ON	6		49.8	43.97	13.04				246790	20
8/11																					
0800	7	104	656	1044	ON	6		ON	6		ON	6		49.42	43.90	12.92				246790	20
0810	12	74	647	1442	ON	11		Off	—		Off	—		69.58	—	—				246790	20
0820	15	61	659	1360	Off	—		ON	14		Off	—		—	69.71	—				246790	20
0830	19	35	648	1275	Off	—		Off	—		ON	19		—	—	16.44				246790	20
0835					ON			ON			ON										
1200	7	104	643	1136	ON	6		ON	6		ON	6		49.83	43.62	13.06				246790	20
1500	7	104	674	1123	ON	6		ON	6		ON	6		49.69	43.58	12.66				246790	20

Comments: 8/10/24 @ 0800 TOOK A STACK READING, TOTAL INLET, INDIVIDUAL READINGS. 8/11/24 @ 0800 TOOK A STACK READING, TOTAL INLET, INDIVIDUAL READINGS

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 8/12/2024 Page 13 of 14

Client: Operator (s): Demetrius Cummings

EXTRACTION WELLS

	Well I.D.				MW-1R			MW-5			MW-10									246170	Cumul.
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELL VAC						Water Meter Readings	Water Extracted
	Initial Depth To Water DTW (ft)				Ø	48.44	57.22	45.73	45.43	54.56	49.23	49.14	57.51	EXTRACTIONS							
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
8/12					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	7	104	671	1021	ON	6		ON	6		ON	6		49.03	44.15	12.61				246190	20
0810	12	74	663	1433	ON	11		OFF	—		OFF	—		69.34	—	—				246190	20
0820	15	61	668	1350	OFF	—		ON	14		OFF	—		—	68.34	—				246190	20
0830	19	35	657	1239	OFF	—		OFF	—		ON	19		—	—	16.83				246190	20
0835					ON			ON			ON										
1200	7	101	673	1047	ON	6		ON	6		ON	6		48.27	43.00	13.01				246190	20
1600	7	104	678	1119	ON	6		ON	6		ON	6		47.93	43.98	13.16				246190	20
8/13																					
0800	7	106	657	1053	ON	6		ON	6		ON	6		49.53	44.06	12.85				246190	20
0810	12	76	673	1354	ON	11		OFF	-		OFF	-		68.27	←	←				246190	20
0820	15	61	665	1326	OFF	-		ON	14		OFF	-		—	70.16	—				246190	20
0830	19	45	641	1263	OFF	-		OFF	-		ON	19		—	—	17.21				246190	20
0835					ON			ON			ON										
1200	7	108	663	1065	ON	6		ON	6		ON	6		49.07	43.98	13.26				246190	20
1600	7	108	669	1043	ON	6		ON	6		ON	6		48.00	43.45	12.98				246190	20

Comments: 8/12/24 @ 0800 took A stack reading (OPPMV), total inlet, individual readings @ 1045 unit was down @ 1200 was replaced back on @ 8/13/24 @ 0800 took A stack reading (OPPMV) total inlet, individual readings

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CalClean Inc.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 8/14/2024 Page 14 of 14

Client: Operator (s): DemetriusCummings

EXTRACTION WELLS

	Well I.D.				MW-1R			MW-5			MW-10										
	Screen Interval: From-To (ft)				DTP	DTW	TD	DTP	DTW	TD	DTP	DTW	TD	WELL VAC						246710	Cumul.
	Initial Depth To Water DTW (ft)				0	48.44	57.22	45.73	45.43	54.56	49.23	49.14	57.51	EXTRACTIONS						Water Meter Readings	Water Extracted
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On (ppmv)	~~DTW~~ WELL VAC (ft)	Stinger Depth (feet)	Off/On MW-1R (ppmv)	DTW MW-5 (ft)	Stinger Depth MW-10 (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals
8/14					ON		2'	ON		53'	ON		55'	MANO METER	MANO METER	MANO METER					
0800	7	106	667	1031	ON	6		ON	6		ON	6		48.45	43.79	12.70				246790	20
0810	12	76	655	1275	ON	11		Off	–		Off	–		68.36	–	–				246790	20
0820	15	61	661	1203	Off	–		ON	14		Off	–		–	69.88	–				246790	20
0830	19	45	671	1160	Off	–		Off	–		ON	19		–	–	17.00				246790	20
0835					ON			ON			ON										
1200	7	108	667	1252	ON	6		ON	6		ON	6		47.86	43.83	12.98				246790	20
1600	7	108	663	1045	ON	6		ON	6		ON	6		48.22	43.79	13.02				246790	20
8/15																					
0800	7	108	673	924	ON	6		ON	6		ON	6		48.17	43.90	13.00				246790	20
0810	12	76	662	1140	ON	11		Off	–		Off	–		68.50	–	–				246790	20
0820	15	59	639	1100	Off	–		ON	14		Off	–		–	70.98	–				246790	20
0830	19	45	671	1075	Off	–		Off			ON	19		–	–	17.00				246790	20
0835					ON			ON			ON										
0900					Off			Off			Off									246790	60

Comments: 8/14/24 @0800 took stack reading (0PPMV), total inlet, individuals readings, 8/15/24 @0800 took stack Reading (0PPMV), total inlet, individuals Reading, Scott from Stantec took stack, total inlet samples @ 0900 shut down unit

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1 Date: 7/15/2024 Page 1 of 7

Client:

Operator (s): Demetrius Wimming

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11															
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD														
DTW (ft)	48.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65														
Time	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
7/15/24																						
1120	0.02	48.48	0.23	47.65	0.33	49.92	0.51	50.36														
1215	0.02	48.48	0.23	47.65	0.33	49.92	0.51	50.36														
1515	0.10	48.45	0.24	47.68	0.01	49.86	0.52	50.35														
1615	0.02	48.46	0.28	47.70	0.01	49.83	0.52	50.34														
7/16																						
0700	0.07	48.47	0.14	47.95	0.34	49.93	0.13	50.32														
1100	0.11	48.48	0.18	48.00	0.31	49.94	0.47	50.32														
1500	0.04	48.41	0.10	48.02	0.18	49.89	0.38	50.32														
7/17																						
0700	0.19	48.43	0.24	48.13	0.15	49.99	0.26	50.32														
1100	0.27	48.45	0.36	48.20	0.23	49.97	0.24	50.33														
1500	0.45	48.45	0.22	48.20	0.35	49.93	0.17	50.32														
7/18																						
0700	0.17	48.52	0.30	48.28	0.17	50.09	0.22	50.32														
1100	0.15	48.52	0.30	48.28	0.19	50.02	0.26	50.32														
1500	0.19	48.45	0.25	48.21	0.16	49.94	0.51	50.32														
7/19																						
0700	0.24	48.52	0.22	48.25	0.21	50.01	0.19	50.32														
1100	0.25	48.53	0.33	48.25	0.25	50.00	0.16	50.32														
1500	0.22	48.50	0.31	48.19	0.19	49.91	0.53	50.32														

Comments: 7/15/24

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1

Date: 7 / 20 / 2024 Page 2 of 7

Client:

Operator (s): Demetrius Cummings

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11															
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD														
DTW (ft)	48.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65														
Time	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)	Vacuum "H2O	DTW (ft)
7/20																						
0700	0.22	48.51	0.24	48.25	0.37	50.00	0.37	50.32														
1100	0.18	48.52	0.30	48.21	0.32	50.01	0.54	50.29														
1500	0.16	48.51	0.33	48.23	0.34	50.01	0.41	50.32														
7/21																						
0700	0.19	48.52	0.25	48.25	0.38	49.91	0.56	50.32														
1130	0.21	48.51	0.28	48.25	0.47	50.00	0.57	50.32														
1500	0.24	48.50	0.32	48.15	1.02	49.85	0.57	50.28														
7/22																						
0700	0.24	48.51	0.35	48.22	0.42	50.00	0.55	50.28														
1100	0.18	48.53	0.32	48.23	0.37	50.00	0.54	50.32														
1500	0.19	48.50	0.34	48.16	0.93	49.83	0.61	50.32														
7/23																						
0700	0.17	48.53	0.31	48.22	0.44	50.01	0.56	50.30														
1100	0.19	48.52	0.33	48.23	0.46	49.92	0.54	50.31														
1500	0.23	48.56	0.30	48.24	0.54	49.91	0.57	50.32														
7/24																						
0700	0.18	48.53	0.30	48.25	0.47	49.95	0.53	50.31														
1100	0.21	48.55	0.31	48.27	0.41	50.03	0.51	50.32														
1500	0.19	48.52	0.32	48.22	0.55	49.92	0.56	50.32														

Comments: 7/20/24

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1

Date: 7/25/2024 Page 3 of 7

Client:

Operator (s): Dominic Cummings

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11															
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD														
DTW (ft)	48.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65														
Time	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
7/25																						
0700	0.25	48.40	0.30	48.24	0.42	50.05	0.44	50.32														
1100	0.20	48.57	0.24	48.22	0.47	49.92	0.51	50.32														
1500	0.19	48.60	0.22	48.15	0.44	49.90	0.47	50.28														
7/26																						
0700	0.17	48.51	0.37	48.11	0.56	49.91	0.41	50.28														
1100	0.22	48.51	0.26	48.11	0.51	49.93	0.38	50.25														
1500	0.24	48.48	0.24	48.06	0.53	49.82	0.39	50.28														
7/27																						
0700	0.24	48.50	0.26	48.02	0.42	49.90	0.39	50.26														
1000																						
1100			0.23	48.05	0.38	49.89	0.35	50.25														
1500			0.22	48.00	0.60	49.71	0.41	50.25														
7/28																						
0700			0.25	48.02	0.41	49.92	0.34	50.26														
1100			0.22	48.05	0.67	49.90	0.40	50.27														
1400			0.21	48.05	0.62	49.95	0.37	50.29														
7/29																						
0700			0.24	48.09	0.45	50.00	0.39	50.31														
1100			0.22	48.11	0.63	49.91	0.39	50.31														
1500			0.22	48.05	0.61	49.95	0.35	50.27														

Comments: 7/27/24 @ 1000 took MW-1R off line & made to extraction well

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1

Date: 7/30/2024 Page 4 of 7

Client:

Operator (s): Demetrius Cummings

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11															
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD														
DTW (ft)	48.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65														
Time	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
7/30																						
0700			0.24	48.05	0.70	49.91	0.36	50.28														
1100			0.22	48.06	0.57	49.93	0.32	50.29														
1500			0.19	48.00	0.49	49.94	0.33	50.29														
7/31																						
0700			0.23	48.02	0.75	49.87	0.34	50.25														
1100			0.23	48.05	0.80	49.92	0.33	50.27														
1500			0.22	48.01	0.74	49.93	0.32	50.26														
8/1																						
0700			0.26	48.07	0.91	49.93	0.30	50.27														
1100			0.32	48.04	0.89	50.05	0.33	50.25														
1500			0.21	48.06	0.76	49.99	0.31	50.29														
8/2																						
0700			0.24	48.10	0.82	50.06	0.27	50.30														
1100			0.30	48.09	0.78	50.06	0.29	50.29														
1500			0.34	48.03	0.69	49.99	0.28	50.28														
8/3																						
0700			0.21	48.03	0.83	49.97	0.26	50.29														
1100			0.26	48.06	0.76	50.00	0.23	50.31														
1500			0.34	48.00	0.70	49.90	0.21	50.28														

Comments: 7/30/24

HIGH VACUUM [ ] SVE or [ ] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1

Date: 8 / 4 / 2024 Page 5 of 7

Client: Operator (s): Demetrius Cummings

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11															
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD														
DTW (ft)	49.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65														
Time	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
8/4																						
0700			0.24	48.02	0.71	49.85	0.28	50.26														
1100			0.22	48.02	0.64	49.94	0.24	50.25														
1400			0.28	47.97	0.6	49.80	0.32	50.28														
8/5																						
0700			0.24	48.02	0.75	49.93	0.26	50.25														
0845	—	44.76	—	—	—	—	—	—														
1100			0.21	48.02	0.68	49.92	0.23	50.27														
1500			0.23	48.03	0.72	49.91	0.27	50.28														
8/6																						
0700			0.24	48.07	0.70	49.99	0.26	50.27														
1100			0.22	48.09	0.67	50.03	0.25	50.26														
1500			0.19	48.05	0.61	49.95	0.19	50.26														
8/7																						
0700			0.23	48.08	0.57	49.90	0.25	50.27														
1100			0.29	48.05	0.63	49.95	0.32	50.25														
1500			0.26	47.99	0.73	49.89	0.31	50.22														
8/8																						
0700			0.21	47.95	0.54	49.91	0.23	50.26														
1100			0.31	47.90	0.51	49.94	0.26	50.27														
1500			0.25	47.92	0.48	49.86	0.27	50.23														

Comments: 8/4/24, 8/5/24 @ 0845 Put MW-1R on observation to gauge for stable

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN City: NEAR BLOOMFIELD Site #: FOGELSON 4-1

Date: 8/9/2024 Page 6 of 7

Client:

Operator (s): Demetrius Cummings

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11															
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD														
DTW (ft)	48.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65														
Time	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
8/9																						
0700			0.30	48.02	0.59	49.93	0.27	50.25														
1100			0.34	48.02	0.51	50.02	0.29	50.24														
1500			0.41	48.00	0.47	49.95	0.26	50.26														
8/10																						
0700			0.34	48.05	0.50	49.92	0.31	50.25														
1100			0.31	48.04	0.47	50.03	0.29	50.26														
1500			0.27	48.02	0.45	49.90	0.27	50.24														
8/11																						
0700			0.24	48.03	0.41	50.00	0.30	50.26														
1100			0.27	48.07	0.39	50.02	0.32	50.27														
1400			0.33	48.03	0.36	50.05	0.33	50.23														
8/12																						
0700			0.26	48.05	0.33	49.95	0.31	50.25														
1100			0.27	48.01	0.35	49.95	0.27	50.26														
1500			0.24	47.98	0.31	49.92	0.25	50.27														
8/13																						
0700			0.23	48.00	0.28	49.95	0.19	50.26														
1100			0.34	48.03	0.27	50.02	0.33	50.30														
1500			0.31	48.01	0.31	50.00	0.35	50.27														

Comments: 8/9/24

HIGH VACUUM ☐ SVE or ☐ DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 936-2706

Project Location: SAN JUAN RIVER BASIN **City: NEAR BLOOMFIELD** Site #: **FOGELSON 4-1**

Date: 8/14/2024 Page 7 of 7

Client:

Operator (s): Demetrios Commings

OBSERVATION WELLS

WELL	MW-1R		MW-4		MW-9		MW-11													
SCREEN	DTW	TD	DTW	TD	DTW	TD	DTW	TD												
DTW (ft)	48.44	57.22	47.74	57.82	49.96	57.72	50.19	59.65												
Time	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
8/14																				
0700			0.22	48.05	0.25	50.01	0.27	50.28												
1100			0.31	48.06	0.22	50.00	0.33	50.26												
1500			0.43	48.03	0.20	49.94	0.32	50.24												
8/15																				
0700			0.40	48.07	0.20	50.01	0.35	50.27												

Comments: 8/14/23,

APPENDIX E

Groundwater Analytical Lab Reports

Stantec

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/31/2024 9:24:42 AM

JOB DESCRIPTION

Folgelson 4-1 Com #14.00

JOB NUMBER

400-256231-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

Generated
5/31/2024 9:24:42 AM

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(850)471-6222

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Laboratory Job ID: 400-256231-1

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Case Narrative

Client: Stantec Consulting Services, Inc. Job ID: 400-256231-1
Project: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1 Eurofins Pensacola

Job Narrative
400-256231-1

Receipt
The samples were received on 5/18/2024 8:32 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.5º C.

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

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

Detection Summary

Client: Stantec Consulting Services, Inc. Job ID: 400-256231-1
Project/Site: Folgelson 4-1 Com #14.00

Client Sample ID: TB-01 Lab Sample ID: 400-256231-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-256231-2

No Detections.

Client Sample ID: MW-1R Lab Sample ID: 400-256231-3

No Detections.

Client Sample ID: MW-4 Lab Sample ID: 400-256231-4

No Detections.

Client Sample ID: MW-7 Lab Sample ID: 400-256231-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	2.3		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-8 Lab Sample ID: 400-256231-6

No Detections.

Client Sample ID: MW-9 Lab Sample ID: 400-256231-7

No Detections.

Client Sample ID: MW-11 Lab Sample ID: 400-256231-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-256231-1	TB-01	Water	05/14/24 15:00	05/18/24 08:32
400-256231-2	DUP-01	Water	05/14/24 00:00	05/18/24 08:32
400-256231-3	MW-1R	Water	05/14/24 15:15	05/18/24 08:32
400-256231-4	MW-4	Water	05/14/24 15:30	05/18/24 08:32
400-256231-5	MW-7	Water	05/14/24 15:35	05/18/24 08:32
400-256231-6	MW-8	Water	05/14/24 15:40	05/18/24 08:32
400-256231-7	MW-9	Water	05/14/24 15:50	05/18/24 08:32
400-256231-8	MW-11	Water	05/14/24 15:55	05/18/24 08:32

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: TB-01

Date Collected: 05/14/24 15:00
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/24 19:16	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/24 19:16	1
Toluene	<1.0		1.0		ug/L			05/24/24 19:16	1
Xylenes, Total	<10		10		ug/L			05/24/24 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*05/24/24 19:16*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*05/24/24 19:16*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*05/24/24 19:16*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: DUP-01

Date Collected: 05/14/24 00:00
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/21/24 12:19	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/24 12:19	1
Toluene	<1.0		1.0		ug/L			05/21/24 12:19	1
Xylenes, Total	<10		10		ug/L			05/21/24 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*05/21/24 12:19*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*05/21/24 12:19*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*05/21/24 12:19*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-1R

Date Collected: 05/14/24 15:15
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/21/24 13:43	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/24 13:43	1
Toluene	<1.0		1.0		ug/L			05/21/24 13:43	1
Xylenes, Total	<10		10		ug/L			05/21/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*05/21/24 13:43*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*05/21/24 13:43*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/21/24 13:43*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-4

Date Collected: 05/14/24 15:30
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/21/24 14:04	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/24 14:04	1
Toluene	<1.0		1.0		ug/L			05/21/24 14:04	1
Xylenes, Total	<10		10		ug/L			05/21/24 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*05/21/24 14:04*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*05/21/24 14:04*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/21/24 14:04*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-7

Date Collected: 05/14/24 15:35
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10**		1.0		ug/L			05/21/24 14:25	1
Ethylbenzene	**2.3**		1.0		ug/L			05/21/24 14:25	1
Toluene	<1.0		1.0		ug/L			05/21/24 14:25	1
Xylenes, Total	<10		10		ug/L			05/21/24 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*05/21/24 14:25*	*1*
Dibromofluoromethane	*90*		*75 - 126*		*05/21/24 14:25*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*05/21/24 14:25*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-8

Date Collected: 05/14/24 15:40
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/21/24 14:46	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/24 14:46	1
Toluene	<1.0		1.0		ug/L			05/21/24 14:46	1
Xylenes, Total	<10		10		ug/L			05/21/24 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*05/21/24 14:46*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*05/21/24 14:46*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*05/21/24 14:46*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-9

Date Collected: 05/14/24 15:50
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/24 19:37	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/24 19:37	1
Toluene	<1.0		1.0		ug/L			05/24/24 19:37	1
Xylenes, Total	<10		10		ug/L			05/24/24 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*05/24/24 19:37*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*05/24/24 19:37*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*05/24/24 19:37*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-11

Date Collected: 05/14/24 15:55
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/24 19:58	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/24 19:58	1
Toluene	<1.0		1.0		ug/L			05/24/24 19:58	1
Xylenes, Total	<10		10		ug/L			05/24/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*05/24/24 19:58*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*05/24/24 19:58*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*05/24/24 19:58*	*1*

Definitions/Glossary

Client: Stantec Consulting Services, Inc. Job ID: 400-256231-1
Project/Site: Folgelson 4-1 Com #14.00

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: TB-01
Date Collected: 05/14/24 15:00
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672648	05/24/24 19:16	CAR	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/14/24 00:00
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 12:19	CAR	EET PEN

Client Sample ID: MW-1R
Date Collected: 05/14/24 15:15
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 13:43	CAR	EET PEN

Client Sample ID: MW-4
Date Collected: 05/14/24 15:30
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 14:04	CAR	EET PEN

Client Sample ID: MW-7
Date Collected: 05/14/24 15:35
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 14:25	CAR	EET PEN

Client Sample ID: MW-8
Date Collected: 05/14/24 15:40
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 14:46	CAR	EET PEN

Client Sample ID: MW-9
Date Collected: 05/14/24 15:50
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672648	05/24/24 19:37	CAR	EET PEN

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

Client Sample ID: MW-11
Date Collected: 05/14/24 15:55
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672648	05/24/24 19:58	CAR	EET PEN

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

Lab Sample ID: MB 400-672186/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 11:24	CAR	EET PEN

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

Lab Sample ID: MB 400-672648/6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672648	05/24/24 11:54	CAR	EET PEN

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

Lab Sample ID: LCS 400-672186/1001
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 09:58	CAR	EET PEN

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

Lab Sample ID: LCS 400-672648/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672648	05/24/24 10:17	CAR	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/14/24 00:00
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-2 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 12:41	CAR	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/14/24 00:00
Date Received: 05/18/24 08:32

Lab Sample ID: 400-256231-2 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	672186	05/21/24 13:02	CAR	EET PEN

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

Eurofins Pensacola

QC Association Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

GC/MS VOA

Analysis Batch: 672186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-256231-2	DUP-01	Total/NA	Water	8260D	
400-256231-3	MW-1R	Total/NA	Water	8260D	
400-256231-4	MW-4	Total/NA	Water	8260D	
400-256231-5	MW-7	Total/NA	Water	8260D	
400-256231-6	MW-8	Total/NA	Water	8260D	
MB 400-672186/4	Method Blank	Total/NA	Water	8260D	
LCS 400-672186/1001	Lab Control Sample	Total/NA	Water	8260D	
400-256231-2 MS	DUP-01	Total/NA	Water	8260D	
400-256231-2 MSD	DUP-01	Total/NA	Water	8260D	

Analysis Batch: 672648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-256231-1	TB-01	Total/NA	Water	8260D	
400-256231-7	MW-9	Total/NA	Water	8260D	
400-256231-8	MW-11	Total/NA	Water	8260D	
MB 400-672648/6	Method Blank	Total/NA	Water	8260D	
LCS 400-672648/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

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

Lab Sample ID: MB 400-672186/4
Matrix: Water
Analysis Batch: 672186

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/21/24 11:24	1
Ethylbenzene	<1.0		1.0		ug/L			05/21/24 11:24	1
Toluene	<1.0		1.0		ug/L			05/21/24 11:24	1
Xylenes, Total	<10		10		ug/L			05/21/24 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*05/21/24 11:24*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*05/21/24 11:24*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*05/21/24 11:24*	*1*

Lab Sample ID: LCS 400-672186/1001
Matrix: Water
Analysis Batch: 672186

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	44.2		ug/L		88	70 - 130
m-Xylene & p-Xylene	50.0	49.1		ug/L		98	70 - 130
o-Xylene	50.0	49.1		ug/L		98	70 - 130
Ethylbenzene	50.0	48.6		ug/L		97	70 - 130
Toluene	50.0	49.6		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 130*
Dibromofluoromethane	*90*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*87*		*67 - 134*

Lab Sample ID: 400-256231-2 MS
Matrix: Water
Analysis Batch: 672186

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<1.0		50.0	48.6		ug/L		97	56 - 142
m-Xylene & p-Xylene	<5.0		50.0	55.5		ug/L		111	57 - 130
o-Xylene	<5.0		50.0	56.4		ug/L		113	61 - 130
Ethylbenzene	<1.0		50.0	54.1		ug/L		108	58 - 131
Toluene	<1.0		50.0	55.9		ug/L		112	65 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*72 - 130*
Dibromofluoromethane	*88*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*86*		*67 - 134*

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Folgelson 4-1 Com #14.00

Job ID: 400-256231-1

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

Lab Sample ID: 400-256231-2 MSD
Matrix: Water
Analysis Batch: 672186

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	44.0		ug/L		88	56 - 142	10	30
m-Xylene & p-Xylene	<5.0		50.0	48.7		ug/L		97	57 - 130	13	30
o-Xylene	<5.0		50.0	49.8		ug/L		100	61 - 130	12	30
Ethylbenzene	<1.0		50.0	47.4		ug/L		95	58 - 131	13	30
Toluene	<1.0		50.0	49.2		ug/L		98	65 - 130	13	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*72 - 130*
Dibromofluoromethane	*92*		*75 - 126*
Toluene-d8 (Surr)	*96*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*90*		*67 - 134*

Lab Sample ID: MB 400-672648/6
Matrix: Water
Analysis Batch: 672648

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/24/24 11:54	1
Ethylbenzene	<1.0		1.0		ug/L			05/24/24 11:54	1
Toluene	<1.0		1.0		ug/L			05/24/24 11:54	1
Xylenes, Total	<10		10		ug/L			05/24/24 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*05/24/24 11:54*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*05/24/24 11:54*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*05/24/24 11:54*	*1*

Lab Sample ID: LCS 400-672648/1002
Matrix: Water
Analysis Batch: 672648

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			50.0	44.9		ug/L		90	70 - 130		
m-Xylene & p-Xylene			50.0	52.1		ug/L		104	70 - 130		
o-Xylene			50.0	51.0		ug/L		102	70 - 130		
Ethylbenzene			50.0	50.4		ug/L		101	70 - 130		
Toluene			50.0	52.8		ug/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*72 - 130*
Dibromofluoromethane	*99*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*105*		*67 - 134*

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

Chain of Custody Record

400-256231 COC

eurofins | Environment Testing

Client Information	Sampler: Emma Brady	Lab PM: Whitmire Cheyenne R	Carrier Tracking No(s):	COC No: 400-130469-41352 2
Client Contact: Joe Wiley	Phone: 515-253-0838	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2 ERB
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			Preservation Codes: A - HCL; N - None
City: Houston	TAT Requested (days): STD			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1077460			Other:
Email: joe.wiley@kindermorgan.com	WO #: Fogelson 4-1 Com #14_ERG_ARF_5-1-2024			
Project Name: Fogelson 4-1 Com #14 00	Project #: 40015823			
Site	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note
			Preservation Code:				A	N		
TB-01	5/14/2024	1500	G	Water	N	N	X		2	
DUP-01	5/14/2024	—	G	Water	N	N	-	X	2	
MW-1R	5/14/2024	1515	G	Water	N	N	-	X	2	
MW-4	5/14/2024	1530	G	Water	N	N	-	X	2	
MW-7	5/14/2024	1535	G	Water	N	N	-	X	2	
MW-8	5/14/2024	1540	G	W	N	N	-	X	2	
MW-9	5/14/2024	1550	G	W	N	N	X		2	
MW-11	5/14/2024	1555	G	W	N	N	X		2	
ERB										ERB

ERB

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

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

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

Special Instructions/QC Requirements

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Emma Brady	5/16/2024 0600	STN		5/18/24 0832	
2						
3						

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

Cooler Temperature(s) °C and Other Remarks: 1.5°C IR11

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc. Job Number: 400-256231-1

Login Number: 256231 **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.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5°C IR-11
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: 400-256231-1
Project/Site: Folgelson 4-1 Com #14.00

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-25

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/24/2024 4:04:05 PM

JOB DESCRIPTION

Fogelson 4-1 Com #14.00

JOB NUMBER

400-265626-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

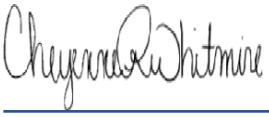
Eurofins Pensacola

Job Notes

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

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

Authorization



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

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Laboratory Job ID: 400-265626-1

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Case Narrative

Client: Stantec Consulting Services, Inc. Job ID: 400-265626-1
Project: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1 Eurofins Pensacola

Job Narrative
400-265626-1

Receipt
The samples were received on 11/8/2024 9:27 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 2.1º C.

GC/MS VOA
Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW5 (400-265626-5), MW10 (400-265626-10) and DUP01 (400-265626-12). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Stantec Consulting Services, Inc. Job ID: 400-265626-1
Project/Site: Fogelson 4-1 Com #14.00

Client Sample ID: MW1R — Lab Sample ID: 400-265626-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.4		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	1.9		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW2 — Lab Sample ID: 400-265626-2

No Detections.

Client Sample ID: MW3 — Lab Sample ID: 400-265626-3

No Detections.

Client Sample ID: MW4 — Lab Sample ID: 400-265626-4

No Detections.

Client Sample ID: MW5 — Lab Sample ID: 400-265626-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total - DL	520		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW6 — Lab Sample ID: 400-265626-6

No Detections.

Client Sample ID: MW7 — Lab Sample ID: 400-265626-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.5		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW8 — Lab Sample ID: 400-265626-8

No Detections.

Client Sample ID: MW9 — Lab Sample ID: 400-265626-9

No Detections.

Client Sample ID: MW10 — Lab Sample ID: 400-265626-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.9		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	21		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total - DL	240		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW11 — Lab Sample ID: 400-265626-11

No Detections.

Client Sample ID: DUP01 — Lab Sample ID: 400-265626-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.7		1.0		ug/L	1		8260D	Total/NA
Ethylbenzene	17		1.0		ug/L	1		8260D	Total/NA
Xylenes, Total - DL	250		50		ug/L	5		8260D	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-265626-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-265626-1	MW1R	Water	11/06/24 12:10	11/08/24 09:27
400-265626-2	MW2	Water	11/06/24 10:10	11/08/24 09:27
400-265626-3	MW3	Water	11/06/24 10:59	11/08/24 09:27
400-265626-4	MW4	Water	11/06/24 10:40	11/08/24 09:27
400-265626-5	MW5	Water	11/06/24 12:20	11/08/24 09:27
400-265626-6	MW6	Water	11/06/24 10:25	11/08/24 09:27
400-265626-7	MW7	Water	11/06/24 10:00	11/08/24 09:27
400-265626-8	MW8	Water	11/06/24 09:45	11/08/24 09:27
400-265626-9	MW9	Water	11/06/24 11:25	11/08/24 09:27
400-265626-10	MW10	Water	11/06/24 11:38	11/08/24 09:27
400-265626-11	MW11	Water	11/06/24 11:15	11/08/24 09:27
400-265626-12	DUP01	Water	11/06/24 11:45	11/08/24 09:27
400-265626-13	TRIP BLANK	Water	11/06/24 12:00	11/08/24 09:27

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW1R

Date Collected: 11/06/24 12:10
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.4**		1.0		ug/L			11/12/24 10:55	1
Ethylbenzene	**1.9**		1.0		ug/L			11/12/24 10:55	1
Toluene	<1.0		1.0		ug/L			11/12/24 10:55	1
Xylenes, Total	<10		10		ug/L			11/12/24 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*11/12/24 10:55*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*11/12/24 10:55*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/12/24 10:55*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW2

Date Collected: 11/06/24 10:10
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/12/24 11:20	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 11:20	1
Toluene	<1.0		1.0		ug/L			11/12/24 11:20	1
Xylenes, Total	<10		10		ug/L			11/12/24 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*11/12/24 11:20*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/12/24 11:20*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/12/24 11:20*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW3

Date Collected: 11/06/24 10:59
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/12/24 11:44	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 11:44	1
Toluene	<1.0		1.0		ug/L			11/12/24 11:44	1
Xylenes, Total	<10		10		ug/L			11/12/24 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*11/12/24 11:44*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/12/24 11:44*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*11/12/24 11:44*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW4

Date Collected: 11/06/24 10:40
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/12/24 12:33	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 12:33	1
Toluene	<1.0		1.0		ug/L			11/12/24 12:33	1
Xylenes, Total	<10		10		ug/L			11/12/24 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*11/12/24 12:33*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*11/12/24 12:33*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*11/12/24 12:33*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 400-265626-1
Project/Site: Fogelson 4-1 Com #14.00

Client Sample ID: MW5 Lab Sample ID: 400-265626-5

Date Collected: 11/06/24 12:20 **Matrix: Water**
Date Received: 11/08/24 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12**		1.0		ug/L			11/12/24 12:58	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 12:58	1
Toluene	<1.0		1.0		ug/L			11/12/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 130*		*11/12/24 12:58*	*1*
Dibromofluoromethane	*116*		*75 - 126*		*11/12/24 12:58*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/12/24 12:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**520**		50		ug/L			11/13/24 11:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*72 - 130*		*11/13/24 11:34*	*5*
Dibromofluoromethane	*101*		*75 - 126*		*11/13/24 11:34*	*5*
Toluene-d8 (Surr)	*112*		*64 - 132*		*11/13/24 11:34*	*5*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW6

Date Collected: 11/06/24 10:25
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/12/24 14:36	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 14:36	1
Toluene	<1.0		1.0		ug/L			11/12/24 14:36	1
Xylenes, Total	<10		10		ug/L			11/12/24 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*11/12/24 14:36*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*11/12/24 14:36*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/12/24 14:36*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW7

Date Collected: 11/06/24 10:00
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.5**		1.0		ug/L			11/12/24 15:01	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 15:01	1
Toluene	<1.0		1.0		ug/L			11/12/24 15:01	1
Xylenes, Total	<10		10		ug/L			11/12/24 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*11/12/24 15:01*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*11/12/24 15:01*	*1*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/12/24 15:01*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW8

Date Collected: 11/06/24 09:45
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/12/24 15:26	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 15:26	1
Toluene	<1.0		1.0		ug/L			11/12/24 15:26	1
Xylenes, Total	<10		10		ug/L			11/12/24 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*11/12/24 15:26*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/12/24 15:26*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*11/12/24 15:26*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW9

Date Collected: 11/06/24 11:25
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/24 13:17	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/24 13:17	1
Toluene	<1.0		1.0		ug/L			11/18/24 13:17	1
Xylenes, Total	<10		10		ug/L			11/18/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*11/18/24 13:17*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/18/24 13:17*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/18/24 13:17*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW10

Date Collected: 11/06/24 11:38
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.9**		1.0		ug/L			11/18/24 14:57	1
Ethylbenzene	**21**		1.0		ug/L			11/18/24 14:57	1
Toluene	<1.0		1.0		ug/L			11/18/24 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*11/18/24 14:57*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*11/18/24 14:57*	*1*
Toluene-d8 (Surr)	*107*		*64 - 132*		*11/18/24 14:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**240**		50		ug/L			11/19/24 17:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*11/19/24 17:37*	*5*
Dibromofluoromethane	*91*		*75 - 126*		*11/19/24 17:37*	*5*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/19/24 17:37*	*5*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW11

Date Collected: 11/06/24 11:15
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/24 15:22	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/24 15:22	1
Toluene	<1.0		1.0		ug/L			11/18/24 15:22	1
Xylenes, Total	<10		10		ug/L			11/18/24 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*11/18/24 15:22*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/18/24 15:22*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/18/24 15:22*	*1*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: DUP01

Date Collected: 11/06/24 11:45
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.7**		1.0		ug/L			11/18/24 15:48	1
Ethylbenzene	**17**		1.0		ug/L			11/18/24 15:48	1
Toluene	<1.0		1.0		ug/L			11/18/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*11/18/24 15:48*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*11/18/24 15:48*	*1*
Toluene-d8 (Surr)	*112*		*64 - 132*		*11/18/24 15:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	**250**		50		ug/L			11/19/24 18:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*11/19/24 18:02*	*5*
Dibromofluoromethane	*90*		*75 - 126*		*11/19/24 18:02*	*5*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/19/24 18:02*	*5*

Client Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: TRIP BLANK

Date Collected: 11/06/24 12:00
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/24 16:13	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/24 16:13	1
Toluene	<1.0		1.0		ug/L			11/18/24 16:13	1
Xylenes, Total	<10		10		ug/L			11/18/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 130*		*11/18/24 16:13*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*11/18/24 16:13*	*1*
Toluene-d8 (Surr)	*104*		*64 - 132*		*11/18/24 16:13*	*1*

Definitions/Glossary

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW1R
Lab Sample ID: 400-265626-1
Date Collected: 11/06/24 12:10
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 10:55	WPD	EET PEN

Client Sample ID: MW2
Lab Sample ID: 400-265626-2
Date Collected: 11/06/24 10:10
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 11:20	WPD	EET PEN

Client Sample ID: MW3
Lab Sample ID: 400-265626-3
Date Collected: 11/06/24 10:59
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 11:44	WPD	EET PEN

Client Sample ID: MW4
Lab Sample ID: 400-265626-4
Date Collected: 11/06/24 10:40
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 12:33	WPD	EET PEN

Client Sample ID: MW5
Lab Sample ID: 400-265626-5
Date Collected: 11/06/24 12:20
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	691019	11/13/24 11:34	WPD	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 12:58	WPD	EET PEN

Client Sample ID: MW6
Lab Sample ID: 400-265626-6
Date Collected: 11/06/24 10:25
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 14:36	WPD	EET PEN

Client Sample ID: MW7
Lab Sample ID: 400-265626-7
Date Collected: 11/06/24 10:00
Matrix: Water
Date Received: 11/08/24 09:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 15:01	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW8
Date Collected: 11/06/24 09:45
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 15:26	WPD	EET PEN

Client Sample ID: MW9
Date Collected: 11/06/24 11:25
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 13:17	CAR	EET PEN

Client Sample ID: MW10
Date Collected: 11/06/24 11:38
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 14:57	CAR	EET PEN
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	691646	11/19/24 17:37	CAR	EET PEN

Client Sample ID: MW11
Date Collected: 11/06/24 11:15
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 15:22	CAR	EET PEN

Client Sample ID: DUP01
Date Collected: 11/06/24 11:45
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 15:48	CAR	EET PEN
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	691646	11/19/24 18:02	CAR	EET PEN

Client Sample ID: TRIP BLANK
Date Collected: 11/06/24 12:00
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 16:13	CAR	EET PEN

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

Lab Sample ID: MB 400-690873/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 09:17	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-691019/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691019	11/13/24 08:55	WPD	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-691536/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 11:11	CAR	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-691646/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691646	11/19/24 11:47	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-690873/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	690873	11/12/24 08:19	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-691019/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691019	11/13/24 07:58	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-691536/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 10:04	CAR	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-691646/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691646	11/19/24 10:36	CAR	EET PEN

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

Client Sample ID: MW9
Date Collected: 11/06/24 11:25
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-9 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 13:42	CAR	EET PEN

Client Sample ID: MW9
Date Collected: 11/06/24 11:25
Date Received: 11/08/24 09:27

Lab Sample ID: 400-265626-9 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	691536	11/18/24 14:07	CAR	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

GC/MS VOA

Analysis Batch: 690873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-265626-1	MW1R	Total/NA	Water	8260D	
400-265626-2	MW2	Total/NA	Water	8260D	
400-265626-3	MW3	Total/NA	Water	8260D	
400-265626-4	MW4	Total/NA	Water	8260D	
400-265626-5	MW5	Total/NA	Water	8260D	
400-265626-6	MW6	Total/NA	Water	8260D	
400-265626-7	MW7	Total/NA	Water	8260D	
400-265626-8	MW8	Total/NA	Water	8260D	
MB 400-690873/4	Method Blank	Total/NA	Water	8260D	
LCS 400-690873/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 691019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-265626-5 - DL	MW5	Total/NA	Water	8260D	
MB 400-691019/4	Method Blank	Total/NA	Water	8260D	
LCS 400-691019/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 691536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-265626-9	MW9	Total/NA	Water	8260D	
400-265626-10	MW10	Total/NA	Water	8260D	
400-265626-11	MW11	Total/NA	Water	8260D	
400-265626-12	DUP01	Total/NA	Water	8260D	
400-265626-13	TRIP BLANK	Total/NA	Water	8260D	
MB 400-691536/4	Method Blank	Total/NA	Water	8260D	
LCS 400-691536/1002	Lab Control Sample	Total/NA	Water	8260D	
400-265626-9 MS	MW9	Total/NA	Water	8260D	
400-265626-9 MSD	MW9	Total/NA	Water	8260D	

Analysis Batch: 691646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-265626-10 - DL	MW10	Total/NA	Water	8260D	
400-265626-12 - DL	DUP01	Total/NA	Water	8260D	
MB 400-691646/4	Method Blank	Total/NA	Water	8260D	
LCS 400-691646/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

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

Lab Sample ID: MB 400-690873/4
Matrix: Water
Analysis Batch: 690873

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/12/24 09:17	1
Ethylbenzene	<1.0		1.0		ug/L			11/12/24 09:17	1
Toluene	<1.0		1.0		ug/L			11/12/24 09:17	1
Xylenes, Total	<10		10		ug/L			11/12/24 09:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*11/12/24 09:17*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/12/24 09:17*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/12/24 09:17*	*1*

Lab Sample ID: LCS 400-690873/1002
Matrix: Water
Analysis Batch: 690873

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	45.9		ug/L		92	70 - 130
m-Xylene & p-Xylene	50.0	53.4		ug/L		107	70 - 130
o-Xylene	50.0	53.9		ug/L		108	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
Toluene	50.0	47.8		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*72 - 130*
Dibromofluoromethane	*102*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*107*		*67 - 134*

Lab Sample ID: MB 400-691019/4
Matrix: Water
Analysis Batch: 691019

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<10		10		ug/L			11/13/24 08:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*11/13/24 08:55*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*11/13/24 08:55*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/13/24 08:55*	*1*

Lab Sample ID: LCS 400-691019/1002
Matrix: Water
Analysis Batch: 691019

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	50.0	49.5		ug/L		99	70 - 130
o-Xylene	50.0	51.5		ug/L		103	70 - 130

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

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

Lab Sample ID: LCS 400-691019/1002
Matrix: Water
Analysis Batch: 691019

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		72 - 130
Dibromofluoromethane	99		75 - 126
Toluene-d8 (Surr)	101		64 - 132
1,2-Dichloroethane-d4 (Surr)	114		67 - 134

Lab Sample ID: MB 400-691536/4
Matrix: Water
Analysis Batch: 691536

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

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 130		11/18/24 11:11	1
Dibromofluoromethane	104		75 - 126		11/18/24 11:11	1
Toluene-d8 (Surr)	107		64 - 132		11/18/24 11:11	1

Lab Sample ID: LCS 400-691536/1002
Matrix: Water
Analysis Batch: 691536

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	56.5		ug/L		113	70 - 130
m-Xylene & p-Xylene	50.0	51.9		ug/L		104	70 - 130
o-Xylene	50.0	52.4		ug/L		105	70 - 130
Ethylbenzene	50.0	51.6		ug/L		103	70 - 130
Toluene	50.0	48.7		ug/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		72 - 130
Dibromofluoromethane	110		75 - 126
Toluene-d8 (Surr)	99		64 - 132
1,2-Dichloroethane-d4 (Surr)	134		67 - 134

Lab Sample ID: 400-265626-9 MS
Matrix: Water
Analysis Batch: 691536

Client Sample ID: MW9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<1.0		50.0	40.2		ug/L		80	56 - 142
m-Xylene & p-Xylene	<5.0		50.0	37.8		ug/L		76	57 - 130
o-Xylene	<5.0		50.0	38.4		ug/L		77	61 - 130
Ethylbenzene	<1.0		50.0	38.2		ug/L		76	58 - 131
Toluene	<1.0		50.0	38.7		ug/L		77	65 - 130

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Fogelson 4-1 Com #14.00

Job ID: 400-265626-1

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

Lab Sample ID: 400-265626-9 MS
Matrix: Water
Analysis Batch: 691536

Client Sample ID: MW9
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*99*		*72 - 130*
Dibromofluoromethane	*105*		*75 - 126*
Toluene-d8 (Surr)	*100*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*127*		*67 - 134*

Lab Sample ID: 400-265626-9 MSD
Matrix: Water
Analysis Batch: 691536

Client Sample ID: MW9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	37.9		ug/L		76	56 - 142	6	30
m-Xylene & p-Xylene	<5.0		50.0	36.1		ug/L		72	57 - 130	5	30
o-Xylene	<5.0		50.0	36.6		ug/L		73	61 - 130	5	30
Ethylbenzene	<1.0		50.0	36.1		ug/L		72	58 - 131	6	30
Toluene	<1.0		50.0	36.3		ug/L		73	65 - 130	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*101*		*72 - 130*
Dibromofluoromethane	*110*		*75 - 126*
Toluene-d8 (Surr)	*102*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*103*		*67 - 134*

Lab Sample ID: MB 400-691646/4
Matrix: Water
Analysis Batch: 691646

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<10		10		ug/L			11/19/24 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*103*		*72 - 130*		*11/19/24 11:47*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*11/19/24 11:47*	*1*
Toluene-d8 (Surr)	*105*		*64 - 132*		*11/19/24 11:47*	*1*

Lab Sample ID: LCS 400-691646/1002
Matrix: Water
Analysis Batch: 691646

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
m-Xylene & p-Xylene			50.0	47.4		ug/L		95	70 - 130		
o-Xylene			50.0	47.8		ug/L		96	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*93*		*72 - 130*
Dibromofluoromethane	*105*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*128*		*67 - 134*

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rob Malcomson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-134744-41352.1
Client Contact: Joe Wiley	Phone: 515 710 0616	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1077460			
Email: joe.wiley@kindermorgan.com	WO #: Fogelson 4-1 Com #14_ERG_ARF_10-25-2024			
Project Name: Fogelson 4-1 Com #14.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None

400-265626 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW1R	11/6/24	1210	G	Water				X		
MW2	11/6/24	1010	G	Water				X		
MW3	11/6/24	1059	G	Water				X		
MW4	11/6/24	1040	G	Water				X		
MW5	11/6/24	1220	G	Water				X		
MW6	11/6/24	1025	G	Water				X		
MW7	11/6/24	1000	G	Water				X		
MW8	11/6/24	0945	G	Water				X		
MW9	11/6/24	1125	G	Water			X			
MW10	11/6/24	1138	G	Water			X			
MW11	11/6/24	1115	G	Water			X			

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/6/24 1500	Stantec	Fed Ex	11/6/24 1500	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/8/24 927	Company ETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1°C IR11

Ver: 10/10/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rob Mclonson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-134744-41352.2
Client Contact: Joe Wiley	Phone: 515 710 9815	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 2
Company: El Paso Energy Corporation	PWSID:			Job #:

Address: 1001 Louisiana Street Room S1905B	Due Date Requested:	
City: Houston	TAT Requested (days):	
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No	
Phone:	PO #: WD1077460	
Email: joe.wiley@kindermorgan.com	WO #: Fogelson 4-1 Com #14_ERG_ARF_10-25-2024	
Project Name: Fogelson 4-1 Com #14.00	Project #: 40015823	
Site:	SSOW#:	

Analysis Requested

Preservation Codes:
A - HCL
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
DUP01	11/6/24	1145	G	Water			X			
Trip Blank	—	—	—	Water			X			
				Water						
				Water						
				Water						

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11/6/24 1500	Stantec	FedEx	11/6/24 1500	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/8/24 927	Company EES
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc. Job Number: 400-265626-1

Login Number: 265626 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Beecher (Roberts), Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc. Job ID: 400-265626-1
Project/Site: Fogelson 4-1 Com #14.00

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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	P330-21-00056	01-09-26
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 444180
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	8/28/2025
amaxwell	Continue with quarterly monitoring and sampling.	8/28/2025
amaxwell	Submit C-141N for all future monitoring and sampling events.	8/28/2025
amaxwell	Transition from submitting annual monitoring and sampling reports to submitting quarterly monitoring and sampling reports.	8/28/2025