2021 ANNUAL GROUNDWATER REPORT

STATE GAS COM N#1
Incident Number: nAUTOfAB000668
Meter Code: 71669
T31N, R12W, Sec16, Unit H

1. Continue bi-annual groundwater monitoring in 2022.
2. Continue to collect groundwater samples from key monitoring wells not containing LNAPL on a bi-annual basis and analyzed for BTEX constituents using EPA Method 8260.
3. Continue sampling of all site monitoring wells on a bi-annual basis.
4. Continue quarterly site visits in 2022 to facilitate removal of measurable LNAPL where it is present.
5. Submit 2022 activities and summarize results in the next annual report to OCD no later than March 31, 2023.

SITE DETAILS

Site Location: Latitude: 36.901094 N, Longitude: -108.096457 W.
Land Type: State
Operator: Hilcorp Energy

SITE BACKGROUND

Environmental Remediation activities at State Gas Com N#1 (Site) are managed pursuant to the procedures set forth in the document entitled, "*Remediation Plan for Groundwater Encountered During Pit Closure Activities*" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company, LLC's (EPCGP's) program methods. Currently, the Site is operated by Hilcorp Energy, who purchased it from XTO Energy in December 2018, and is active. Pipelines owned by Enterprise Products, Inc. are located near the Site, and an aboveground condensate tank owned by Enterprise Products, Inc. is located approximately 70 to 80 feet southwest of well MW-1.

The Site is located on State/Fee land. An initial site assessment was completed in March 1994, and an excavation to approximately 12 feet below ground surface (bgs) was completed in May 1994, removing approximately 80 cubic yards (cy) of soil. Monitoring wells were installed in 1995 (MW-1 through MW-4), 2000 (MW-5), 2006 (MW-7 through MW-9), and 2014 (MW-10 through MW-19, and soil boring SB-1). Monitoring wells MW-7 and MW-8 were plugged in 2014. Air sparge (AS) test wells (TW-1 through TW-3) were installed in October and November 2017. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2. Historically, light non-aqueous phase liquid (LNAPL) has periodically been encountered and recovered from MW-2, MW-3, MW-4, MW-5, MW-10, MW-11, MW-16, and TW-1. Quarterly LNAPL recovery began in the second quarter of 2020 and has continued through 2021. Currently, groundwater sampling is conducted on a semi-annual basis.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on May 12, 2021, and November 3, 2021, prior to initiating groundwater sampling activities at the Site. Copies of the 2021 NMOCD notifications are provided in Appendix A. Groundwater monitoring and sampling was completed on May 22, and November 14, 2021. During each sampling event, water levels were gauged from monitoring wells MW-1 through MW-6, and MW-9 through MW-19, and test wells TW-1, TW-2, and TW-3. During the May and November 20201 events groundwater samples were collected from selected monitoring wells MW-1, MW-6, MW-9, MW-13, MW-14, MW-15, MW-17, MW-18, and MW-19. During the November 2021 event groundwater samples were also collected from MW5 and MW-12. LNAPL was detected at MW-3, MW-4, MW-10, MW-11, and MW-16; therefore, no groundwater samples were collected from those locations in 2021.

Groundwater samples were collected from selected monitoring wells using HydraSleeve™ (HydraSleeve) no-purge passive groundwater sampling devices. The HydraSleeves were set during the previous sampling event. In order to collect a sample from the screened interval, the HydraSleeves were placed

approximately 0.5 foot above the bottom of the monitoring well screen using a suspension tether and stainless-steel weights.

Groundwater samples were placed into laboratory supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins-TestAmerica Laboratories, Inc. (Eurofins) in Pensacola, Florida where they were analyzed for BTEX using United States Environmental Protection Agency (EPA) Method 8260. One laboratory supplied 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 taken to Basin Disposal, Inc. (Basin) in Bloomfield, New Mexico for disposal. Waste disposal documentation is included as Appendix B.

SVE FEASIBILITY TESTING

In accordance with the August 23, 2021, *Work Plan for Soil Vapor Extraction Testing Activities*, SVE feasibility testing activities were conducted at the Site on August 30, 2021, by AcuVac Remediation, LLC, of Houston, Texas (AcuVac). The NMOCD was notified of the start date for the feasibility testing activities on August 23, 2021 (Appendix A).

SVE feasibility testing was completed in monitoring wells MW-2, MW-5, MW-6 and MW-16. The monitoring wells selected were chosen as they have historically contained LNAPL, and active remediation of these areas may be warranted. Based on the construction logs of the monitoring wells tested, each has sufficient well screen above the water table to facilitate SVE testing. The 2021 SVE test activities provided additional site-specific information to build on the SVE testing conducted on other monitoring wells (MW-3, MW-4, MW-10, and MW-11) in 2018.

The intent of SVE is to reduce concentrations of VOCs within the saturated-vadose zone through extraction and volatilization. The SVE feasibility testing was conducted using the AcuVac I-6 System; the vacuum extraction portion of the AcuVac system consists of a vacuum pump powered by an internal combustion engine (ICE). The vacuum pump was connected to the extraction well via hose and induced a vacuum on the well. Any recovered vapors from the SVE blower were combusted using AcuVac's ICE system.

For each well tested, an SVE step test was conducted to evaluate pressures and flow rate response. The process involved inducing various vacuum pressures at the test well. During testing, flow rate, water level, carbon dioxide, oxygen, carbon monoxide, hydrogen sulfide data, and hydrocarbon concentration data was collected to evaluate performance. Pressure/vacuum influence was also monitored at select monitoring wells of varying distances from the test well to provide data for evaluating the radius of influence. Based on the data collected during the feasibility test, SVE appears feasible at the MW-2 location, is marginally feasible at the MW-5 and MW-6 locations, and does not appear feasible at the MW-16 location. A radius of influence of approximately 20 to 25 feet was confirmed during the MW-2 SVE testing.

AcuVac's report summarizing the SVE feasibility testing activities at the Site is presented as Appendix C. No wastes were generated during the feasibility testing activities that required off-site disposal.

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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 activities is provided in Appendix A. LNAPL was observed in monitoring wells MW-2, MW-3, MW-4, MW-10, MW-11, MW-16, and TW-1 during at least one of the four quarterly site visits in 2021. Historically, LNAPL has also been measured in monitoring wells MW-1, MW-5, MW-6, and MW-7.

The LNAPL recovery data is summarized on Table 1. LNAPL recovery was completed via hand-bailing. During the groundwater sampling site visits in May and November 2021, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the May and August 2021 site visits was also transported for disposal at Basin (Appendix B).

SUMMARY TABLES

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

SITE MAPS

Groundwater analytical results (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2021 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

GROUND WATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the south-southeast during 2021 (see Figures 4 and 6).
- LNAPL was present in MW-3, MW-4, MW-10, MW-11, and MW-16 for the May and November 2021 semi-annual sampling events; therefore, groundwater samples were not collected during either event from these locations.
- Groundwater samples collected during both sampling events in 2021 from MW-1, MW-6, and MW-13, and during the November 2021 event from MW-5 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Benzene was either below the NMWQCC standard or was not detected in the remaining groundwater samples collected from site monitoring wells in 2021.
- Groundwater samples collected in 2021 from MW-1 and MW-6, exceeded the NMWQCC standard (750 µg/L) for toluene in groundwater. Toluene was either not detected or detected below the NMWQCC standard in the remaining groundwater samples collected from site monitoring wells in 2021.
- Groundwater samples collected during both sampling events in 2021 from MW-1, and during

the May event from MW-6 exceeded the NMWQCC standard (750 µg/L) for ethylbenzene in groundwater.

- A field duplicate was collected from monitoring well MW-1 in May 2021 and from MW-6 in November 2021. There were no significant differences between the primary and duplicate samples collected in November 2021.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2021 groundwater monitoring events.

PLANNED FUTURE ACTIVITIES

Semi-annual groundwater monitoring will continue for 2022. Groundwater samples will be collected from key monitoring wells not containing LNAPL on a semi-annual basis and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event. Sampling of all site monitoring wells is conducted on a biennial basis, with the next site-wide sampling event planned for the fourth calendar quarter of 2023.

Quarterly site visits will continue at the Site in 2022 to facilitate removal of measurable LNAPL where it is present.

The activities completed in 2022 and their results will be summarized in the 2022 Annual report for the Site, to be submitted by April 1, 2023.

TABLES

TABLE 1 – LNAPL RECOVERY SUMMARY

TABLE 2 – GROUNDWATER ANALYTICAL RESULTS

TABLE 3 – GROUNDWATER ELEVATION RESULTS

TABLE 1
LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY SUMMARY

State Gas Com N#1						
Well ID - MW-2	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
8/30/2021	77.02	77.03	0.01	<0.01	0.08	manual
11/14/2021	77.29	77.32	0.03	<0.01	0.26	manual
			Total:	0.0	0.3	

Well ID - MW-3	Depth to Product (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	Product Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
6/16/2016	77.37	77.62	0.25	0.16	<0.01	manual
7/16/2016	77.55	78.10	0.55	0.23	<0.01	manual
8/18/2016	NM	NM	0.13	0.39	0.04	manual
10/11/2016	NM	NM	0.02	0.03	0.01	manual
11/14/2016	NM	NM	0.19	0.23	0.01	manual
12/14/2016	76.36	76.61	0.25	0.08	0.01	manual
5/3/2018	ND	73.44	ND	0.34	<0.01	SVE test*
5/22/2021	77.17	77.18	0.01	<0.01	0.08	manual
8/30/2021	77.34	77.35	0.01	0.05	0.37	manual
11/14/2021	77.55	77.62	0.07	0.02	0.32	manual
			Total:	1.5	0.8	

Well ID - MW-4						
5/3/2018	ND	73.32	ND	0.62	<0.01	SVE test*
5/18/2018	74.78	74.98	0.20	<0.01	<0.01	manual
10/25/2018	75.07	75.08	0.01	0.01	<0.01	manual
5/24/2019	75.33	75.55	0.22	0.05	NR	manual
11/13/2019	75.86	75.99	0.13	0.09	0.40	manual
5/13/2020	76.10	76.15	0.05	<0.01	<0.01	manual
8/18/2020	74.34	74.35	0.01	0.01	0.30	manual
11/14/2020	76.35	76.37	0.02	0.01	0.23	manual
5/22/2021	76.80	76.82	0.02	<0.01	0.05	manual
8/30/2021	77.02	77.07	0.05	0.03	0.18	manual
11/14/2021	77.28	77.30	0.02	0.02	0.34	manual
			Total:	0.84	1.50	

Well ID - MW-5						
5/27/2015	75.44	75.45	0.01	0.02	0.1	manual
11/22/2015	75.46	75.47	0.01	<0.01	0.1	manual
4/12/2016	75.23	75.57	0.34	0.15	<0.01	manual
5/25/2016	75.24	75.34	0.10	0.01	<0.01	manual
7/16/2016	75.52	75.63	0.11	<0.01	<0.01	manual
10/11/2016	74.53	75.03	0.50	0.20	0.01	manual
			Total:	0.38	0.21	

Well ID - MW-10						
5/27/2015	71.78	71.94	0.16	0.02	0.1	manual
11/22/2015	71.11	71.29	0.18	0.02	0.1	manual
5/3/2018	ND	68.74	ND	0.03	<0.01	SVE test*
5/22/2021	71.43	71.45	0.02	<0.01	0.04	manual
8/30/2021	71.71	71.73	0.02	<0.01	0.13	manual
11/14/2021	71.98	72.09	0.11	<0.01	0.29	manual
			Total:	0.07	0.66	

Well ID - MW-11						
5/27/2015	75.01	75.02	0.01	0.02	0.1	manual
11/22/2015	74.59	74.61	0.02	0.01	0.1	manual
4/12/2016	74.33	75.11	0.78	0.53	0.2	manual
5/25/2016	74.24	74.42	0.18	0.02	0.01	manual
7/16/2016	NM	NM	<0.01	<0.01	<0.01	manual
8/18/2016	NM	NM	<0.01	<0.01	<0.01	manual
9/24/2016	NM	NM	<0.01	<0.01	<0.01	manual
10/11/2016	73.66	73.79	0.13	0.06	<0.01	manual
5/3/2018	ND	72.32	ND	0.11	<0.01	SVE test*
5/22/2021	74.70	74.80	0.10	0.01	0.11	manual
8/30/2021	74.91	74.99	0.08	<0.01	0.16	manual
11/14/2021	75.14	75.26	0.12	<0.01	0.30	manual
			Total:	0.76	0.98	

Well ID - MW-16						
5/22/2021	73.31	73.32	0.01	<0.01	0.05	manual
8/30/2021	0.02' LNAPL removed during MDPE event					SVE test*
11/14/2021	73.65	73.69	0.04	<0.01	0.29	manual
			Total:	0.00	0.34	

Well ID - TW-1						
5/24/2019	72.90	73.14	0.24	0.02	<0.01	manual
3/17/2021	74.03	74.05	0.02	<0.01	0.36	manual
5/22/2021	74.29	74.51	0.22	<0.01	0.07	manual
8/30/2021	74.33	74.51	0.18	<0.01	0.05	manual
11/14/2021	74.89	74.91	0.02	<0.01	0.32	manual
			Total:	0.02	0.43	

Notes:
gal = gallons.
NM - Not Measured. Measured thickness was obtained by measuring the thickness within a bailer.
ND = Not Detected.
* = Calculated recovered hydrocarbon vapors from Soil Vapor Extraction (SVE) testing.
SVE = Soil vapor extraction
MDPE = Mobile dual phase extraction
LNAPL = Light non-aqueous phase liquid
LNAPL recovery data for 2015 and previous years documented in previously-submitted reports.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	10/17/95	14200	15600	1090	11000
MW-1	12/03/96	17200	15200	673	6670
MW-1	03/07/97	16900	16600	904	8420
MW-1	01/16/01	NS	NS	NS	NS
MW-1	01/24/01	NS	NS	NS	NS
MW-1	01/31/01	NS	NS	NS	NS
MW-1	02/19/01	NS	NS	NS	NS
MW-1	03/05/01	NS	NS	NS	NS
MW-1	06/05/01	NS	NS	NS	NS
MW-1	06/15/01	NS	NS	NS	NS
MW-1	07/13/01	NS	NS	NS	NS
MW-1	07/20/01	NS	NS	NS	NS
MW-1	08/01/01	NS	NS	NS	NS
MW-1	08/08/01	NS	NS	NS	NS
MW-1	08/16/01	NS	NS	NS	NS
MW-1	08/20/01	NS	NS	NS	NS
MW-1	09/05/01	NS	NS	NS	NS
MW-1	09/19/01	NS	NS	NS	NS
MW-1	09/26/01	NS	NS	NS	NS
MW-1	10/03/01	NS	NS	NS	NS
MW-1	10/11/01	NS	NS	NS	NS
MW-1	01/23/02	NS	NS	NS	NS
MW-1	05/17/02	NS	NS	NS	NS
MW-1	06/07/02	NS	NS	NS	NS
MW-1	09/04/02	NS	NS	NS	NS
MW-1	12/17/02	NS	NS	NS	NS
MW-1	06/26/03	NS	NS	NS	NS
MW-1	09/14/03	NS	NS	NS	NS
MW-1	12/09/03	NS	NS	NS	NS
MW-1	03/15/04	NS	NS	NS	NS
MW-1	06/17/04	NS	NS	NS	NS
MW-1	09/16/04	NS	NS	NS	NS
MW-1	12/20/04	NS	NS	NS	NS
MW-1	03/17/05	NS	NS	NS	NS
MW-1	06/17/05	NS	NS	NS	NS
MW-1	09/15/05	17300	10700	1560	19600
MW-1	12/22/05	NS	NS	NS	NS
MW-1	03/27/06	NS	NS	NS	NS
MW-1	06/19/06	NS	NS	NS	NS
MW-1	09/27/06	15100	9990	1150	10700

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State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	12/20/06	NS	NS	NS	NS
MW-1	03/28/07	NS	NS	NS	NS
MW-1	06/14/07	NS	NS	NS	NS
MW-1	09/18/07	13800	10100	2260	21200
MW-1	12/17/07	NS	NS	NS	NS
MW-1	03/05/08	NS	NS	NS	NS
MW-1	06/12/08	NS	NS	NS	NS
MW-1	09/08/08	11700	7560	815	7740
MW-1	12/03/08	NS	NS	NS	NS
MW-1	03/10/09	NS	NS	NS	NS
MW-1	06/03/09	NS	NS	NS	NS
MW-1	08/26/09	12600	8470	973	8670
MW-1	11/05/09	NS	NS	NS	NS
MW-1	02/11/10	NS	NS	NS	NS
MW-1	05/21/10	NS	NS	NS	NS
MW-1	09/29/10	10300	9470	1320	12500
MW-1	11/02/10	NS	NS	NS	NS
MW-1	02/02/11	NS	NS	NS	NS
MW-1	05/04/11	NS	NS	NS	NS
MW-1	09/29/11	12300	7800	907	7750
MW-1	11/11/11	NS	NS	NS	NS
MW-1	02/16/12	NS	NS	NS	NS
MW-1	05/08/12	NS	NS	NS	NS
MW-1	06/07/13	13000	7200	580	6700
MW-1	09/12/13	13000	5300	460	6600
MW-1	12/13/13	10000	6900	610	6400
MW-1	04/05/14	10000	5300	360	2000
MW-1	10/21/14	14000	4900	520	6400
MW-1	05/27/15	12000	9400	890	7400
MW-1	11/22/15	13000	6800	700	6500
MW-1	04/15/16	14000	5200	730	7400
MW-1	10/11/16	13000	3000	680	6500
MW-1	06/06/17	12000	3000	790	6500
MW-1	11/10/17	11000	2800	750	6400
MW-1	05/18/18	10000	4500	630	6000
MW-1	10/25/18	7700	3200	570	4900
MW-1	05/24/19	9200	4200	770	5600
MW-1	11/13/19	8300	4700	770	5700
MW-1	05/13/20	7600	4200	720	5500
MW-1	11/14/20	8400	4700	810	6000

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	05/22/21	6700	5100	830	6200
DP-01(MW-1)*	05/22/21	6600	5100	830	6200
MW-1	08/30/21	NS	NS	NS	NS
MW-1	11/14/21	5100	6000	750	5500
MW-2	12/07/95	8540	18900	6230	9240
MW-2	12/03/96	21700	5000	967	8310
MW-2	03/07/97	22100	5680	992	8360
MW-2	01/16/01	NS	NS	NS	NS
MW-2	01/24/01	NS	NS	NS	NS
MW-2	01/30/01	NS	NS	NS	NS
MW-2	04/02/01	NS	NS	NS	NS
MW-2	06/05/01	NS	NS	NS	NS
MW-2	06/15/01	NS	NS	NS	NS
MW-2	07/13/01	NS	NS	NS	NS
MW-2	07/20/01	NS	NS	NS	NS
MW-2	08/01/01	NS	NS	NS	NS
MW-2	08/08/01	NS	NS	NS	NS
MW-2	08/16/01	NS	NS	NS	NS
MW-2	08/20/01	NS	NS	NS	NS
MW-2	09/05/01	NS	NS	NS	NS
MW-2	09/19/01	NS	NS	NS	NS
MW-2	09/26/01	NS	NS	NS	NS
MW-2	10/03/01	NS	NS	NS	NS
MW-2	10/11/01	NS	NS	NS	NS
MW-2	01/23/02	NS	NS	NS	NS
MW-2	05/17/02	NS	NS	NS	NS
MW-2	06/07/02	NS	NS	NS	NS
MW-2	09/04/02	NS	NS	NS	NS
MW-2	12/17/02	NS	NS	NS	NS
MW-2	03/20/03	NS	NS	NS	NS
MW-2	06/26/03	NS	NS	NS	NS
MW-2	09/14/03	NS	NS	NS	NS
MW-2	12/09/03	NS	NS	NS	NS
MW-2	03/15/04	NS	NS	NS	NS
MW-2	06/17/04	NS	NS	NS	NS
MW-2	09/16/04	NS	NS	NS	NS
MW-2	12/20/04	NS	NS	NS	NS
MW-2	03/17/05	NS	NS	NS	NS
MW-2	06/17/05	NS	NS	NS	NS

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State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	09/15/05	13700	2770	762	8610
MW-2	12/22/05	NS	NS	NS	NS
MW-2	03/27/06	NS	NS	NS	NS
MW-2	06/19/06	NS	NS	NS	NS
MW-2	09/27/06	13800	2150	880	8130
MW-2	12/20/06	NS	NS	NS	NS
MW-2	03/28/07	NS	NS	NS	NS
MW-2	06/14/07	NS	NS	NS	NS
MW-2	09/18/07	10100	1730	1200	12700
MW-2	12/17/07	NS	NS	NS	NS
MW-2	03/05/08	NS	NS	NS	NS
MW-2	06/12/08	NS	NS	NS	NS
MW-2	09/08/08	9120	1610	552	6380
MW-2	12/03/08	NS	NS	NS	NS
MW-2	03/10/09	NS	NS	NS	NS
MW-2	06/03/09	NS	NS	NS	NS
MW-2	08/26/09	NS	NS	NS	NS
MW-2	11/05/09	NS	NS	NS	NS
MW-2	02/11/10	NS	NS	NS	NS
MW-2	05/21/10	NS	NS	NS	NS
MW-2	09/29/10	15600	1570	779	7730
MW-2	11/02/10	NS	NS	NS	NS
MW-2	02/02/11	NS	NS	NS	NS
MW-2	05/04/11	NS	NS	NS	NS
MW-2	09/29/11	12900	1270	838	6940
MW-2	11/11/11	NS	NS	NS	NS
MW-2	02/16/12	NS	NS	NS	NS
MW-2	05/08/12	NS	NS	NS	NS
MW-2	06/07/13	15000	1600	630	7000
MW-2	09/12/13	14000	1500	550	6300
MW-2	12/13/13	11000	7200	620	6500
MW-2	04/05/14	680	440	37 J	400
MW-2	10/21/14	15000	1500	620	6700
MW-2	05/27/15	14000	1700	650	7200
MW-2	11/22/15	17000	1900	680	7200
MW-2	04/15/16	NS	NS	NS	NS
MW-2	10/11/16	NS	NS	NS	NS
MW-2	06/06/17	NS	NS	NS	NS
MW-2	11/10/17	NS	NS	NS	NS
MW-2	05/18/18	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	10/25/18	NS	NS	NS	NS
MW-2	05/24/19	NS	NS	NS	NS
MW-2	11/13/19	11000	1900	540	5800
MW-2	05/13/20	NS	NS	NS	NS
MW-2	11/14/20	NS	NS	NS	NS
MW-2	05/22/21	NS	NS	NS	NS
MW-2	08/30/21	NS	NS	NS	NS
MW-2	11/14/21	NS	NS	NS	NS
MW-3	12/07/95	18000	3760	1050	7070
MW-3	12/03/96	17700	7310	983	7200
MW-3	03/07/97	17700	7780	1020	7550
MW-3	10/03/00	NS	NS	NS	NS
MW-3	12/20/00	NS	NS	NS	NS
MW-3	01/10/01	NS	NS	NS	NS
MW-3	02/19/01	NS	NS	NS	NS
MW-3	03/05/01	NS	NS	NS	NS
MW-3	04/02/01	NS	NS	NS	NS
MW-3	06/05/01	NS	NS	NS	NS
MW-3	06/15/01	NS	NS	NS	NS
MW-3	07/13/01	NS	NS	NS	NS
MW-3	07/20/01	NS	NS	NS	NS
MW-3	08/01/01	NS	NS	NS	NS
MW-3	08/08/01	NS	NS	NS	NS
MW-3	08/16/01	NS	NS	NS	NS
MW-3	08/20/01	NS	NS	NS	NS
MW-3	09/05/01	NS	NS	NS	NS
MW-3	09/19/01	NS	NS	NS	NS
MW-3	09/26/01	NS	NS	NS	NS
MW-3	10/03/01	NS	NS	NS	NS
MW-3	10/11/01	NS	NS	NS	NS
MW-3	11/21/01	NS	NS	NS	NS
MW-3	12/13/01	NS	NS	NS	NS
MW-3	12/21/01	NS	NS	NS	NS
MW-3	12/28/01	NS	NS	NS	NS
MW-3	01/04/02	NS	NS	NS	NS
MW-3	01/07/02	NS	NS	NS	NS
MW-3	01/23/02	NS	NS	NS	NS
MW-3	01/31/02	NS	NS	NS	NS
MW-3	02/07/02	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	02/14/02	NS	NS	NS	NS
MW-3	02/20/02	NS	NS	NS	NS
MW-3	03/06/02	NS	NS	NS	NS
MW-3	03/11/02	NS	NS	NS	NS
MW-3	03/21/02	NS	NS	NS	NS
MW-3	03/28/02	NS	NS	NS	NS
MW-3	04/03/02	NS	NS	NS	NS
MW-3	04/12/02	NS	NS	NS	NS
MW-3	04/19/02	NS	NS	NS	NS
MW-3	04/25/02	NS	NS	NS	NS
MW-3	05/03/02	NS	NS	NS	NS
MW-3	05/10/02	NS	NS	NS	NS
MW-3	05/17/02	NS	NS	NS	NS
MW-3	06/07/02	NS	NS	NS	NS
MW-3	09/04/02	NS	NS	NS	NS
MW-3	12/17/02	NS	NS	NS	NS
MW-3	03/20/03	NS	NS	NS	NS
MW-3	06/26/03	NS	NS	NS	NS
MW-3	09/14/03	NS	NS	NS	NS
MW-3	12/09/03	NS	NS	NS	NS
MW-3	03/15/04	NS	NS	NS	NS
MW-3	06/17/04	NS	NS	NS	NS
MW-3	09/16/04	NS	NS	NS	NS
MW-3	12/20/04	NS	NS	NS	NS
MW-3	03/17/05	NS	NS	NS	NS
MW-3	06/17/05	NS	NS	NS	NS
MW-3	09/15/05	NS	NS	NS	NS
MW-3	12/22/05	NS	NS	NS	NS
MW-3	03/27/06	NS	NS	NS	NS
MW-3	06/19/06	NS	NS	NS	NS
MW-3	09/27/06	NS	NS	NS	NS
MW-3	12/20/06	NS	NS	NS	NS
MW-3	03/28/07	NS	NS	NS	NS
MW-3	06/14/07	NS	NS	NS	NS
MW-3	09/18/07	NS	NS	NS	NS
MW-3	12/17/07	NS	NS	NS	NS
MW-3	03/05/08	NS	NS	NS	NS
MW-3	06/12/08	NS	NS	NS	NS
MW-3	09/08/08	70.3	1.5	3.3	19.1
MW-3	12/03/08	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	03/10/09	NS	NS	NS	NS
MW-3	06/03/09	NS	NS	NS	NS
MW-3	08/26/09	20100	434	936	4690
MW-3	11/05/09	NS	NS	NS	NS
MW-3	02/11/10	NS	NS	NS	NS
MW-3	05/21/10	NS	NS	NS	NS
MW-3	09/29/10	23600	219 J	771	3480
MW-3	11/02/10	NS	NS	NS	NS
MW-3	02/02/11	NS	NS	NS	NS
MW-3	05/04/11	NS	NS	NS	NS
MW-3	09/29/11	18500	163	906	4520
MW-3	11/11/11	NS	NS	NS	NS
MW-3	02/16/12	NS	NS	NS	NS
MW-3	05/08/12	NS	NS	NS	NS
MW-3	06/07/13	24000	J100	540	2700
MW-3	09/12/13	22000	97 J	590	2700
MW-3	12/13/13	19000	85 J	620	2900
MW-3	04/05/14	24000	<380	570 J	2400
MW-3	10/21/14	27000	98 J	770	2900
MW-3	05/27/15	25000	230 J	950	5900
MW-3	11/22/15	54000	<5000	17000	66000
MW-3	04/15/16	NS	NS	NS	NS
MW-3	10/11/16	NS	NS	NS	NS
MW-3	06/06/17	22000	<1300	1100	8500
MW-3	11/10/17	14000	310	800	7000
MW-3	05/02/18	NS	NS	NS	NS
MW-3	05/18/18	20000	250	620	4900
MW-3	10/25/18	20000	230	670	4500
MW-3	05/24/19	26000	220	810	4900
MW-3	11/13/19	22000	140	620	3400
MW-3	05/13/20	NS	NS	NS	NS
MW-3	11/14/20	NS	NS	NS	NS
MW-3	05/22/21	NS	NS	NS	NS
MW-3	08/30/21	NS	NS	NS	NS
MW-3	11/14/21	NS	NS	NS	NS
MW-4	12/07/95	20300	19600	1040	8880
MW-4	12/03/96	23600	19600	1000	8600
MW-4	03/07/97	24800	20100	1040	9080
MW-4	06/05/01	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	07/13/01	NS	NS	NS	NS
MW-4	08/16/01	NS	NS	NS	NS
MW-4	09/10/01	17000	14000	610	6700
MW-4	12/04/01	NS	NS	NS	NS
MW-4	01/07/02	NS	NS	NS	NS
MW-4	01/23/02	NS	NS	NS	NS
MW-4	01/31/02	NS	NS	NS	NS
MW-4	02/07/02	NS	NS	NS	NS
MW-4	02/14/02	NS	NS	NS	NS
MW-4	02/20/02	NS	NS	NS	NS
MW-4	05/17/02	NS	NS	NS	NS
MW-4	09/04/02	17800	13900	750	10870
MW-4	12/17/02	NS	NS	NS	NS
MW-4	06/26/03	NS	NS	NS	NS
MW-4	09/14/03	24000	30800	4670	73200
MW-4	12/09/03	NS	NS	NS	NS
MW-4	03/15/04	NS	NS	NS	NS
MW-4	06/17/04	NS	NS	NS	NS
MW-4	09/16/04	26300	18500	1870	15200
MW-4	12/20/04	NS	NS	NS	NS
MW-4	03/17/05	NS	NS	NS	NS
MW-4	06/17/05	NS	NS	NS	NS
MW-4	09/15/05	18600	16900	1120	12800
MW-4	12/22/05	NS	NS	NS	NS
MW-4	03/27/06	NS	NS	NS	NS
MW-4	06/19/06	NS	NS	NS	NS
MW-4	09/27/06	19800	14200	978	12500
MW-4	12/20/06	NS	NS	NS	NS
MW-4	03/28/07	NS	NS	NS	NS
MW-4	06/14/07	NS	NS	NS	NS
MW-4	09/18/07	21100	15400	1560	17000
MW-4	12/17/07	NS	NS	NS	NS
MW-4	03/05/08	NS	NS	NS	NS
MW-4	06/12/08	NS	NS	NS	NS
MW-4	09/08/08	17000	12700	598	11700
MW-4	12/03/08	NS	NS	NS	NS
MW-4	03/10/09	NS	NS	NS	NS
MW-4	06/03/09	NS	NS	NS	NS
MW-4	08/26/09	17000	14400	934	11000
MW-4	11/05/09	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-4	02/11/10	NS	NS	NS	NS
MW-4	05/21/10	NS	NS	NS	NS
MW-4	09/29/10	19400	13100	789	9500
MW-4	11/02/10	NS	NS	NS	NS
MW-4	02/02/11	NS	NS	NS	NS
MW-4	05/04/11	NS	NS	NS	NS
MW-4	09/29/11	18700	12500	1020	11400
MW-4	11/11/11	NS	NS	NS	NS
MW-4	02/16/12	NS	NS	NS	NS
MW-4	05/08/12	NS	NS	NS	NS
MW-4	06/07/13	21000	13000	290	8400
MW-4	09/12/13	18000	11000	450	7300
MW-4	12/13/13	17000	11000	620	8100
MW-4	04/05/14	12000	57 J	350	1600
MW-4	10/21/14	21000	13000	520	8400
MW-4	05/27/15	21000	13000	700	9200
MW-4	11/22/15	21000	13000	670	8800
MW-4	04/15/16	23000	14000	960	11000
MW-4	10/11/16	22000	13000	730	8800
MW-4	06/06/17	26000	16000	500	12000
MW-4	11/10/17	20000	13000	630	9200
MW-4	05/02/18	NS	NS	NS	NS
MW-4	05/18/18	NS	NS	NS	NS
MW-4	10/25/18	NS	NS	NS	NS
MW-4	05/24/19	NS	NS	NS	NS
MW-4	11/13/19	NS	NS	NS	NS
MW-4	05/13/20	NS	NS	NS	NS
MW-4	11/14/20	NS	NS	NS	NS
MW-4	03/17/21	NS	NS	NS	NS
MW-4	05/22/21	NS	NS	NS	NS
MW-4	08/30/21	NS	NS	NS	NS
MW-4	11/14/21	NS	NS	NS	NS
MW-5	08/30/00	27000	570	930	8600
MW-5	06/05/01	NS	NS	NS	NS
MW-5	07/13/01	NS	NS	NS	NS
MW-5	08/16/01	NS	NS	NS	NS
MW-5	09/10/01	16000	100	720	4600
MW-5	05/17/02	NS	NS	NS	NS
MW-5	09/04/02	21100	190	1310	5560

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	12/17/02	NS	NS	NS	NS
MW-5	06/26/03	NS	NS	NS	NS
MW-5	09/14/03	23100	157	2480	11300
MW-5	12/09/03	NS	NS	NS	NS
MW-5	03/15/04	NS	NS	NS	NS
MW-5	06/17/04	NS	NS	NS	NS
MW-5	09/16/04	29400	<25	1320	1690
MW-5	12/20/04	NS	NS	NS	NS
MW-5	03/17/05	NS	NS	NS	NS
MW-5	06/17/05	NS	NS	NS	NS
MW-5	09/15/05	22800	14	1160	1620
MW-5	12/22/05	NS	NS	NS	NS
MW-5	03/27/06	NS	NS	NS	NS
MW-5	06/19/06	NS	NS	NS	NS
MW-5	09/27/06	26000	<100	1440	1800
MW-5	12/20/06	NS	NS	NS	NS
MW-5	03/28/07	NS	NS	NS	NS
MW-5	06/14/07	NS	NS	NS	NS
MW-5	09/18/07	26300	<100	914	1590
MW-5	12/17/07	NS	NS	NS	NS
MW-5	03/05/08	NS	NS	NS	NS
MW-5	06/12/08	NS	NS	NS	NS
MW-5	09/08/08	21600	<100	522	1580
MW-5	12/03/08	NS	NS	NS	NS
MW-5	03/10/09	NS	NS	NS	NS
MW-5	06/03/09	NS	NS	NS	NS
MW-5	08/26/09	19800	63.2 J	1280	2470
MW-5	11/05/09	NS	NS	NS	NS
MW-5	02/11/10	NS	NS	NS	NS
MW-5	05/21/10	NS	NS	NS	NS
MW-5	09/29/10	24600	<200	1330	4390
MW-5	11/02/10	NS	NS	NS	NS
MW-5	02/02/11	NS	NS	NS	NS
MW-5	05/04/11	NS	NS	NS	NS
MW-5	09/29/11	20600	8.9 J	1000	3370
MW-5	11/11/11	NS	NS	NS	NS
MW-5	02/16/12	NS	NS	NS	NS
MW-5	05/08/12	NS	NS	NS	NS
MW-5	06/07/13	16000	<60	1000	5400
MW-5	09/12/13	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	12/13/13	NS	NS	NS	NS
MW-5	04/05/14	NS	NS	NS	NS
MW-5	10/21/14	NS	NS	NS	NS
MW-5	05/27/15	NS	NS	NS	NS
MW-5	11/22/15	NS	NS	NS	NS
MW-5	04/15/16	NS	NS	NS	NS
MW-5	10/11/16	NS	NS	NS	NS
MW-5	06/06/17	NS	NS	NS	NS
MW-5	11/10/17	NS	NS	NS	NS
MW-5	05/18/18	NS	NS	NS	NS
MW-5	10/25/18	NS	NS	NS	NS
MW-5	05/24/19	NS	NS	NS	NS
MW-5	11/13/19	9600	<50	900	820
MW-5	05/13/20	NS	NS	NS	NS
MW-5	11/14/20	NS	NS	NS	NS
MW-5	05/22/21	NS	NS	NS	NS
MW-5	08/30/21	NS	NS	NS	NS
MW-5	11/14/21	7800	<100	670	<1000
MW-6	12/20/01	5000	11000	420	4600
MW-6	12/28/01	NS	NS	NS	NS
MW-6	03/06/02	NS	NS	NS	NS
MW-6	03/11/02	NS	NS	NS	NS
MW-6	03/21/02	NS	NS	NS	NS
MW-6	04/03/02	NS	NS	NS	NS
MW-6	05/17/02	NS	NS	NS	NS
MW-6	09/04/02	NS	NS	NS	NS
MW-6	12/17/02	NS	NS	NS	NS
MW-6	03/20/03	NS	NS	NS	NS
MW-6	06/26/03	NS	NS	NS	NS
MW-6	09/14/03	NS	NS	NS	NS
MW-6	12/09/03	NS	NS	NS	NS
MW-6	03/15/04	NS	NS	NS	NS
MW-6	06/17/04	NS	NS	NS	NS
MW-6	09/16/04	NS	NS	NS	NS
MW-6	12/20/04	NS	NS	NS	NS
MW-6	03/17/05	NS	NS	NS	NS
MW-6	06/17/05	NS	NS	NS	NS
MW-6	09/15/05	NS	NS	NS	NS
MW-6	12/22/05	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	03/27/06	NS	NS	NS	NS
MW-6	06/19/06	NS	NS	NS	NS
MW-6	07/21/06	NS	NS	NS	NS
MW-6	08/24/06	NS	NS	NS	NS
MW-6	09/27/06	NS	NS	NS	NS
MW-6	10/22/06	NS	NS	NS	NS
MW-6	11/07/06	NS	NS	NS	NS
MW-6	12/20/06	NS	NS	NS	NS
MW-6	01/16/07	NS	NS	NS	NS
MW-6	02/26/07	NS	NS	NS	NS
MW-6	03/26/07	NS	NS	NS	NS
MW-6	03/28/07	NS	NS	NS	NS
MW-6	04/30/07	NS	NS	NS	NS
MW-6	05/24/07	NS	NS	NS	NS
MW-6	06/14/07	NS	NS	NS	NS
MW-6	07/31/07	NS	NS	NS	NS
MW-6	08/29/07	NS	NS	NS	NS
MW-6	09/18/07	NS	NS	NS	NS
MW-6	10/31/07	NS	NS	NS	NS
MW-6	11/30/07	NS	NS	NS	NS
MW-6	12/17/07	NS	NS	NS	NS
MW-6	01/23/08	NS	NS	NS	NS
MW-6	03/05/08	NS	NS	NS	NS
MW-6	04/15/08	NS	NS	NS	NS
MW-6	05/08/08	NS	NS	NS	NS
MW-6	06/12/08	NS	NS	NS	NS
MW-6	07/17/08	NS	NS	NS	NS
MW-6	08/12/08	NS	NS	NS	NS
MW-6	09/08/08	NS	NS	NS	NS
MW-6	10/09/08	NS	NS	NS	NS
MW-6	11/07/08	NS	NS	NS	NS
MW-6	12/03/08	NS	NS	NS	NS
MW-6	01/16/09	NS	NS	NS	NS
MW-6	02/06/09	NS	NS	NS	NS
MW-6	03/10/09	NS	NS	NS	NS
MW-6	04/01/09	NS	NS	NS	NS
MW-6	05/01/09	NS	NS	NS	NS
MW-6	06/03/09	NS	NS	NS	NS
MW-6	08/26/09	NS	NS	NS	NS
MW-6	11/05/09	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	02/11/10	NS	NS	NS	NS
MW-6	05/21/10	NS	NS	NS	NS
MW-6	09/29/10	6950	14700	978	8990
MW-6	11/02/10	NS	NS	NS	NS
MW-6	02/02/11	NS	NS	NS	NS
MW-6	05/04/11	NS	NS	NS	NS
MW-6	09/29/11	5590	10200	991	8670
MW-6	11/11/11	NS	NS	NS	NS
MW-6	02/16/12	NS	NS	NS	NS
MW-6	05/08/12	NS	NS	NS	NS
MW-6	06/07/13	3400	4700	370	4900
MW-6	09/12/13	4500	7700	640	6300
MW-6	12/13/13	3600	5600	610	6000
MW-6	04/05/14	19000	13000	720	9100
MW-6	10/21/14	2900	3300	380	5400
MW-6	05/27/15	4000	7000	630	6200
MW-6	11/22/15	6100	11000	950	8200
MW-6	04/15/16	5700	11000	870	7600
MW-6	10/11/16	5200	7800	860	6600
MW-6	06/06/17	5700	9000	910	7300
MW-6	11/10/17	4500	7800	750	6500
MW-6	05/18/18	4200	5800	420	3600
MW-6	10/25/18	3900	5300	580	4800
MW-6	05/24/19	5000	6700	790	6100
MW-6	11/13/19	2900	4500	490	4000
DUP-1(MW-6)*	11/13/19	3900	7000	710	5700
MW-6	05/13/20	1400	2000	270	2500
MW-6	11/14/20	4100	4900	720	6200
MW-6	05/22/21	4400	6000	790	6400
MW-6	11/14/21	3700	5600	680	5300
DUP-1(MW-6)*	11/14/21	4000	5800	730	5700
MW-7	12/20/06	NS	NS	NS	NS
MW-7	03/28/07	NS	NS	NS	NS
MW-7	06/14/07	NS	NS	NS	NS
MW-7	09/18/07	NS	NS	NS	NS
MW-7	12/17/07	NS	NS	NS	NS
MW-7	03/05/08	NS	NS	NS	NS
MW-7	04/15/08	<2	<2	<2	<6
MW-7	06/12/08	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-7	09/08/08	NS	NS	NS	NS
MW-7	12/03/08	NS	NS	NS	NS
MW-7	03/10/09	NS	NS	NS	NS
MW-7	06/03/09	NS	NS	NS	NS
MW-7	08/25/09	NS	NS	NS	NS
MW-7	08/26/09	11200	4930	916	5760
MW-7	11/05/09	NS	NS	NS	NS
MW-7	02/11/10	NS	NS	NS	NS
MW-7	05/21/10	NS	NS	NS	NS
MW-7	09/29/10	13900	8690	982	7130
MW-7	11/02/10	NS	NS	NS	NS
MW-7	02/02/11	NS	NS	NS	NS
MW-7	05/04/11	NS	NS	NS	NS
MW-7	09/29/11	9280	3550	725	4270
MW-7	11/11/11	NS	NS	NS	NS
MW-7	02/16/12	NS	NS	NS	NS
MW-7	05/08/12	NS	NS	NS	NS
MW-7	06/07/13	Well Destroyed			
MW-9	12/20/06	NS	NS	NS	NS
MW-9	03/28/07	NS	NS	NS	NS
MW-9	06/14/07	NS	NS	NS	NS
MW-9	09/18/07	NS	NS	NS	NS
MW-9	12/17/07	NS	NS	NS	NS
MW-9	03/05/08	NS	NS	NS	NS
MW-9	04/15/08	<2	<2	<2	<6
MW-9	06/12/08	NS	NS	NS	NS
MW-9	09/08/08	0.95 J	<1	<1	1.3 J
MW-9	12/03/08	NS	NS	NS	NS
MW-9	03/10/09	NS	NS	NS	NS
MW-9	06/03/09	NS	NS	NS	NS
MW-9	08/26/09	1.2	0.69 J	0.35J	2.7
MW-9	11/05/09	NS	NS	NS	NS
MW-9	02/11/10	NS	NS	NS	NS
MW-9	05/21/10	NS	NS	NS	NS
MW-9	09/29/10	0.79 J	17 J	<2	2.9 J
MW-9	11/02/10	NS	NS	NS	NS
MW-9	02/02/11	NS	NS	NS	NS
MW-9	05/04/11	NS	NS	NS	NS
MW-9	09/29/11	0.89 J	0.87 J	<1	<2

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-9	11/11/11	NS	NS	NS	NS
MW-9	02/16/12	NS	NS	NS	NS
MW-9	05/08/12	NS	NS	NS	NS
MW-9	06/07/13	<0.14	<0.30	<0.20	<0.23
MW-9	09/12/13	<0.14	<0.30	<0.20	<0.23
MW-9	12/13/13	<0.20	<0.38	<0.20	<0.65
MW-9	04/05/14	51	89	8	67
MW-9	10/21/14	<0.38	<0.70	<0.50	<1.6
MW-9	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-9	11/22/15	<1.0	<5.0	<1.0	<5.0
MW-9	04/15/16	<1.0	<5.0	<1.0	<5.0
MW-9	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-9	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-9	11/10/17	<1.0	<1.0	<1.0	<10
MW-9	05/18/18	<1.0	<1.0	<1.0	<10
MW-9	10/25/18	<1.0	<1.0	<1.0	<10
MW-9	05/24/19	<1.0	<1.0	<1.0	<10
MW-9	11/13/19	<1.0	<1.0	<1.0	<10
DUP-2(MW-9)*	11/13/19	<1.0	<1.0	<1.0	<10
MW-9	05/13/20	<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	11/14/21	<1.0	<1.0	<1.0	<10
MW-10	05/27/15	NS	NS	NS	NS
MW-10	11/22/15	NS	NS	NS	NS
MW-10	04/15/16	NS	NS	NS	NS
MW-10	10/11/16	NS	NS	NS	NS
MW-10	06/06/17	NS	NS	NS	NS
MW-10	11/10/17	NS	NS	NS	NS
MW-10	05/02/18	NS	NS	NS	NS
MW-10	05/18/18	NS	NS	NS	NS
MW-10	10/25/18	NS	NS	NS	NS
MW-10	05/24/19	NS	NS	NS	NS
MW-10	11/13/19	17000	14000	690	4500
MW-10	05/13/20	20000	15000	790	5200
MW-10	11/14/20	24000	17000	810	4900
MW-10	05/22/21	NS	NS	NS	NS
MW-10	11/14/21	NS	NS	NS	NS

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-11	05/27/15	NS	NS	NS	NS
MW-11	11/22/15	NS	NS	NS	NS
MW-11	04/15/16	NS	NS	NS	NS
MW-11	10/11/16	NS	NS	NS	NS
MW-11	06/06/17	NS	NS	NS	NS
MW-11	11/10/17	NS	NS	NS	NS
MW-11	05/02/18	NS	NS	NS	NS
MW-11	05/18/18	NS	NS	NS	NS
MW-11	10/25/18	NS	NS	NS	NS
MW-11	05/24/19	NS	NS	NS	NS
MW-11	11/13/19	19000	26000	770	8100
MW-11	05/13/20	20000	22000	630	6800
MW-11	11/14/20	24000	32000	1200	11000
DUP-01(MW-11)	11/14/20	24000	31000	1100	11000
MW-11	05/22/21	NS	NS	NS	NS
MW-11	11/14/21	NS	NS	NS	NS
MW-12	05/27/15	0.86 J	<5.0	<1.0	<5.0
MW-12	11/22/15	42	<5.0	11	9.5
MW-12	04/15/16	NS	NS	NS	NS
MW-12	10/11/16	NS	NS	NS	NS
MW-12	06/06/17	NS	NS	NS	NS
MW-12	11/10/17	NS	NS	NS	NS
MW-12	05/18/18	NS	NS	NS	NS
MW-12	10/25/18	NS	NS	NS	NS
MW-12	05/24/19	NS	NS	NS	NS
MW-12	11/13/19	14	<1.0	4.6	<10
MW-12	05/13/20	NS	NS	NS	NS
MW-12	11/14/20	NS	NS	NS	NS
MW-12	05/22/21	NS	NS	NS	NS
MW-12	11/14/21	<1.0	<1.0	<1.0	<10
MW-13	05/27/15	190	17	35	100
MW-13	11/22/15	260	9.6	33	38
MW-13	04/15/16	130	6.2	19	<5.0
MW-13	10/11/16	110	<10	14	11
MW-13	06/06/17	NS	NS	NS	NS
MW-13	11/10/17	21	1.6	12	<10
MW-13	05/18/18	23	1	5.8	<10
MW-13	10/25/18	25	<1.0	1.9	<10

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
DUP-01(MW-13)*	10/25/18	24	<1.0	1.9	<10
MW-13	05/24/19	350	8	1.7	53
MW-13	11/13/19	36	2.2	<1.0	<10
MW-13	05/13/20	63	4.6	<1.0	20
DUP-01(MW-13)*	05/13/20	240	26	2.4	130
MW-13	11/14/20	39	2.3	<1.0	<10
MW-13	05/22/21	14	<1.0	<1.0	<10
MW-13	11/14/21	30	4.0	<1.0	11
MW-14	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-14	11/22/15	<1.0	<5.0	<1.0	<5.0
MW-14	04/15/16	NS	NS	NS	NS
MW-14	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-14	06/06/17	NS	NS	NS	NS
MW-14	11/10/17	<1.0	<1.0	<1.0	<10
MW-14	05/18/18	<1.0	<1.0	<1.0	<10
MW-14	10/25/18	<1.0	<1.0	<1.0	<10
MW-14	05/24/19	<1.0	<1.0	<1.0	<10
MW-14	11/13/19	<1.0	<1.0	<1.0	<10
MW-14	05/13/20	<1.0	<1.0	<1.0	<10
MW-14	11/14/20	<1.0	<1.0	<1.0	<10
MW-14	05/22/21	<1.0	<1.0	<1.0	<10
MW-14	11/14/21	<1.0	<1.0	<1.0	<10
MW-15	05/27/15	<1.0	<5.0	<1.0	<5.0
MW-15	11/22/15	<1.0	<5.0	<1.0	<5.0
MW-15	04/15/16	NS	NS	NS	NS
MW-15	10/11/16	<1.0	<5.0	<1.0	<5.0
MW-15	06/06/17	<1.0	<5.0	<1.0	<5.0
MW-15	11/10/17	<1.0	<1.0	<1.0	<10
MW-15	05/18/18	<1.0	<1.0	<1.0	<10
MW-15	10/25/18	<1.0	<1.0	<1.0	<10
MW-15	05/24/19	<1.0	<1.0	<1.0	<10
MW-15	11/13/19	<1.0	<1.0	<1.0	<10
MW-15	05/13/20	<1.0	<1.0	<1.0	<10
MW-15	11/14/20	<1.0	<1.0	<1.0	<10
MW-15	05/22/21	<1.0	<1.0	<1.0	<10
MW-15	11/14/21	<1.0	<1.0	<1.0	<10
MW-16	05/27/15	1.9	<5.0	<1.0	17

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-16	11/22/15	190	9.9	4.1	96
MW-16	04/15/16	480	17	83	390
MW-16	10/11/16	82	14	16	140
MW-16	06/06/17	26	<5.0	4.3	13
MW-16	11/10/17	11	<1.0	<1.0	<10
MW-16	05/18/18	30	2.1	<1.0	23
MW-16	10/25/18	380	16	12	99
MW-16	05/24/19	48	3.1	2.7	33
MW-16	11/13/19	150	1.7	<1.0	11
MW-16	05/13/20	220	6.4	4.6	260
MW-16	11/14/20	3.4	<1.0	<1.0	23
MW-16	05/22/21	NS	NS	NS	NS
MW-16	11/14/21	NS	NS	NS	NS
MW-17	05/27/15	88	<5.0	6.8	15
MW-17	11/22/15	9.9	<5.0	15	<5.0
MW-17	04/15/16	NS	NS	NS	NS
MW-17	10/11/16	NS	NS	NS	NS
MW-17	06/06/17	NS	NS	NS	NS
MW-17	11/10/17	NS	NS	NS	NS
MW-17	05/18/18	NS	NS	NS	NS
MW-17	10/25/18	NS	NS	NS	NS
MW-17	05/24/19	NS	NS	NS	NS
MW-17	11/13/19	2.0	<1.0	<1.0	<10
MW-17	05/13/20	NS	NS	NS	NS
MW-17	11/14/20	NS	NS	NS	NS
MW-17	05/22/21	3.4	<1.0	<1.0	<10
MW-17	11/14/21	<1.0	<1.0	<1.0	<10
MW-18	05/27/15	120	12	30	27
MW-18	11/22/15	470	<10	100	11
MW-18	04/15/16	110	<10	16	13
MW-18	10/11/16	840	<25	200	<25
MW-18	06/06/17	100	<5.0	43	17
MW-18	11/10/17	60	<1.0	37	<10
MW-18	05/18/18	21	1.3	5.3	<10
DP-01(MW-18)*	05/18/18	10	<1.0	2.5	<10
MW-18	10/25/18	70	<1.0	11	<10
MW-18	05/24/19	<1.0	<1.0	<1.0	<10
MW-18	11/13/19	220	3.1	2.9	15

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

State Gas Com N#1					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-18	05/13/20	48	<1.0	<1.0	<10
MW-18	11/14/20	<1.0	<1.0	<1.0	<10
MW-18	05/22/21	<1.0	<1.0	<1.0	<10
MW-18	08/30/21	NS	NS	NS	NS
MW-18	11/14/21	<1.0	<1.0	<1.0	<10
MW-19	05/27/15	12000	<100	410	200
MW-19	11/22/15	12000	<250	470	<250
MW-19	04/15/16	8400	<50	360	<50
MW-19	10/11/16	11000	<250	470	<250
MW-19	06/06/17	9000	<250	230	<250
MW-19	11/10/17	16	<1.0	17	<10
MW-19	05/18/18	6.3	<1.0	14	<10
MW-19	10/25/18	3.7	<1.0	6.3	<10
MW-19	05/24/19	3.9	<1.0	5.5	<10
DUP-1(MW-19)*	05/24/19	4.4	<1.0	6.5	<10
MW-19	11/13/19	4.3	<1.0	4.8	<10
MW-19	05/13/20	5.9	<1.0	3.8	<10
MW-19	11/14/20	3.9	<1.0	1.9	<10
MW-19	05/22/21	2.5	<1.0	<1.0	<10
MW-19	08/30/21	NS	NS	NS	NS
MW-19	11/14/21	2.6	<1.0	<1.0	<10

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

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/17/95	6122.33	NR	76.08		6046.25
MW-1	12/03/96	6122.33	76.09	77.02	0.93	6046.00
MW-1	03/07/97	6122.33	76.12	77.20	1.08	6045.94
MW-1	01/16/01	6122.33	77.95	77.96	0.01	6044.37
MW-1	01/24/01	6122.33	78.27	78.28	0.01	6044.05
MW-1	01/31/01	6122.33	78.15	78.16	0.01	6044.17
MW-1	02/19/01	6122.33	78.18	78.19	0.01	6044.14
MW-1	03/05/01	6122.33	NR	78.34		6043.99
MW-1	06/05/01	6122.33	NR	77.71		6044.62
MW-1	06/15/01	6122.33	NR	77.83		6044.50
MW-1	07/13/01	6122.33	76.51	76.52	0.01	6045.81
MW-1	07/20/01	6122.33	76.46	76.47	0.01	6045.86
MW-1	08/01/01	6122.33	NR	77.22		6045.11
MW-1	08/08/01	6122.33	NR	76.37		6045.96
MW-1	08/16/01	6122.33	NR	76.35		6045.98
MW-1	08/20/01	6122.33	NR	76.28		6046.05
MW-1	09/05/01	6122.33	NR	76.20		6046.13
MW-1	09/19/01	6122.33	NR	76.14		6046.19
MW-1	09/26/01	6122.33	NR	76.09		6046.24
MW-1	10/03/01	6122.33	NR	76.06		6046.27
MW-1	10/11/01	6122.33	NR	76.04		6046.29
MW-1	01/23/02	6122.33	76.07	76.08	0.01	6046.25
MW-1	05/17/02	6122.33	NR	76.17		6046.16
MW-1	06/07/02	6122.33	NR	76.21		6046.12
MW-1	09/04/02	6122.33	76.20	76.21	0.01	6046.12
MW-1	12/17/02	6122.33	NR	76.63		6045.70
MW-1	06/26/03	6122.33	ND	75.76		6046.57
MW-1	09/14/03	6122.33	75.77	75.79	0.02	6046.55
MW-1	12/09/03	6122.33	ND	75.62		6046.71
MW-1	03/15/04	6122.33	ND	75.22		6047.11
MW-1	06/17/04	6122.33	ND	74.84		6047.49
MW-1	09/16/04	6122.33	ND	74.43		6047.90
MW-1	12/20/04	6122.33	ND	74.21		6048.12
MW-1	03/17/05	6122.33	ND	74.23		6048.10
MW-1	06/17/05	6122.33	ND	74.15		6048.18
MW-1	09/15/05	6122.33	ND	74.09		6048.24
MW-1	12/22/05	6122.33	ND	74.02		6048.31
MW-1	03/27/06	6122.33	ND	74.17		6048.16
MW-1	06/19/06	6122.33	ND	74.34		6047.99
MW-1	09/27/06	6122.33	ND	74.65		6047.68
MW-1	12/20/06	6122.33	ND	74.81		6047.52

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	03/28/07	6122.33	ND	75.07		6047.26
MW-1	06/14/07	6122.33	ND	75.09		6047.24
MW-1	09/18/07	6122.33	ND	74.92		6047.41
MW-1	12/17/07	6122.33	ND	74.79		6047.54
MW-1	03/05/08	6122.33	ND	74.63		6047.70
MW-1	06/12/08	6122.33	ND	74.52		6047.81
MW-1	09/08/08	6122.33	ND	74.55		6047.78
MW-1	12/03/08	6122.33	ND	74.62		6047.71
MW-1	03/10/09	6122.33	ND	74.56		6047.77
MW-1	06/03/09	6122.33	ND	74.59		6047.74
MW-1	08/26/09	6122.33	ND	74.76		6047.57
MW-1	11/05/09	6122.33	ND	74.66		6047.67
MW-1	02/11/10	6122.33	ND	74.77		6047.56
MW-1	05/21/10	6122.33	ND	75.10		6047.23
MW-1	09/29/10	6122.33	75.43	75.45	0.02	6046.89
MW-1	11/02/10	6122.33	ND	75.82		6046.51
MW-1	02/02/11	6122.33	ND	75.24		6047.09
MW-1	05/04/11	6122.33	ND	74.55		6047.78
MW-1	09/29/11	6122.33	ND	73.57		6048.76
MW-1	11/11/11	6122.33	ND	73.46		6048.87
MW-1	02/16/12	6122.33	ND	73.38		6048.95
MW-1	05/08/12	6122.33	ND	73.53		6048.80
MW-1	06/07/13	6122.33	ND	74.82		6047.51
MW-1	09/12/13	6122.33	ND	75.00		6047.33
MW-1	12/13/13	6122.33	ND	74.95		6047.38
MW-1	04/05/14	6122.33	ND	74.99		6047.34
MW-1	10/21/14	6122.33	ND	74.77		6047.56
MW-1	05/27/15	6122.33	ND	74.57		6047.76
MW-1	11/22/15	6122.33	ND	77.17		6045.16
MW-1	04/15/16	6122.33	ND	73.37		6048.96
MW-1	10/11/16	6122.33	ND	70.08		6052.25
MW-1	06/06/17	6122.33	ND	71.77		6050.56
MW-1	11/10/17	6122.33	ND	71.11		6051.22
MW-1	03/30/18	6122.33	ND	71.16		6051.17
MW-1	05/18/18	6122.33	ND	70.63		6051.70
MW-1	10/25/18	6122.33	ND	71.12		6051.21
MW-1	05/24/19	6122.33	ND	72.05		6050.28
MW-1	11/13/19	6122.33	ND	72.04		6050.29
MW-1	05/13/20	6122.33	ND	72.26		6050.07
MW-1	11/14/20	6122.33	ND	72.72		6049.61
MW-1	05/22/21	6122.33	ND	73.44		6048.89

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	08/30/21	6122.33	ND	73.72		6048.61
MW-1	11/14/21	6122.33	ND	74.04		6048.29
MW-2	12/07/95	6120.93	NR	75.50		6045.43
MW-2	12/03/96	6120.93	75.45	76.66	1.21	6045.17
MW-2	03/07/97	6120.93	75.51	76.88	1.37	6045.07
MW-2	01/16/01	6120.93	77.43	78.26	0.83	6043.29
MW-2	01/24/01	6120.93	78.72	79.06	0.34	6042.12
MW-2	01/30/01	6120.93	78.44	78.45	0.01	6042.48
MW-2	04/02/01	6120.93	NR	78.36		6042.57
MW-2	06/05/01	6120.93	NR	76.46		6044.47
MW-2	06/15/01	6120.93	NR	76.54		6044.39
MW-2	07/13/01	6120.93	NR	76.56		6044.37
MW-2	07/20/01	6120.93	NR	76.48		6044.45
MW-2	08/01/01	6120.93	NR	76.51		6044.42
MW-2	08/08/01	6120.93	NR	76.50		6044.43
MW-2	08/16/01	6120.93	NR	76.46		6044.47
MW-2	08/20/01	6120.93	NR	76.43		6044.50
MW-2	09/05/01	6120.93	NR	76.38		6044.55
MW-2	09/19/01	6120.93	NR	76.34		6044.59
MW-2	09/26/01	6120.93	NR	76.35		6044.58
MW-2	10/03/01	6120.93	NR	76.31		6044.62
MW-2	10/11/01	6120.93	NR	76.29		6044.64
MW-2	01/23/02	6120.93	76.07	76.08	0.01	6044.85
MW-2	05/17/02	6120.93	NR	76.17		6044.76
MW-2	06/07/02	6120.93	NR	76.21		6044.72
MW-2	09/04/02	6120.93	76.20	76.21	0.01	6044.72
MW-2	12/17/02	6120.93	NR	76.63		6044.30
MW-2	03/20/03	6120.93	76.28	76.32	0.04	6044.64
MW-2	06/26/03	6120.93	76.19	76.22	0.03	6044.73
MW-2	09/14/03	6120.93	76.31	76.35	0.04	6044.61
MW-2	12/09/03	6120.93	76.15	76.22	0.07	6044.76
MW-2	03/15/04	6120.93	76.07	76.14	0.07	6044.84
MW-2	06/17/04	6120.93	75.93	75.98	0.05	6044.98
MW-2	09/16/04	6120.93	75.72	76.66	0.94	6044.97
MW-2	12/20/04	6120.93	75.46	75.50	0.04	6045.46
MW-2	03/17/05	6120.93	ND	75.37		6045.56
MW-2	06/17/05	6120.93	ND	75.72		6045.21
MW-2	09/15/05	6120.93	ND	75.38		6045.55
MW-2	12/22/05	6120.93	ND	75.41		6045.52
MW-2	03/27/06	6120.93	ND	75.42		6045.51

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	06/19/06	6120.93	ND	75.56		6045.37
MW-2	09/27/06	6120.93	ND	75.85		6045.08
MW-2	12/20/06	6120.93	ND	75.92		6045.01
MW-2	03/28/07	6120.93	ND	76.12		6044.81
MW-2	06/14/07	6120.93	ND	76.29		6044.64
MW-2	09/18/07	6120.93	ND	76.24		6044.69
MW-2	12/17/07	6120.93	ND	76.22		6044.71
MW-2	03/05/08	6120.93	ND	76.13		6044.80
MW-2	06/12/08	6120.93	ND	76.12		6044.81
MW-2	09/08/08	6120.93	ND	76.10		6044.83
MW-2	12/03/08	6120.93	ND	76.15		6044.78
MW-2	03/10/09	6120.93	ND	76.13		6044.80
MW-2	06/03/09	6120.93	76.24	76.35	0.11	6044.66
MW-2	08/26/09	6120.93	76.36	76.43	0.07	6044.55
MW-2	11/05/09	6120.93	ND	76.58		6044.35
MW-2	02/11/10	6120.93	ND	76.52		6044.41
MW-2	05/21/10	6120.93	ND	76.70		6044.23
MW-2	09/29/10	6120.93	ND	76.88		6044.05
MW-2	11/02/10	6120.93	ND	76.98		6043.95
MW-2	02/02/11	6120.93	ND	76.83		6044.10
MW-2	05/04/11	6120.93	ND	76.69		6044.24
MW-2	09/29/11	6120.93	ND	76.18		6044.75
MW-2	11/11/11	6120.93	ND	76.13		6044.80
MW-2	02/16/12	6120.93	ND	75.92		6045.01
MW-2	05/08/12	6120.93	ND	75.98		6044.95
MW-2	06/07/13	6120.93	ND	76.88		6044.05
MW-2	09/12/13	6120.93	ND	77.07		6043.86
MW-2	12/13/13	6120.93	ND	77.08		6043.85
MW-2	04/05/14	6120.93	ND	77.08		6043.85
MW-2	10/21/14	6120.93	ND	77.18		6043.75
MW-2	05/27/15	6120.93	ND	77.05		6043.88
MW-2	11/22/15	6120.93	ND	76.90		6044.03
MW-2	04/15/16	6120.93	ND	76.54		6044.39
MW-2	10/11/16	6120.93	ND	76.00		6044.93
MW-2	06/06/17	6120.93	ND	75.42		6045.51
MW-2	11/10/17	6120.93	ND	74.97		6045.96
MW-2	03/30/18	6120.93	ND	74.86		6046.07
MW-2	05/18/18	6120.93	ND	74.49		6046.44
MW-2	10/25/18	6120.93	ND	74.86		6046.07
MW-2	05/24/19	6120.93	ND	75.44		6045.49
MW-2	11/13/19	6120.93	ND	75.86		6045.07

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	05/13/20	6120.93	ND	75.83		6045.10
MW-2	11/14/20	6120.93	ND	76.28		6044.65
MW-2	05/22/21	6120.93	ND	76.78		6044.15
MW-2	08/30/21	6120.93	77.02	77.03	0.01	6043.90
MW-2	11/14/21	6120.93	77.29	77.32	0.03	6043.63
MW-3	12/07/95	6120.42	NR	75.03		6045.39
MW-3	12/03/96	6120.42	75.26	76.10	0.84	6044.95
MW-3	03/07/97	6120.42	75.19	75.42	0.23	6045.17
MW-3	10/03/00	6120.42	76.97	77.12	0.15	6043.41
MW-3	12/20/00	6120.42	NR	77.00		6043.42
MW-3	01/10/01	6120.42	NR	76.90		6043.52
MW-3	02/19/01	6120.42	77.06	77.08	0.02	6043.35
MW-3	03/05/01	6120.42	77.17	77.20	0.03	6043.24
MW-3	04/02/01	6120.42	77.09	77.11	0.02	6043.32
MW-3	06/05/01	6120.42	NR	77.11		6043.31
MW-3	06/15/01	6120.42	76.44	76.50	0.06	6043.96
MW-3	07/13/01	6120.42	77.14	77.17	0.03	6043.27
MW-3	07/20/01	6120.42	77.13	77.14	0.01	6043.28
MW-3	08/01/01	6120.42	76.38	76.47	0.09	6044.01
MW-3	08/08/01	6120.42	NR	77.15		6043.27
MW-3	08/16/01	6120.42	NR	77.15		6043.27
MW-3	08/20/01	6120.42	NR	77.13		6043.29
MW-3	09/05/01	6120.42	NR	77.08		6043.34
MW-3	09/19/01	6120.42	NR	77.11		6043.31
MW-3	09/26/01	6120.42	NR	77.10		6043.32
MW-3	10/03/01	6120.42	NR	77.08		6043.34
MW-3	10/11/01	6120.42	NR	77.09		6043.33
MW-3	11/21/01	6120.42	77.15	77.18	0.03	6043.26
MW-3	12/13/01	6120.42	77.10	77.12	0.02	6043.31
MW-3	12/21/01	6120.42	NR	76.88		6043.54
MW-3	12/28/01	6120.42	75.97	75.99	0.02	6044.44
MW-3	01/04/02	6120.42	NR	77.03	0.00	6043.39
MW-3	01/07/02	6120.42	77.14	77.15	0.01	6043.27
MW-3	01/23/02	6120.42	76.93	76.94	0.01	6043.48
MW-3	01/31/02	6120.42	77.00	77.01	0.01	6043.41
MW-3	02/07/02	6120.42	77.16	77.17	0.01	6043.25
MW-3	02/14/02	6120.42	77.02	77.03	0.01	6043.39
MW-3	02/20/02	6120.42	77.11	77.12	0.01	6043.30
MW-3	03/06/02	6120.42	NR	76.97		6043.45
MW-3	03/11/02	6120.42	NR	76.94		6043.48

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	03/21/02	6120.42	NR	77.15		6043.27
MW-3	03/28/02	6120.42	NR	77.04		6043.38
MW-3	04/03/02	6120.42	75.95	75.99	0.04	6044.46
MW-3	04/12/02	6120.42	NR	77.15		6043.27
MW-3	04/19/02	6120.42	NR	77.09		6043.33
MW-3	04/25/02	6120.42	NR	77.08		6043.34
MW-3	05/03/02	6120.42	NR	77.18		6043.24
MW-3	05/10/02	6120.42	NR	77.12		6043.30
MW-3	05/17/02	6120.42	NR	77.10		6043.32
MW-3	06/07/02	6120.42	76.03	76.07	0.04	6044.38
MW-3	09/04/02	6120.42	NR	76.33		6044.09
MW-3	12/17/02	6120.42	75.81	75.85	0.04	6044.60
MW-3	03/20/03	6120.42	76.28	76.32	0.04	6044.13
MW-3	06/26/03	6120.42	76.19	76.22	0.03	6044.22
MW-3	09/14/03	6120.42	76.31	76.36	0.05	6044.09
MW-3	12/09/03	6120.42	76.15	76.22	0.07	6044.25
MW-3	03/15/04	6120.42	76.07	76.13	0.06	6044.33
MW-3	06/17/04	6120.42	75.98	76.02	0.04	6044.43
MW-3	09/16/04	6120.42	75.72	75.75	0.03	6044.69
MW-3	12/20/04	6120.42	75.46	75.50	0.04	6044.95
MW-3	03/17/05	6120.42	75.39	75.43	0.04	6045.02
MW-3	06/17/05	6120.42	ND	75.43		6044.99
MW-3	09/15/05	6120.42	ND	75.49		6044.93
MW-3	12/22/05	6120.42	ND	75.51		6044.91
MW-3	03/27/06	6120.42	ND	75.54		6044.88
MW-3	06/19/06	6120.42	ND	75.63		6044.79
MW-3	09/27/06	6120.42	ND	75.88		6044.54
MW-3	12/20/06	6120.42	ND	75.77		6044.65
MW-3	03/28/07	6120.42	ND	75.92		6044.50
MW-3	06/14/07	6120.42	ND	76.29		6044.13
MW-3	09/18/07	6120.42	ND	76.21		6044.21
MW-3	12/17/07	6120.42	ND	75.20		6045.22
MW-3	03/05/08	6120.42	ND	76.10		6044.32
MW-3	06/12/08	6120.42	ND	76.22		6044.20
MW-3	09/08/08	6120.42	ND	76.14		6044.28
MW-3	12/03/08	6120.42	ND	76.23		6044.19
MW-3	03/10/09	6120.42	ND	76.20		6044.22
MW-3	06/03/09	6120.42	ND	76.43		6043.99
MW-3	08/26/09	6120.42	ND	76.38		6044.04
MW-3	11/05/09	6120.42	ND	76.53		6043.89
MW-3	02/11/10	6120.42	ND	76.41		6044.01

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	05/21/10	6120.42	ND	76.60		6043.82
MW-3	09/29/10	6120.42	ND	76.80		6043.62
MW-3	11/02/10	6120.42	ND	76.97		6043.45
MW-3	02/02/11	6120.42	ND	76.85		6043.57
MW-3	05/04/11	6120.42	ND	76.81		6043.61
MW-3	09/29/11	6120.42	76.39	76.41	0.02	6044.02
MW-3	11/11/11	6120.42	ND	76.49		6043.93
MW-3	02/16/12	6120.42	ND	76.33		6044.09
MW-3	05/08/12	6120.42	ND	76.35		6044.07
MW-3	06/07/13	6120.42	ND	76.91		6043.51
MW-3	09/12/13	6120.42	ND	77.10		6043.32
MW-3	12/13/13	6120.42	ND	77.09		6043.33
MW-3	04/05/14	6120.42	ND	77.07		6043.35
MW-3	10/21/14	6120.42	ND	77.24		6043.18
MW-3	05/27/15	6120.42	ND	77.12		6043.30
MW-3	11/22/15	6120.42	ND	77.08		6043.34
MW-3	04/15/16	6120.42	ND	76.73		6043.69
MW-3	10/11/16	6120.42	76.36	76.61	0.25	6043.99
MW-3	06/06/17	6120.42	ND	75.95		6044.47
MW-3	11/10/17	6120.42	ND	75.57		6044.85
MW-3	03/30/18	6120.42	ND	75.46		6044.96
MW-3	05/02/18	6120.42	ND	74.14		6046.28
MW-3	05/18/18	6120.42	ND	75.17		6045.25
MW-3	10/25/18	6120.42	ND	75.55		6044.87
MW-3	05/24/19	6120.42	ND	76.08		6044.34
MW-3	11/13/19	6120.42	ND	76.34		6044.08
MW-3	05/13/20	6120.42	ND	76.49		6043.93
MW-3	11/14/20	6120.42	ND	76.78		6043.64
MW-3	05/22/21	6120.42	77.17	77.18	0.01	6043.24
MW-3	08/30/21	6120.42	77.34	77.35	0.01	6043.07
MW-3	11/14/21	6120.42	77.55	77.62	0.07	6042.85
MW-4	12/07/95	6121.10	NR	75.81		6045.29
MW-4	12/03/96	6121.10	75.48	75.80	0.32	6045.54
MW-4	03/07/97	6121.10	NR	75.92		6045.18
MW-4	06/05/01	6121.10	NR	76.48		6044.62
MW-4	07/13/01	6121.10	NR	76.59		6044.51
MW-4	08/16/01	6121.10	NR	76.48		6044.62
MW-4	09/10/01	6121.10	NR	76.45		6044.65
MW-4	12/04/01	6121.10	NR	77.29		6043.81
MW-4	01/07/02	6121.10	76.30	76.31	0.01	6044.79

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	01/23/02	6121.10	75.95	75.96	0.01	6045.14
MW-4	01/31/02	6121.10	76.01	76.02	0.01	6045.08
MW-4	02/07/02	6121.10	76.21	76.22	0.01	6044.88
MW-4	02/14/02	6121.10	76.05	76.06	0.01	6045.04
MW-4	02/20/02	6121.10	76.09	76.10	0.01	6045.00
MW-4	05/17/02	6121.10	NR	76.11		6044.99
MW-4	09/04/02	6121.10	NR	76.28		6044.82
MW-4	12/17/02	6121.10	NR	76.04		6045.06
MW-4	06/26/03	6121.10	ND	76.24		6044.86
MW-4	09/14/03	6121.10	ND	76.28		6044.82
MW-4	12/09/03	6121.10	ND	76.07		6045.03
MW-4	03/15/04	6121.10	ND	76.05		6045.05
MW-4	06/17/04	6121.10	ND	75.86		6045.24
MW-4	09/16/04	6121.10	ND	75.54		6045.56
MW-4	12/20/04	6121.10	ND	75.40		6045.70
MW-4	03/17/05	6121.10	ND	75.27		6045.83
MW-4	06/17/05	6121.10	ND	75.32		6045.78
MW-4	09/15/05	6121.10	ND	75.26		6045.84
MW-4	12/22/05	6121.10	ND	75.34		6045.76
MW-4	03/27/06	6121.10	ND	75.31		6045.79
MW-4	06/19/06	6121.10	ND	75.46		6045.64
MW-4	09/27/06	6121.10	ND	75.80		6045.30
MW-4	12/20/06	6121.10	ND	75.70		6045.40
MW-4	03/28/07	6121.10	ND	75.89		6045.21
MW-4	06/14/07	6121.10	ND	76.22		6044.88
MW-4	09/18/07	6121.10	ND	76.27		6044.83
MW-4	12/17/07	6121.10	ND	76.13		6044.97
MW-4	03/05/08	6121.10	ND	75.99		6045.11
MW-4	06/12/08	6121.10	ND	76.03		6045.07
MW-4	09/08/08	6121.10	ND	75.99		6045.11
MW-4	12/03/08	6121.10	76.04	76.08	0.04	6045.05
MW-4	03/10/09	6121.10	ND	76.23		6044.87
MW-4	06/03/09	6121.10	ND	76.30		6044.80
MW-4	08/26/09	6121.10	ND	76.62		6044.48
MW-4	11/05/09	6121.10	ND	76.47		6044.63
MW-4	02/11/10	6121.10	ND	76.32		6044.78
MW-4	05/21/10	6121.10	ND	76.58		6044.52
MW-4	09/29/10	6121.10	ND	76.85		6044.25
MW-4	11/02/10	6121.10	ND	77.07		6044.03
MW-4	02/02/11	6121.10	ND	76.80		6044.30
MW-4	05/04/11	6121.10	ND	76.78		6044.32

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	09/29/11	6121.10	ND	76.27		6044.83
MW-4	11/11/11	6121.10	ND	76.25		6044.85
MW-4	02/16/12	6121.10	ND	76.97		6044.13
MW-4	05/08/12	6121.10	ND	76.03		6045.07
MW-4	06/07/13	6121.10	ND	76.87		6044.23
MW-4	09/12/13	6121.10	ND	77.08		6044.02
MW-4	12/13/13	6121.10	ND	77.11		6043.99
MW-4	04/05/14	6121.10	ND	77.06		6044.04
MW-4	10/21/14	6121.10	ND	77.20		6043.90
MW-4	05/27/15	6121.10	ND	77.12		6043.98
MW-4	11/22/15	6121.10	ND	77.06		6044.04
MW-4	04/15/16	6121.10	ND	76.67		6044.43
MW-4	10/11/16	6121.10	ND	76.30		6044.80
MW-4	06/06/17	6121.10	ND	75.69		6045.41
MW-4	11/10/17	6121.10	ND	75.31		6045.79
MW-4	03/30/18	6121.10	ND	75.08		6046.02
MW-4	05/02/18	6121.10	ND	73.72		6047.38
MW-4	05/18/18	6121.10	74.78	74.98	0.20	6046.27
MW-4	10/25/18	6121.10	75.07	75.08	0.01	6046.02
MW-4	05/24/19	6121.10	75.33	75.55	0.22	6045.71
MW-4	11/13/19	6121.10	75.86	75.99	0.13	6045.20
MW-4	05/13/20	6121.10	76.10	76.15	0.05	6044.98
MW-4	08/18/20	6121.10	74.34	74.35	0.01	6046.75
MW-4	11/14/20	6121.10	76.35	76.37	0.02	6044.74
MW-4	03/17/21	6121.10	ND	76.60	0.00	6044.50
MW-4	05/22/21	6121.10	76.80	76.82	0.02	6044.29
MW-4	08/30/21	6121.10	77.02	77.07	0.05	6044.06
MW-4	11/14/21	6121.10	77.28	77.30	0.02	6043.81
MW-5	08/30/00	6117.88	NR	74.19		6043.69
MW-5	06/05/01	6117.88	NR	74.26		6043.62
MW-5	07/13/01	6117.88	NR	74.34		6043.54
MW-5	08/16/01	6117.88	NR	74.29		6043.59
MW-5	09/10/01	6117.88	NR	74.30		6043.58
MW-5	05/17/02	6117.88	NR	74.15		6043.73
MW-5	09/04/02	6117.88	NR	74.24		6043.64
MW-5	12/17/02	6117.88	NR	73.78		6044.10
MW-5	06/26/03	6117.88	ND	74.27		6043.61
MW-5	09/14/03	6117.88	ND	74.42		6043.46
MW-5	12/09/03	6117.88	ND	74.25		6043.63
MW-5	03/15/04	6117.88	ND	74.23		6043.65

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	06/17/04	6117.88	ND	74.21		6043.67
MW-5	09/16/04	6117.88	ND	74.00		6043.88
MW-5	12/20/04	6117.88	ND	73.83		6044.05
MW-5	03/17/05	6117.88	ND	73.76		6044.12
MW-5	06/17/05	6117.88	ND	73.81		6044.07
MW-5	09/15/05	6117.88	ND	73.80		6044.08
MW-5	12/22/05	6117.88	ND	73.93		6043.95
MW-5	03/27/06	6117.88	ND	73.94		6043.94
MW-5	06/19/06	6117.88	ND	73.98		6043.90
MW-5	09/27/06	6117.88	ND	74.20		6043.68
MW-5	12/20/06	6117.88	ND	74.00		6043.88
MW-5	03/28/07	6117.88	ND	74.17		6043.71
MW-5	06/14/07	6117.88	ND	74.39		6043.49
MW-5	09/18/07	6117.88	ND	74.46		6043.42
MW-5	12/17/07	6117.88	ND	74.41		6043.47
MW-5	03/05/08	6117.88	ND	74.36		6043.52
MW-5	06/12/08	6117.88	ND	74.53		6043.35
MW-5	09/08/08	6117.88	ND	74.47		6043.41
MW-5	12/03/08	6117.88	ND	74.54		6043.34
MW-5	03/10/09	6117.88	ND	74.53		6043.35
MW-5	06/03/09	6117.88	74.65	74.67	0.02	6043.22
MW-5	08/26/09	6117.88	ND	76.44		6041.44
MW-5	11/05/09	6117.88	ND	74.83		6043.05
MW-5	02/11/10	6117.88	74.64	74.66	0.02	6043.23
MW-5	05/21/10	6117.88	74.95	75.00	0.05	6042.91
MW-5	09/29/10	6117.88	74.84	75.20	0.36	6042.95
MW-5	11/02/10	6117.88	76.32	76.67	0.35	6041.47
MW-5	02/02/11	6117.88	75.16	75.53	0.37	6042.62
MW-5	05/04/11	6117.88	77.50	77.53	0.03	6040.37
MW-5	09/29/11	6117.88	74.69	75.09	0.40	6043.09
MW-5	11/11/11	6117.88	74.90	75.18	0.28	6042.91
MW-5	02/16/12	6117.88	74.82	74.99	0.17	6043.01
MW-5	05/08/12	6117.88	ND	74.77		6043.11
MW-5	06/07/13	6117.88	75.16	75.25	0.09	6042.69
MW-5	09/12/13	6117.88	75.34	75.52	0.18	6042.49
MW-5	12/13/13	6117.88	75.30	75.52	0.22	6042.52
MW-5	04/05/14	6117.88	75.28	75.54	0.26	6042.53
MW-5	10/21/14	6117.88	75.44	75.44	0.00	6042.44
MW-5	05/27/15	6117.88	75.44	75.45	0.01	6042.43
MW-5	11/22/15	6117.88	75.46	75.47	0.01	6042.41
MW-5	04/15/16	6117.88	75.23	75.57	0.34	6042.56

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	10/11/16	6117.88	74.53	75.03	0.50	6043.22
MW-5	06/06/17	6117.88	ND	74.72		6043.16
MW-5	11/10/17	6117.88	ND	74.44		6043.44
MW-5	03/30/18	6117.88	ND	74.37		6043.51
MW-5	05/18/18	6117.88	ND	74.11		6043.77
MW-5	10/25/18	6117.88	ND	74.56		6043.32
MW-5	05/24/19	6117.88	ND	74.92		6042.96
MW-5	11/13/19	6117.88	ND	75.18		6042.70
MW-5	05/13/20	6117.88	ND	75.30		6042.58
MW-5	11/14/20	6117.88	ND	75.54		6042.34
MW-5	05/22/21	6117.88	ND	75.87		6042.01
MW-5	08/30/21	6117.88	ND	76.00		6041.88
MW-5	11/14/21	6117.88	ND	76.21		6041.67
MW-6	12/20/01	6113.73	NR	NR		NR
MW-6	12/28/01	6113.73	NR	NR		NR
MW-6	03/06/02	6113.73	70.64	72.09	1.45	6042.72
MW-6	03/11/02	6113.73	71.38	71.95	0.57	6042.20
MW-6	03/21/02	6113.73	71.17	71.44	0.27	6042.49
MW-6	04/03/02	6113.73	71.04	71.06	0.02	6042.68
MW-6	05/17/02	6113.73	70.97	71.04	0.07	6042.74
MW-6	09/04/02	6113.73	71.05	71.28	0.23	6042.62
MW-6	12/17/02	6113.73	71.03	71.06	0.03	6042.69
MW-6	03/20/03	6113.73	70.90	71.43	0.53	6042.69
MW-6	06/26/03	6113.73	71.04	71.66	0.62	6042.53
MW-6	09/14/03	6113.73	71.04	72.25	1.21	6042.38
MW-6	12/09/03	6113.73	71.10	71.75	0.65	6042.46
MW-6	03/15/04	6113.73	71.11	71.74	0.63	6042.46
MW-6	06/17/04	6113.73	71.11	71.68	0.57	6042.47
MW-6	09/16/04	6113.73	71.05	71.79	0.74	6042.49
MW-6	12/20/04	6113.73	71.05	72.09	1.04	6042.42
MW-6	03/17/05	6113.73	70.96	71.79	0.83	6042.56
MW-6	06/17/05	6113.73	71.05	72.05	1.00	6042.43
MW-6	09/15/05	6113.73	71.04	72.14	1.10	6042.41
MW-6	12/22/05	6113.73	71.30	72.22	0.92	6042.20
MW-6	03/27/06	6113.73	71.02	72.10	1.08	6042.44
MW-6	06/19/06	6113.73	71.34	72.33	0.99	6042.14
MW-6	07/21/06	6113.73	71.54	72.44	0.90	6041.96
MW-6	08/24/06	6113.73	71.54	72.42	0.88	6041.97
MW-6	09/27/06	6113.73	71.57	72.37	0.80	6041.96
MW-6	10/22/06	6113.73	71.53	72.35	0.82	6041.99

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	11/07/06	6113.73	71.66	72.43	0.77	6041.87
MW-6	12/20/06	6113.73	71.60	72.41	0.81	6041.92
MW-6	01/16/07	6113.73	71.62	72.45	0.83	6041.90
MW-6	02/26/07	6113.73	71.65	72.41	0.76	6041.89
MW-6	03/26/07	6113.73	71.76	72.50	0.74	6041.78
MW-6	03/28/07	6113.73	ND	72.39		6041.34
MW-6	04/30/07	6113.73	71.77	72.49	0.72	6041.78
MW-6	05/24/07	6113.73	71.91	72.50	0.59	6041.67
MW-6	06/14/07	6113.73	71.83	72.42	0.59	6041.75
MW-6	07/31/07	6113.73	71.83	72.49	0.66	6041.73
MW-6	08/29/07	6113.73	71.82	72.47	0.65	6041.74
MW-6	09/18/07	6113.73	71.82	72.43	0.61	6041.75
MW-6	10/31/07	6113.73	72.12	72.40	0.28	6041.54
MW-6	11/30/07	6113.73	72.02	72.27	0.25	6041.64
MW-6	12/17/07	6113.73	72.11	72.18	0.07	6041.60
MW-6	01/23/08	6113.73	71.96	72.13	0.17	6041.72
MW-6	03/05/08	6113.73	71.94	71.95	0.01	6041.78
MW-6	04/15/08	6113.73	ND	72.09		6041.64
MW-6	05/08/08	6113.73	ND	71.94		6041.79
MW-6	06/12/08	6113.73	ND	72.02		6041.71
MW-6	07/17/08	6113.73	ND	72.07		6041.66
MW-6	08/12/08	6113.73	ND	72.02		6041.71
MW-6	09/08/08	6113.73	71.91	71.92	0.01	6041.81
MW-6	10/09/08	6113.73	ND	71.97		6041.76
MW-6	11/07/08	6113.73	ND	71.98		6041.75
MW-6	12/03/08	6113.73	ND	72.00		6041.73
MW-6	01/16/09	6113.73	ND	72.15		6041.58
MW-6	02/06/09	6113.73	ND	72.09		6041.64
MW-6	03/10/09	6113.73	ND	71.92		6041.81
MW-6	04/01/09	6113.73	ND	71.84		6041.89
MW-6	05/01/09	6113.73	ND	72.00		6041.73
MW-6	06/03/09	6113.73	ND	72.06		6041.67
MW-6	08/26/09	6113.73	ND	73.02		6040.71
MW-6	11/05/09	6113.73	ND	72.18		6041.55
MW-6	02/11/10	6113.73	ND	72.13		6041.60
MW-6	05/21/10	6113.73	ND	72.20		6041.53
MW-6	09/29/10	6113.73	ND	72.15		6041.58
MW-6	11/02/10	6113.73	ND	73.07		6040.66
MW-6	02/02/11	6113.73	ND	72.25		6041.48
MW-6	05/04/11	6113.73	ND	72.32		6041.41
MW-6	09/29/11	6113.73	ND	72.30		6041.43

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	11/11/11	6113.73	ND	72.78		6040.95
MW-6	02/16/12	6113.73	ND	72.29		6041.44
MW-6	05/08/12	6113.73	ND	72.37		6041.36
MW-6	06/07/13	6113.73	ND	72.51		6041.22
MW-6	09/12/13	6113.73	ND	72.40		6041.33
MW-6	12/13/13	6113.73	ND	72.63		6041.10
MW-6	04/05/14	6113.73	ND	72.64		6041.09
MW-6	10/21/14	6113.73	ND	72.86		6040.87
MW-6	05/27/15	6113.73	ND	72.90		6040.83
MW-6	11/22/15	6113.73	ND	72.97		6040.76
MW-6	04/15/16	6113.73	ND	72.94		6040.79
MW-6	10/11/16	6113.73	ND	73.04		6040.69
MW-6	06/06/17	6113.73	ND	72.75		6040.98
MW-6	11/10/17	6113.73	ND	72.72		6041.01
MW-6	03/30/18	6113.73	ND	72.91		6040.82
MW-6	05/18/18	6113.73	ND	72.60		6041.13
MW-6	10/25/18	6113.73	ND	72.73		6041.00
MW-6	05/24/19	6113.73	ND	72.85		6040.88
MW-6	11/13/19	6113.73	ND	73.08		6040.65
MW-6	05/13/20	6113.73	ND	73.17		6040.56
MW-6	11/14/20	6113.73	ND	73.43		6040.30
MW-6	05/22/21	6113.73	ND	73.53		6040.20
MW-6	08/30/21	6113.73	ND	73.64		6040.09
MW-6	11/14/21	6113.73	ND	73.78		6039.95
MW-7	12/20/06	6121.89	ND	74.38		6047.51
MW-7	03/28/07	6121.89	ND	74.51		6047.38
MW-7	06/14/07	6121.89	ND	74.47		6047.42
MW-7	09/18/07	6121.89	ND	74.22		6047.67
MW-7	12/17/07	6121.89	ND	74.12		6047.77
MW-7	03/05/08	6121.89	ND	73.90		6047.99
MW-7	04/15/08	6121.89	ND	72.82		6049.07
MW-7	06/12/08	6121.89	ND	73.77		6048.12
MW-7	09/08/08	6121.89	73.75	73.76	0.01	6048.13
MW-7	12/03/08	6121.89	ND	73.92		6047.97
MW-7	03/10/09	6121.89	ND	73.83		6048.06
MW-7	06/03/09	6121.89	ND	73.85		6048.04
MW-7	08/25/09	6121.89	NA	NA		0.00
MW-7	08/26/09	6121.89	ND	73.63		6048.26
MW-7	11/05/09	6121.89	ND	73.92		6047.97
MW-7	02/11/10	6121.89	ND	73.91		6047.98

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-7	05/21/10	6121.89	ND	74.28		6047.61
MW-7	09/29/10	6121.89	ND	74.57		6047.32
MW-7	11/02/10	6121.89	ND	74.76		6047.13
MW-7	02/02/11	6121.89	ND	73.95		6047.94
MW-7	05/04/11	6121.89	ND	73.00		6048.89
MW-7	09/29/11	6121.89	ND	71.93		6049.96
MW-7	11/11/11	6121.89	ND	71.90		6049.99
MW-7	02/16/12	6121.89	ND	71.85		6050.04
MW-7	05/08/12	6121.89	ND	72.94		6048.95
MW-7	06/07/13	Well Destroyed				
MW-9	12/20/06	6109.56	ND	67.56		6042.00
MW-9	03/28/07	6109.56	ND	67.72		6041.84
MW-9	06/14/07	6109.56	ND	67.97		6041.59
MW-9	09/18/07	6109.56	ND	68.10		6041.46
MW-9	12/17/07	6109.56	ND	68.07		6041.49
MW-9	03/05/08	6109.56	ND	68.04		6041.52
MW-9	04/15/08	6109.56	ND	68.03		6041.53
MW-9	06/12/08	6109.56	ND	68.27		6041.29
MW-9	09/08/08	6109.56	ND	68.25		6041.31
MW-9	12/03/08	6109.56	ND	68.26		6041.30
MW-9	03/10/09	6109.56	ND	68.28		6041.28
MW-9	06/03/09	6109.56	ND	68.44		6041.12
MW-9	08/26/09	6109.56	ND	68.40		6041.16
MW-9	11/05/09	6109.56	ND	68.62		6040.94
MW-9	02/11/10	6109.56	ND	68.30		6041.26
MW-9	05/21/10	6109.56	ND	68.42		6041.14
MW-9	09/29/10	6109.56	ND	68.47		6041.09
MW-9	11/02/10	6109.56	ND	68.73		6040.83
MW-9	02/02/11	6109.56	ND	68.60		6040.96
MW-9	05/04/11	6109.56	ND	68.74		6040.82
MW-9	09/29/11	6109.56	ND	68.67		6040.89
MW-9	11/11/11	6109.56	ND	68.65		6040.91
MW-9	02/16/12	6109.56	ND	68.60		6040.96
MW-9	05/08/12	6109.56	ND	68.62		6040.94
MW-9	06/07/13	6109.56	ND	68.99		6040.57
MW-9	09/12/13	6109.56	ND	69.18		6040.38
MW-9	12/13/13	6109.56	ND	69.04		6040.52
MW-9	04/05/14	6109.56	ND	69.02		6040.54
MW-9	10/21/14	6109.56	ND	69.30		6040.26
MW-9	05/27/15	6109.56	ND	69.44		6040.12

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-9	11/22/15	6109.56	ND	69.58		6039.98
MW-9	04/15/16	6109.56	ND	69.44		6040.12
MW-9	10/11/16	6109.56	ND	69.34		6040.22
MW-9	06/06/17	6109.56	ND	69.36		6040.20
MW-9	11/10/17	6109.56	ND	69.34		6040.22
MW-9	03/30/18	6109.56	ND	69.38		6040.18
MW-9	05/18/18	6109.56	ND	69.15		6040.41
MW-9	10/25/18	6109.56	ND	69.39		6040.17
MW-9	05/24/19	6109.56	ND	69.61		6039.95
MW-9	11/13/19	6109.56	ND	69.69		6039.87
MW-9	05/13/20	6109.56	ND	69.75		6039.81
MW-9	11/14/20	6109.56	ND	69.83		6039.73
MW-9	05/22/21	6109.56	ND	70.15		6039.41
MW-9	08/30/21	6109.56	ND	70.32		6039.24
MW-9	11/14/21	6109.56	ND	70.53		6039.03
MW-10	05/27/15	6123.78	71.78	71.94	0.16	6051.96
MW-10	11/22/15	6123.78	71.11	71.29	0.18	6052.63
MW-10	04/15/16	6123.78	ND	70.62		6053.16
MW-10	10/11/16	6123.78	ND	69.85		6053.93
MW-10	06/06/17	6123.78	ND	68.99		6054.79
MW-10	11/10/17	6123.78	ND	68.44		6055.34
MW-10	03/30/18	6124.78	ND	68.85		6055.93
MW-10	05/02/18	6124.78	ND	68.74		6056.04
MW-10	05/18/18	6123.78	ND	68.77		6055.01
MW-10	10/25/18	6123.78	ND	69.42		6054.36
MW-10	05/24/19	6123.78	ND	70.22		6053.56
MW-10	11/13/19	6123.78	ND	70.17		6053.61
MW-10	05/13/20	6123.78	ND	70.40		6053.38
MW-10	11/14/20	6123.78	ND	70.84		6052.94
MW-10	05/22/21	6123.78	71.43	71.45	0.02	6052.35
MW-10	08/30/21	6123.78	70.71	70.73	0.02	6053.07
MW-10	11/14/21	6123.78	71.98	72.09	0.11	6051.77
MW-11	05/27/15	6121.55	75.01	75.02	0.01	6046.54
MW-11	11/22/15	6121.55	74.59	74.61	0.02	6046.96
MW-11	04/15/16	6121.55	74.33	75.11	0.78	6047.03
MW-11	10/11/16	6121.55	73.66	73.79	0.13	6047.86
MW-11	06/06/17	6123.78	ND	73.03		6050.75
MW-11	11/10/17	6123.78	ND	72.91		6050.87
MW-11	03/30/18	6124.78	ND	72.32		6052.46

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-11	05/02/18	6124.78	ND	72.35		6052.43
MW-11	05/18/18	6123.78	ND	72.10		6051.68
MW-11	10/25/18	6121.55	ND	72.55		6049.00
MW-11	05/24/19	6121.55	ND	73.10		6048.45
MW-11	11/13/19	6121.55	ND	73.48		6048.07
MW-11	05/13/20	6121.55	ND	73.80		6047.75
MW-11	11/14/20	6121.55	ND	74.24		6047.31
MW-11	05/22/21	6121.55	74.70	74.80	0.10	6046.83
MW-11	08/30/21	6121.55	74.91	74.99	0.08	6046.62
MW-11	11/14/21	6121.55	75.14	75.26	0.12	6046.38
MW-12	05/27/15	6118.17	ND	86.28		6031.89
MW-12	11/22/15	6118.17	ND	85.20		6032.97
MW-12	04/15/16	6118.17	ND	84.49		6033.68
MW-12	10/11/16	6118.17	ND	83.46		6034.71
MW-12	06/06/17	6118.17	ND	82.13		6036.04
MW-12	11/10/17	6118.17	ND	81.34		6036.83
MW-12	03/30/18	6118.17	ND	80.55		6037.62
MW-12	05/18/18	6118.17	ND	80.30		6037.87
MW-12	10/25/18	6118.17	ND	79.40		6038.77
MW-12	05/24/19	6118.17	ND	78.95		6039.22
MW-12	11/13/19	6118.17	ND	78.25		6039.92
MW-12	05/13/20	6118.17	ND	77.86		6040.31
MW-12	11/14/20	6118.17	ND	77.55		6040.62
MW-12	05/22/21	6118.17	ND	77.28		6040.89
MW-12	08/30/21	6118.17	ND	77.18		6040.99
MW-12	11/14/21	6118.17	ND	77.21		6040.96
MW-13	05/27/15	6115.52	ND	83.66		6031.86
MW-13	11/22/15	6115.52	ND	81.40		6034.12
MW-13	04/15/16	6115.52	ND	80.14		6035.38
MW-13	10/11/16	6115.52	ND	79.19		6036.33
MW-13	06/06/17	6115.52	ND	78.03		6037.49
MW-13	11/10/17	6115.52	ND	77.66		6037.86
MW-13	03/30/18	6115.52	ND	77.55		6037.97
MW-13	05/18/18	6115.52	ND	77.72		6037.80
MW-13	10/25/18	6115.52	ND	77.49		6038.03
MW-13	05/24/19	6115.52	ND	77.51		6038.01
MW-13	11/13/19	6115.52	ND	77.44		6038.08
MW-13	05/13/20	6115.52	ND	77.43		6038.09
MW-13	11/14/20	6115.52	ND	77.44		6038.08

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-13	05/22/21	6115.52	ND	77.63		6037.89
MW-13	08/30/21	6115.52	ND	77.72		6037.80
MW-13	11/14/21	6115.52	ND	77.75		6037.77
MW-14	05/27/15	6111.92	ND	71.41		6040.51
MW-14	11/22/15	6111.92	ND	71.45		6040.47
MW-14	04/15/16	6111.92	ND	71.26		6040.66
MW-14	10/11/16	6111.92	ND	71.22		6040.70
MW-14	06/06/17	6111.92	ND	71.04		6040.88
MW-14	11/10/17	6111.92	ND	70.90		6041.02
MW-14	03/30/18	6111.92	ND	70.93		6040.99
MW-14	05/18/18	6111.92	ND	70.66		6041.26
MW-14	10/25/18	6111.92	ND	70.95		6040.97
MW-14	05/24/19	6111.92	ND	71.20		6040.72
MW-14	11/13/19	6111.92	ND	71.28		6040.64
MW-14	05/13/20	6111.92	ND	71.33		6040.59
MW-14	11/14/20	6111.92	ND	71.44		6040.48
MW-14	05/22/21	6111.92	ND	71.78		6040.14
MW-14	08/30/21	6111.92	ND	71.85		6040.07
MW-14	11/14/21	6111.92	ND	72.11		6039.81
MW-15	05/27/15	6110.93	ND	70.42		6040.51
MW-15	11/22/15	6110.93	ND	70.56		6040.37
MW-15	04/15/16	6110.93	ND	70.41		6040.52
MW-15	10/11/16	6110.93	ND	70.38		6040.55
MW-15	06/06/17	6110.93	ND	70.36		6040.57
MW-15	11/10/17	6110.93	ND	70.31		6040.62
MW-15	03/30/18	6110.93	ND	70.35		6040.58
MW-15	05/18/18	6110.93	ND	70.13		6040.80
MW-15	10/25/18	6110.93	ND	70.34		6040.59
MW-15	05/24/19	6110.93	ND	70.59		6040.34
MW-15	11/13/19	6110.93	ND	70.55		6040.38
MW-15	05/13/20	6110.93	ND	70.70		6040.23
MW-15	11/14/20	6110.93	ND	70.73		6040.20
MW-15	05/22/21	6110.93	ND	71.06		6039.87
MW-15	08/30/21	6110.93	ND	71.19		6039.74
MW-15	11/14/21	6110.93	ND	71.44		6039.49
MW-16	05/27/15	6113.78	ND	72.66		6041.12
MW-16	11/22/15	6113.78	ND	72.79		6040.99
MW-16	04/15/16	6113.78	ND	72.69		6041.09

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-16	10/11/16	6113.78	ND	72.84		6040.94
MW-16	06/06/17	6113.78	ND	72.58		6041.20
MW-16	11/10/17	6113.78	ND	72.53		6041.25
MW-16	03/30/18	6113.78	ND	72.46		6041.32
MW-16	05/18/18	6113.78	ND	72.36		6041.42
MW-16	10/25/18	6113.78	ND	72.56		6041.22
MW-16	05/24/19	6113.78	ND	72.73		6041.05
MW-16	11/13/19	6113.78	ND	72.90		6040.88
MW-16	05/13/20	6113.78	ND	72.92		6040.86
MW-16	11/14/20	6113.78	ND	73.07		6040.71
MW-16	05/22/21	6113.78	73.31	73.32	0.01	6040.47
MW-16	08/30/21	6113.78	73.42	73.44	0.02	6040.36
MW-16	11/14/21	6113.78	73.65	73.69	0.04	6040.12
MW-17	05/27/15	6117.30	ND	85.94		6031.36
MW-17	11/22/15	6117.30	ND	84.77		6032.53
MW-17	04/15/16	6117.30	ND	84.18		6033.12
MW-17	10/11/16	6117.30	ND	83.42		6033.88
MW-17	06/06/17	6117.30	ND	82.48		6034.82
MW-17	11/10/17	6117.30	ND	81.87		6035.43
MW-17	03/30/18	6117.30	ND	81.38		6035.92
MW-17	05/18/18	6117.30	ND	80.16		6037.14
MW-17	10/25/18	6117.30	ND	80.56		6036.74
MW-17	05/24/19	6117.30	ND	80.50		6036.80
MW-17	11/13/19	6117.30	ND	80.09		6037.21
MW-17	05/13/20	6117.30	ND	79.81		6037.49
MW-17	08/18/20	6117.30	ND	79.73		6037.57
MW-17	11/14/20	6117.30	ND	79.52		6037.78
MW-17	05/22/21	6117.30	ND	79.28		6038.02
MW-17	08/30/21	6117.30	ND	79.35		6037.95
MW-17	11/14/21	6117.30	ND	79.25		6038.05
MW-18	05/27/15	6121.16	ND	77.74		6043.42
MW-18	11/22/15	6121.16	ND	77.70		6043.46
MW-18	04/15/16	6121.16	ND	77.52		6043.64
MW-18	10/11/16	6121.16	ND	77.54		6043.62
MW-18	06/06/17	6121.16	ND	77.01		6044.15
MW-18	11/10/17	6121.16	ND	76.83		6044.33
MW-18	03/30/18	6121.16	ND	76.66		6044.50
MW-18	05/18/18	6121.16	ND	76.47		6044.69
MW-18	10/25/18	6121.16	ND	76.47		6044.69

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-18	05/24/19	6121.16	ND	76.41		6044.75
MW-18	11/13/19	6121.16	ND	76.67		6044.49
MW-18	05/13/20	6121.16	ND	76.65		6044.51
MW-18	11/14/20	6121.16	ND	76.80		6044.36
MW-18	05/22/21	6121.16	ND	77.05		6044.11
MW-18	08/30/21	6121.16	ND	77.34		6043.82
MW-18	11/14/21	6121.16	ND	77.49		6043.67
MW-19	05/27/15	6115.44	ND	73.76		6041.68
MW-19	11/22/15	6115.44	ND	73.82		6041.62
MW-19	04/15/16	6115.44	ND	73.67		6041.77
MW-19	10/11/16	6115.44	ND	73.76		6041.68
MW-19	06/06/17	6115.44	ND	73.29		6042.15
MW-19	11/10/17	6115.44	ND	73.12		6042.32
MW-19	03/30/18	6115.44	ND	73.05		6042.39
MW-19	05/18/18	6115.44	ND	72.82		6042.62
MW-19	10/25/18	6115.44	ND	73.22		6042.22
MW-19	05/24/19	6115.44	ND	73.40		6042.04
MW-19	11/13/19	6115.44	ND	73.68		6041.76
MW-19	05/13/20	6115.44	ND	73.71		6041.73
MW-19	08/18/20	6115.44	ND	77.08		6038.36
MW-19	11/14/20	6115.44	ND	73.92		6041.52
MW-19	05/22/21	6115.44	ND	74.21		6041.23
MW-19	08/30/21	6115.44	ND	74.31		6041.13
MW-19	11/14/21	6115.44	ND	74.52		6040.92
TW-1	11/10/17	6121.98	ND	71.84		6050.14
TW-1	05/18/18	6121.98	ND	71.75		6050.23
TW-1	10/25/18	6121.98	ND	72.09		6049.89
TW-1	05/24/19	6121.98	72.90	73.14	0.24	6049.02
TW-1	11/13/19	6121.98	ND	73.08		6048.90
TW-1	05/13/20	6121.98	ND	73.15		6048.83
TW-1	11/14/20	6121.98	ND	73.70		6048.28
TW-1	03/17/21	6121.98	74.03	74.05	0.02	6047.95
TW-1	05/22/21	6121.98	74.29	74.31	0.02	6047.69
TW-1	08/30/21	6121.98	74.33	74.51	0.18	6047.61
TW-1	11/14/21	6121.98	74.89	74.91	0.02	6047.09
TW-2	11/10/17	6120.97	ND	78.50		6042.47
TW-2	05/18/18	6120.97	ND	77.66		6043.31
TW-2	10/25/18	6120.97	ND	75.30		6045.67

TABLE 3 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
TW-2	05/24/19	6120.97	ND	75.53		6045.44
TW-2	11/13/19	6120.97	ND	75.80		6045.17
TW-2	05/13/20	6120.97	ND	75.94		6045.03
TW-2	11/14/20	6120.97	ND	76.21		6044.76
TW-2	05/22/21	6120.97	ND	76.51		6044.46
TW-2	08/30/21	6120.97	ND	76.70		6044.27
TW-2	11/14/21	6120.97	ND	76.92		6044.05
TW-3	11/10/17	6117.84	ND	86.03		6031.81
TW-3	05/18/18	6117.84	ND	76.35		6041.49
TW-3	10/25/18	6117.84	ND	74.74		6043.10
TW-3	05/24/19	6117.84	ND	75.01		6042.83
TW-3	11/13/19	6117.84	ND	73.20		6044.64
TW-3	05/13/20	6117.84	ND	75.45		6042.39
TW-3	11/14/20	6117.84	ND	75.67		6042.17
TW-3	05/22/21	6117.84	ND	75.96		6041.88
TW-3	08/30/21	6117.84	ND	76.10		6041.74
TW-3	11/14/21	6117.84	ND	76.31		6041.53

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

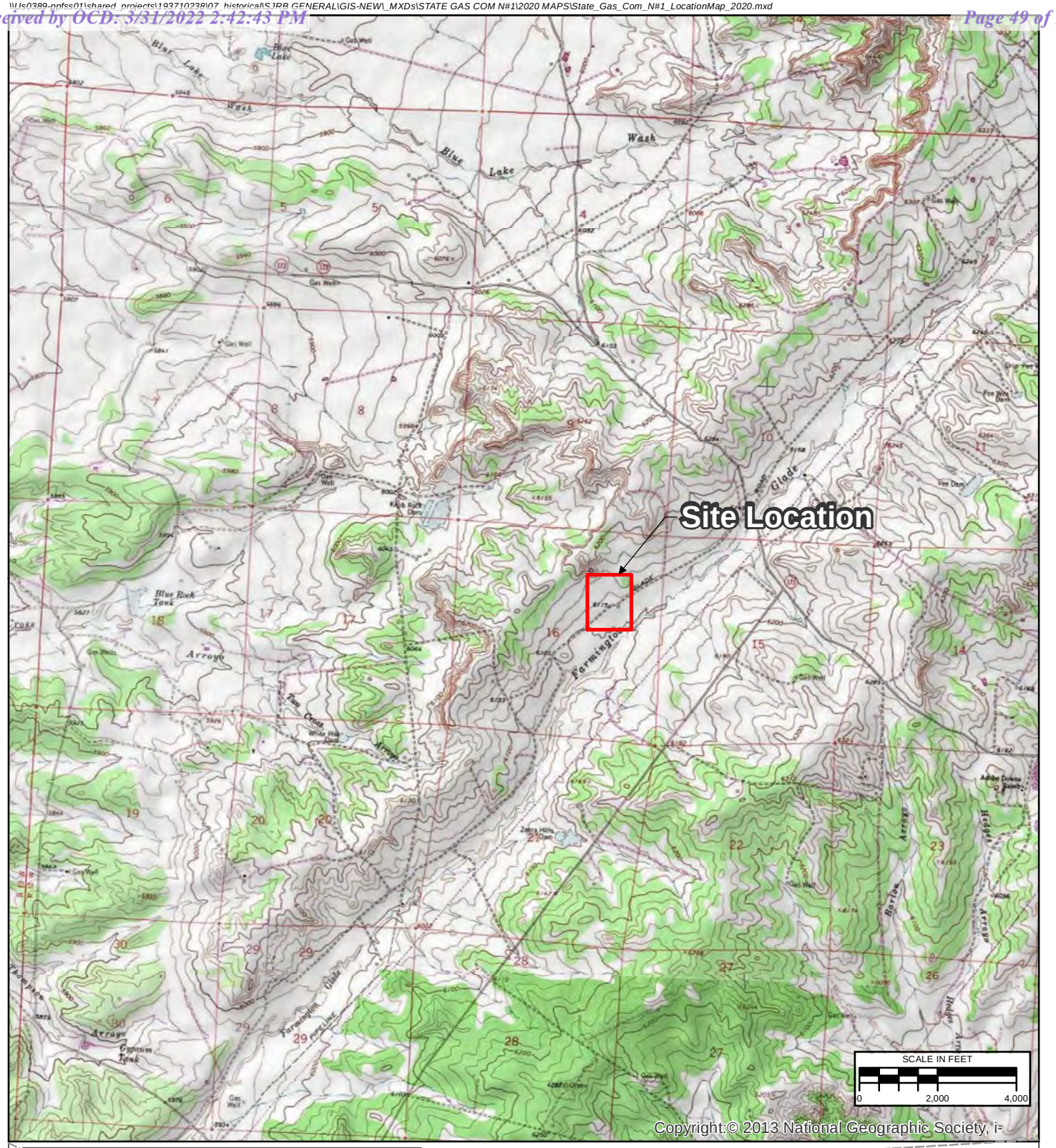
FIGURE 2: SITE PLAN

FIGURE 3: GROUNDWATER ANALYTICAL RESULTS - MAY 22, 2021

FIGURE 4: GROUNDWATER ELEVATION MAP - MAY 22, 2021

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 14, 2021

FIGURE 6: GROUNDWATER ELEVATION MAP - NOVEMBER 14, 2021



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/18/2021	SAH	SAH	SRV

TITLE

SITE LOCATION

Stantec

PROJECT

STATE GAS COM N#1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE

1

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\STATE GAS COM N#1\2019 MAPS\State_Gas_Com_N#1_SITEMAP_2019.mxd

LEGEND:

- 6120 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- —x— FENCE
- G A S NATURAL GAS LINE
- PW PRODUCED WATER LINE
- UKN UNKNOWN LINE
- UGC UNDERGROUND CABLE
- STATE LAND OFFICE WATER EASEMENT BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

N

SCALE IN FEET

0 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/11/2021	SLG	SLG	SV

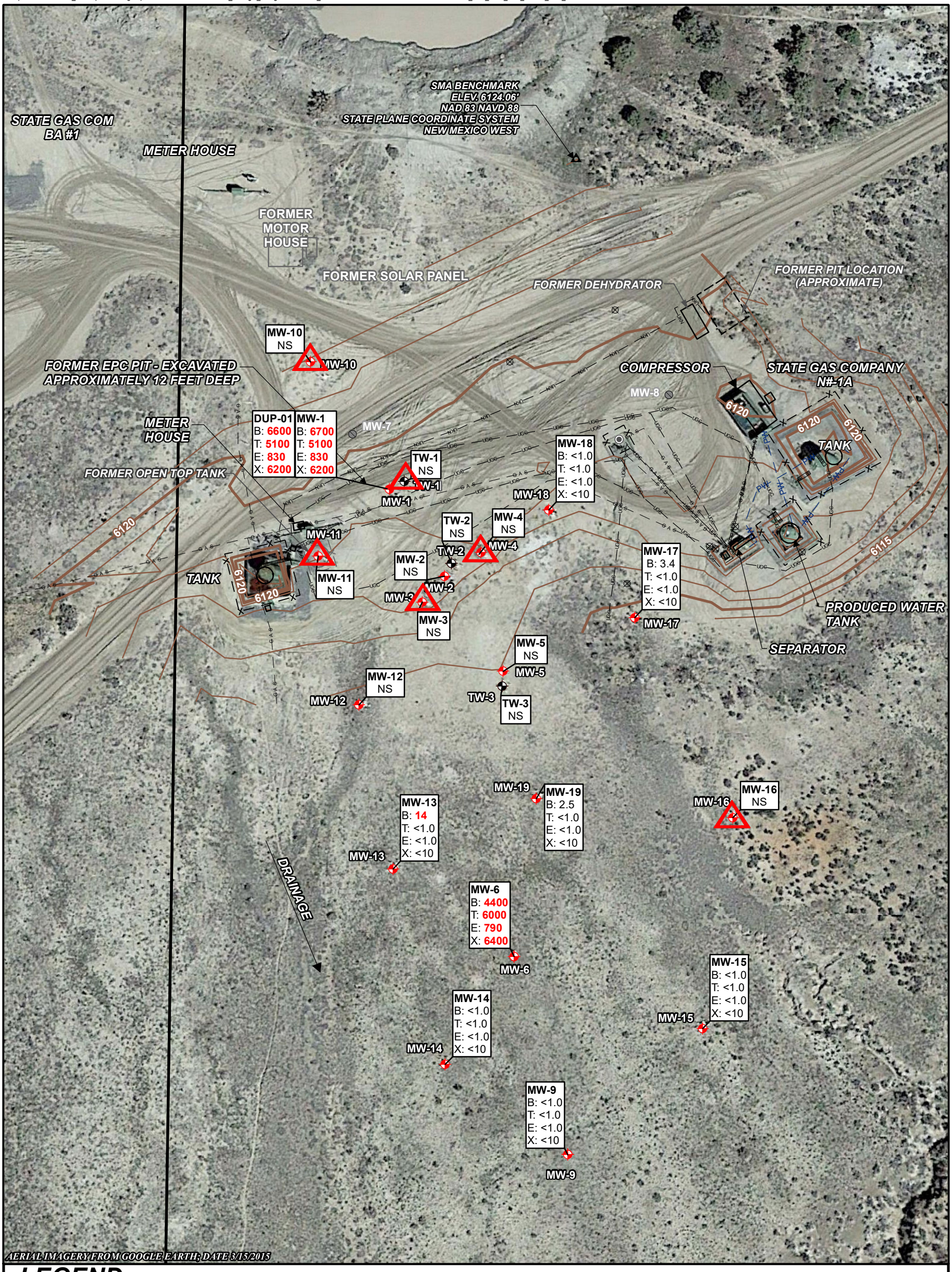
TITLE: *SITE PLAN*

PROJECT: *STATE GAS COM N#1*
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\STATE GAS COM N#1\2021 MAPS\State_Gas_Com_N#1_GARM_1SA_2021.mxd



LEGEND:

- 6120 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- FENCE
- G A S — NATURAL GAS LINE
- PW — PRODUCED WATER LINE
- UKN — UNKNOWN LINE
- UGC — UNDERGROUND CABLE
- STATE LAND OFFICE WATER EASEMENT BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

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
<1.0 = 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 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-21	SAH	SAH	SV

TITLE:
GROUNDWATER ANALYTICAL RESULTS
MAY 22, 2021

PROJECT:
STATE GAS COM N#1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 3

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\STATE GAS COM N#1\2021 MAPS\State_Gas_Com_N#1_GECM_1SA_2021.mxd

STATE GAS COM BA #1

METER HOUSE

SMA BENCHMARK
ELEV. 6124.06'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER MOTOR HOUSE

FORMER SOLAR PANEL

FORMER DEHYDRATOR

FORMER PIT LOCATION (APPROXIMATE)

COMPRESSOR

STATE GAS COMPANY N#-1A

TANK

PRODUCED WATER TANK

SEPARATOR

FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP

METER HOUSE

FORMER OPEN TOP TANK

TANK

DRAINAGE

MW-1 6048.89
MW-2 6044.15
MW-3 6043.24
MW-4 6044.29
MW-5 6042.0
MW-6 6040.20
MW-7
MW-8
MW-9 6039.41
MW-10 6052.35
MW-11 6046.83
MW-12 6040.89*
MW-13 6037.89*
MW-14 6040.14
MW-15 6039.87
MW-16 6040.47
MW-17 6038.02*
MW-18 6044.11
MW-19 6041.23
TW-1
TW-2
TW-3

6051
6049
6047
6045
6043
6041
6120
6115

AERIAL IMAGERY FROM GOOGLE EARTH; DATE 4/6/2019

LEGEND:

- 6120 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- —X— FENCE
- G A S NATURAL GAS LINE
- PW PRODUCED WATER LINE
- UKN UNKNOWN LINE
- UGC UNDERGROUND CABLE
- STATE LAND OFFICE WATER EASEMENT BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

NOTES:

6039.73 — GROUNDWATER ELEVATION (CORRECTED FOR LNAPL THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL

6041 — CORRECTED WATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL) 2 FOOT CONTOUR INTERVAL

DIRECTION OF APPARENT GROUNDWATER FLOW

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

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET
0 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-21	SAH	SAH	SV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 22, 2021

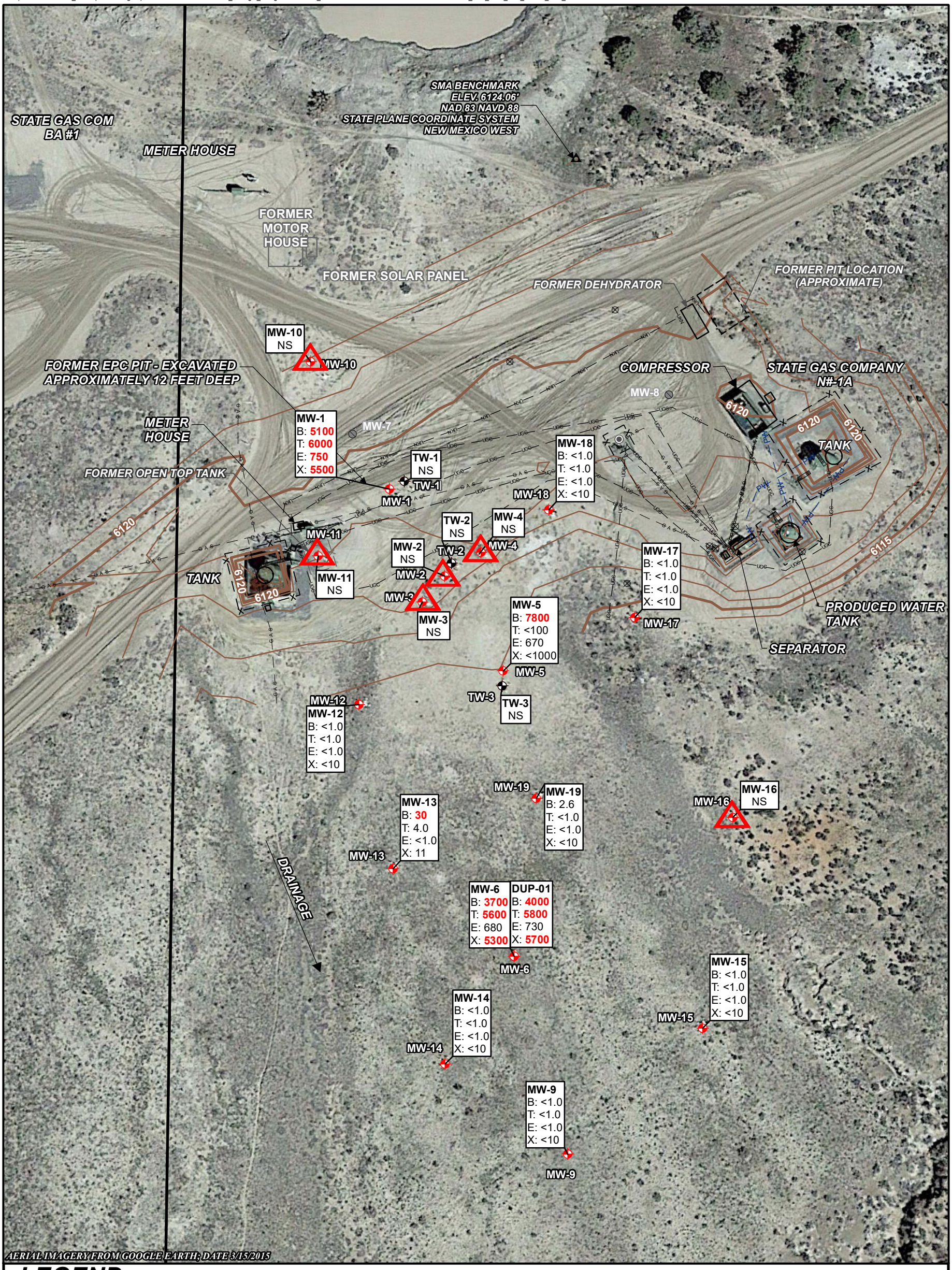
PROJECT:

STATE GAS COM N#1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\STATE GAS COM N#1\2021 MAPS\State_Gas_Com_N#1_GARM_2SA_2021.mxd



LEGEND:

- 6120 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- —X— FENCE
- G A S NATURAL GAS LINE
- PW PRODUCED WATER LINE
- UKN UNKNOWN LINE
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- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- ⊠ RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

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
<1.0 = 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 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-21	SAH	SAH	SV

TITLE:
GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 14, 2021

PROJECT:
STATE GAS COM N#1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **5**

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\STATE GAS COM N#1\2021 MAPS\State_Gas_Com_N#1_GECM_2SA_2021.mxd

STATE GAS COM BA #1

METER HOUSE

SMA BENCHMARK
ELEV. 6124.06'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

FORMER MOTOR HOUSE

FORMER SOLAR PANEL

FORMER DEHYDRATOR

FORMER PIT LOCATION (APPROXIMATE)

MW-10
6051.77

FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP

COMPRESSOR

STATE GAS COMPANY N#-1A

MW-08

METER HOUSE

MW-07

TANK

FORMER OPEN TOP TANK

MW-1
6048.29

TW-1

MW-18
6043.67

MW-11
6046.38

MW-2
6043.63

TW-2

MW-4
6043.81

MW-3
6042.85

PRODUCED WATER TANK

MW-17
6038.05*

SEPARATOR

MW-5
6041.67

TW-3

MW-12
6040.96*

MW-19
6040.92

MW-13
6037.77*

MW-16
6040.12

DRAINAGE

MW-6
6039.95

MW-15
6039.49

MW-14
6039.81

MW-9
6039.03

6120 6115 6051 6049 6047 6045 6043 6041

AERIAL IMAGERY FROM GOOGLE EARTH; DATE 4/6/2019

LEGEND:

- 6120 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- —X— FENCE
- G A S NATURAL GAS LINE
- PW PRODUCED WATER LINE
- UKN UNKNOWN LINE
- UGC UNDERGROUND CABLE
- STATE LAND OFFICE WATER EASEMENT BOUNDARY
- ABANDONED MONITORING WELL
- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

NOTES:

- 6039.73 — GROUNDWATER ELEVATION (CORRECTED FOR LNAPL THICKNESS WHEN PRESENT) FEET ABOVE MEAN SEA LEVEL
- 6041 — CORRECTED WATER ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL) 2 FOOT CONTOUR INTERVAL
- DIRECTION OF APPARENT GROUNDWATER FLOW
- * GROUNDWATER ELEVATION APPEARS ANOMOLOUS AND WAS NOT USED TO PREPARE COUNTORING GROUNDWATER ELEVATION.

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET
0 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-21	SAH	SAH	SV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 14, 2021

PROJECT:

STATE GAS COM N#1
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – ACCUVAC'S REPORT OF TESTING ACTIVITIES

APPENDIX D - GROUNDWATER SAMPLING ANALYTICAL REPORTS

APPENDIX A

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

Hi Cory -

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

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

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

Thank you,
Steve

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

From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, May 12, 2021 2:45:52 PM

Hi Cory -

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

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

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

Thank you,
Steve

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

From:	Varsa, Steve
To:	"Smith, Cory, EMNRD"
Cc:	Griswold, Jim, EMNRD; "Wiley, Joe"
Bcc:	Varsa, Steve
Subject:	State Gas Com N#1 (NAUTOFCS000668)- notice of upcoming activities
Date:	Monday, August 23, 2021 6:27:00 PM

Hi Cory – on behalf of El Paso CGP Company, Stantec is planning to complete soil vapor extraction (SVE) feasibility testing, and quarterly free product recovery activities, at the subject site on August 30, 2021. A work plan will additional details regarding the SVE feasibility testing activities has been submitted in the e-permitting portal.

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
Note – we have moved!
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: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Wednesday, November 03, 2021 10:14:55 AM

Hi Cory -

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

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

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

Thank you,
Steve

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

APPENDIX B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

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

NO. 806693
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 03-17-21
GENERATOR: Santec
HAULING CO. Energy Minerals and Natural Res
ORDERED BY: Steven Berrsey

DEL. TKT#.
BILL TO: Santec
DRIVER: Tyrone
(Print Full Name)
CODES:

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

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Blanco Gas Plant	1	70			70	
2		San Juan River Gas Plant						'21 MAR 17 6:28PM
3		7 locations, GCU Mesa						
4		James F. Bell, Knight #1, State Gas Com N#1 Fields A#7A, Rycisa #4-1						
5								

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

DATE 5.23.21 DEL. TKT#.

GENERATOR: El Paso CGP Company L.L.C BILL TO:

HAULING CO. Oil Conservation Division DRIVER:

ORDERED BY: (Print Full Name) CODES:

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

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1	4	Fidlis A #7A						
2		State Gas Com N #1						
3		Fogelson 4-1						
4		Lat L 40						
5		James F. Bell #1E	1	.70			'21 MAY 23 4:31 P.O. 70	

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

☒ Approved ☐ Denied ATTENDANT SIGNATURE

SAN JUAN PRINTING 2020 1973-1

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. 817612

NMOCD PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE 11-15-21

GENERATOR: El paso CGP

HAULING CO. Stantech

ORDERED BY: Joe wiley

DEL. TKT#.

BILL TO: El paso CGP

DRIVER: Sean C.
(Print Full Name)

CODES:

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

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

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

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

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

☐ Approved ☐ Denied ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 2020 1973-1

APPENDIX C

AcuVac Remediation

September 10, 2021

Mr. Stephen Varsa
Senior Hydrogeologist
Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, IA 50322

Re: State Gas Com N#1, San Juan County, NM (Site)

Dear Steve:

At your request, AcuVac Remediation (AcuVac) performed four Soil Vapor Extraction (SVE) Quick Tests at the above referenced site (Site) on August 30, 2021, as outlined below in Table A on page 2 Following is the Report and a copy of the Operating Data collected during the SVE Quick Tests. Table B (page 8) contains the summary data for each of the SVE Quick Tests. The primary contaminant was natural gas condensate also referred to as Light Non-Aqueous Phase Liquids (LNAPL).

SVE Quick Test Objectives

- Determine well vacuum and vapor flow of each well.
- Provide vapor phase total petroleum hydrocarbons (TPH) concentrations in the influent vapors.
- Provide background data on the soil vapor plume area.

SVE Quick Test Description

A Quick Test is a short SVE Test of 1.5 hours conducted from existing monitoring or observation wells. The test provides background data on the soil vapor plume area which may not totally conform to the groundwater plume. In the case of Quick Tests, outer observation wells are selected, and vacuum and hydraulic influence are recorded during each test. Each Quick Test provides well vacuum and well vapor flow data. From a soil gas sample (influent vapor), the HORIBA® Analyzer can provide TPH in ppmv and the percent of CO_2. Additional instrumentation provides O_2, and H_2S data. The depth to groundwater and depth to LNAPL are also recorded. This collective data helps assess whether the screened interval of one or more of the outer observation well is within the vacuum radius of influence of the tested extraction well.

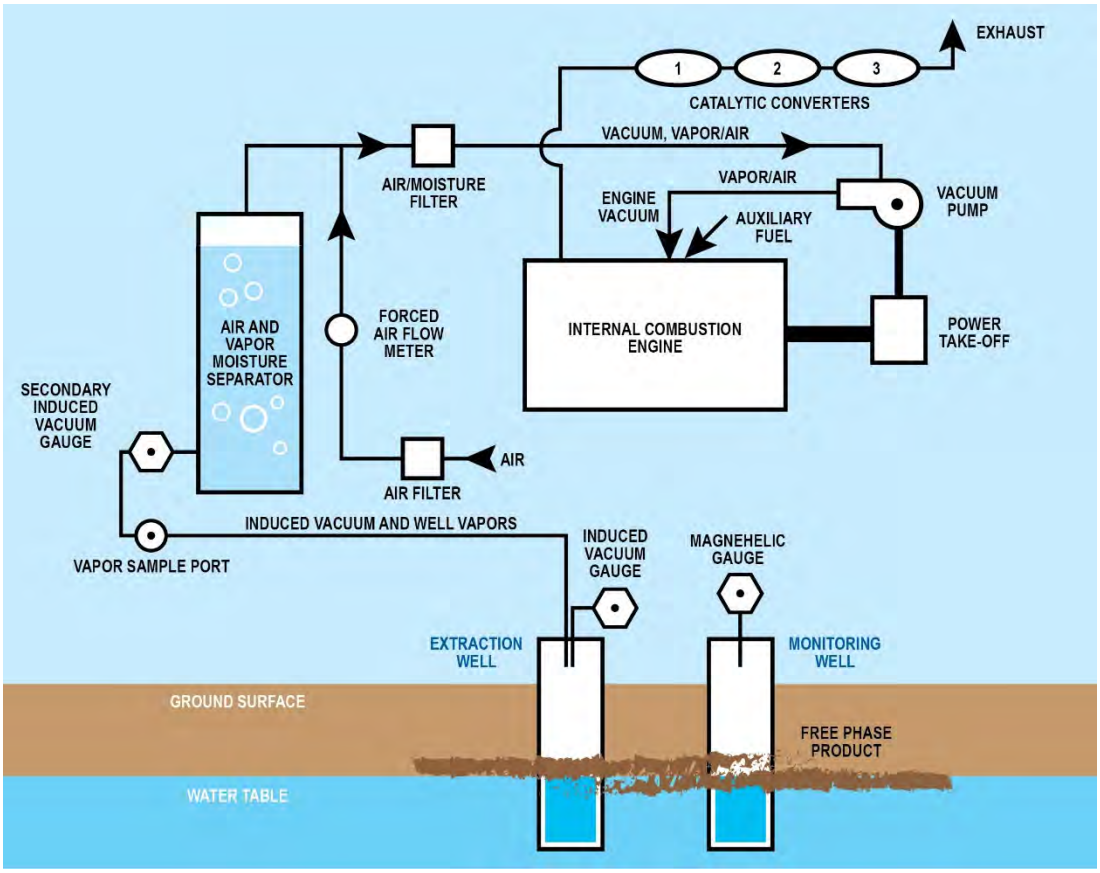
Wells Tested August 30, 2021					
Well Number	**Diameter (in)**	**Total Depth (ft BTOC)**	**Screen Interval (ft BGS)**	**Distance from Extraction Well (ft)**	**Influence Recorded**
Quick Test #1 - Extraction Well					
MW-2	2.0	81.0	65.0 – 81.0	-	Vacuum
Observation Wells					
MW-3	2.0	80.0	65.0 – 80.0	20.8	Vacuum
MW-4	2.0	81.4	65.0 – 80.0	26.2	Vacuum
MW-1	2.0	81.0	71.0 - 81.0	62.2	Vacuum
MW-11	2.0	85.0	60.0 - 85.0	77.5	Vacuum
Quick Test #2 - Extraction Well					
MW-5	2.0	80.0	65.0 – 80.0	-	Vacuum
Observation Wells					
TW-3	2.0	90.0	85.0 – 90.0	9.1	Vacuum
MW-3	2.0	81.0	65.0 – 80.0	64.7	Vacuum
MW-4	2.0	81.4	65.0 – 80.0	73.2	Vacuum
MW-12	2.0	85.0	60.0 - 85.0	89.5	Vacuum
Quick Test #3 - Extraction Well					
MW-6	4.0	80.0	65.0 - 80.0	-	Vacuum
Observation Wells					
MW-14	2.0	85.0	60.0 - 85.0	77.3	Vacuum
MW-19	2.0	85.0	60.0 - 85.0	96.2	Vacuum
MW-5	2.0	81.0	65.0 - 81.0	172.2	Vacuum
Quick Test #4 - Extraction Well					
MW-16	2.0	85.0	60.0 - 85.0	-	
Observation Wells					
MW-19	2.0	85.0	60.0 - 85.0	96.2	Vacuum
MW-6	2.0	80.0	65.0 - 80.0	156.8	Vacuum
MW-5	2.0	81.0	60.0 - 80.0	164.3	Vacuum

METHODS AND EQUIPMENT

The tests were conducted using AcuVac's I-6 System (AcuVac System) with Roots RAI-33 and RAI-22 blowers and various instrumentation. A complete listing of all equipment provided and the data element it is used to record are listed in the following table.

Equipment and Instrumentation Employed by AcuVac	
Data Element	**Measurement Equipment**
Extraction Well Induced Vacuum and Flow	
Extraction Well Vacuum	Dwyer Magnehelic Gauges
Extractions Well Vapor Flow	Dwyer Rotameter
Observation Wells	
Vacuum / Pressure Influence	Dwyer Digital Manometer
Well Connections	
Manifold to Seal the Well and Hold a Data Logger	Data Logger Manifold
Manifold that Seal the Well and Accept a Manometer	Observation Well Manifold/Plug
Well Vapor Samples	
Extraction Well Non-Diluted Vapor Samples	V-1 Vacuum Box
Extraction Well TPH Vapor Concentrations	HORIBA Analyzer
Extraction Well Vapor Oxygen, Carbon Dioxide Content	RKI GX 2012 O_2 Gas Meter
NAPL Thickness (if present)	
Depth to NAPL and Depth to Groundwater	Solinst Interface Probes Model 122
Groundwater Depression / Upwelling	
Liquid Column in Extraction and Observation Wells	In-Situ Level Troll 700 Data Logger (Pressure Transducer)
Equalize Well Vacuum/Pressure	In-Situ Vented Cable with Chamber
Capture Readings from Data Logger Trolls	In-Situ Rugged Reader Data Logger Interface
Atmospheric Conditions	
Relative and Absolute Barometric Pressure	Testo Model 511

THE ACUVAC SYSTEM



The vacuum extraction portion of the AcuVac System consists of a vacuum pump driven by an internal combustion (IC) engine. The vacuum pump is connected to the extraction well, and vacuum is applied in a controlled manner. The applied vacuum extracts volatile contaminants from the soil vadose zone and enables volatilization into gas phase from the groundwater. These extracted vapors then flow through the moisture knockout tank to the vacuum pump and the IC engine where the vapors are burned as part of the normal combustion process. Propane is used as auxiliary fuel to help power the engine if the well vapors do not provide the required BTU.

The IC engine load can be dynamically modified as required to achieve and maintain high induced vacuums and/or high well vapor flows to maximize the vacuum SVE Radius of Influence for Pilot Tests. The lower part of the IC engine is encased with a liquid collection pan designed to catch any oil drips or liquid leaks if it should occur.

Emissions from the engine are passed through three catalytic converters to ensure maximum destruction of removed hydrocarbon vapors. The engine's fuel-to-air ratio can be adjusted to maintain efficient combustion. Because the engine is the power source for all IC engine-driven equipment, all systems stop when the engine stops thus eliminating any uncontrolled release of hydrocarbons. As the AcuVac System is held entirely under vacuum, any leaks in the seals or connections are leaked into the system and not emitted into the atmosphere. The engine is automatically shut down by vacuum loss, low oil pressure, over speed or overheating.

SVE QUICK TEST PROCEDURES

- Gauge the extraction well for depth to groundwater and record static data.
- Install the SVE manifold which supports the data logger and the vacuum hose.
- Connect the AcuVac System to the extraction well and then apply vacuum.
- Record the well vacuum and well vapor flow and all system data (including fuel flow of propane), ambient temperature, and barometric pressure.
- Collect non-diluted influent vapor (well gas) samples to provide on-site analytical data consisting of TPH ppmv, VOCs ppm. CO_2 and O_2% every 15 minutes during the Quick Test. The vapor samples are processed with the HORIBA Analyzer, a PID and an RKI GX 2012.
- Provide variable rates of induced well vacuum and well vapor flow over the test period.

DISCUSSION OF TEST RESULTS

Test #1 – Was performed on August 30, 2021, on well MW-2 with a duration of 1.5 hours.

The measured total depth of well MW-2 was 81.0 ft below ground surface (BGS). The depth to groundwater was measured at 77.03 ft below top of casing (BTOC), and the top of well screen was 65.0 ft BGS. The data logger position was derived from the depth to ground water and the static data logger reading. The static data logger reading is recorded at the start time of the test.

The test started at 0700 hours with initial well vacuum of 15 InH_2O, resulting in a well vapor flow of 11.32 scfm. A well vapor sample, taken approximately 15 minutes after the start of the test, was processed with the HORIBA Analyzer which recorded TPH vapor concentrations of 24,950 ppmv. O_2 and CO_2 were 7.5% and 7.59%, respectively. Outer wells MW-3 (20.8 ft) and well MW-4 (26.2ft) recorded vacuum influence from the extraction well of 0.61% and 0.72%, respectively.

During the remainder of the test, the applied extraction well vacuum was increased to 50 InH_2O resulting in well vapor flows ranging from 11.27 to 21.30 scfm. Groundwater upwelling started at test hour 0.5 at 0.16 ft above the static water level and remained mostly steady with a final upwelling of 0.07 ft above static.

TPH vapor concentrations readings were mostly steady with a final reading of 23,740 ppmv. O_2 levels varied throughout the remainder of the event ranging from 8.5% to 9.2%. CO_2 concentration varied from 6.84% to 7.26%.

The recorded vacuum influence from the extraction well remained mostly steady during the test. The final readings for well MW-3 (20.8 ft) and well MW-4 (26.2ft) were 0.61% and 0.72%, respectively.

Table #1 on page 9 contains the detailed data for this test. Graphical representations of the test data are located on pages 10 and 11. Upon completion of the test, no measurable groundwater was observed to have been removed or recovered.

Test #2 – Was performed on August 30, 2021, on well MW-5 with a duration of 1.5 hours.
The measured total depth of well MW-5 was 80.0 ft BGS. The depth to groundwater was measured at 76.0 ft BTOC, and the top of well screen was 65.00 ft BGS. The data logger position was derived from the depth to ground water and the static data logger reading. The static data logger reading is recorded at the start time of the test.

The test started at 0845 hours with initial well vacuum of 20 InH_2O, resulting in a well vapor flow of 3.43 scfm. A well vapor sample, taken approximately 15 minutes after the start of the test, was processed with the HORIBA Analyzer which recorded TPH vapor concentrations of 2,460 ppmv. O_2 and CO_2 were 16.0% and 3.22%, respectively. None of the outer wells recorded any vacuum influence from the extraction well.

During the remainder of the test, the applied extraction well vacuum was increased to 140 InH_2O resulting in well vapor flows ranging from 4.06 to 7.33 scfm. A groundwater depression was recorded at test hour 0.25 and was most likely recorded a result of the applied vacuum fragmenting the water column in the well and reducing the pressure on the data logger (pressure transducer). Groundwater upwelling started at test hour 0.50 and continued on an increasing trend for the remainder of the test with a final upwelling of 1.30 ft above the static water level.

TPH vapor concentrations remained on an increasing trend during the test with a final reading of 5,110 ppmv. O_2 levels were on a decreasing trend throughout the remainder of the event and recorded a final value of 12.4%. CO_2 concentrations were on an increasing trend for the remainder of the test with a final reading of 5.48%.

The outer wells did not record any vacuum influence from the extraction well. Table #2 on page 12 contains the detailed data for this test. Graphical representations of the test data are located on page 13. Upon completion of the test, no measurable groundwater was observed to have been removed or recovered.

Test #3 – Was performed on August 30, 2021, on well MW-6 with a duration of 1.5 hours.
The measured total depth of welt MW-6 was 80.0 ft BGS. The depth to groundwater was measured at 73.64 ft BTOC, and the top of well screen was 65.0 ft BGS. The data logger position was derived from the depth to ground water and the static data logger reading. The static data logger reading is recorded at the start time of the test.

The test started at 1030 hours with initial well vacuum of 70 InH_2O, resulting in a well vapor flow of 3.89 scfm. A well vapor sample, taken approximately 15 minutes after the start of the test, was processed with the HORIBA Analyzer which recorded TPH vapor concentrations of 584 ppmv. O_2 and CO_2 were 18.9% and 1.52%, respectively. None of the outer wells recorded any vacuum influence from the extraction well.

During the remainder of the test, the applied extraction well vacuum was increased to 175 InH_2O resulting in well vapor flows ranging from 4.80 to 8.36 scfm. A groundwater depression from test hour 0.25 to 0.75 was most likely recorded a result of the applied vacuum fragmenting the water column in the well and reducing the pressure on the data logger (pressure transducer). At test hour 1.0 groundwater upwelling started and remained mostly steady during the remainder of the test with a final reading of 0.72 ft above the static water level.

TPH vapor concentrations varied from 456 to 1,126 ppmv with a final reading of 1,126 ppmv. O_2 levels varied throughout the remainder of the event ranging from 18.6% to 19.0%. CO_2 concentration varied from 1.44% to 1.82%.

The outer wells did not record any vacuum influence from the extraction well. Table #3 on page 14 contains the detailed data for this test. Graphical representations of the test data are located on page 15. Upon completion of the test, no measurable groundwater was observed to have been removed or recovered.

Test #4 – Was performed on August 30, 2021, on well MW-16 with a duration of 1.5 hours.
The measured total depth of well MW-16 was 85.0 ft BGS. The depth to groundwater was measured at 47.33 ft BTOC, and the top of well screen was 60.0 ft BGS. The data logger position was derived from the depth to ground water and the static data logger reading. The static data logger reading is recorded at the start time of the test.

The test started at 1200 hours with initial well vacuum of 150 InH_2O, resulting in a well vapor flow of 2.56 scfm. A well vapor sample, taken approximately 15 minutes after the start of the test, was processed with the HORIBA Analyzer which recorded TPH vapor concentrations of 4,880 ppmv. O_2 and CO_2 were 16.3% and 3.92%, respectively.

During the remainder of the test, the applied extraction well vacuum was increased to 240 InH_2O resulting in well vapor flows ranging from 2.92 to 4.48 scfm. A groundwater depression was most likely recorded a result of the applied vacuum fragmenting the water column in the well and reducing the pressure on the data logger (pressure transducer).

TPH vapor concentrations varied from 4,330 to 5,830 ppmv with a final reading of 5,830 ppmv. O_2 levels varied throughout the remainder of the event ranging from 16.1% to 16.7%. CO_2 concentration varied from 3.34% to 3.92%.

The outer wells did not record any vacuum influence from the extraction well. Table #4 on page 16 contains the detailed data for this test. Graphical representations of the test data are located on page 17. Upon completion of the test, no measurable groundwater was observed to have been removed or recovered.

INFORMATION INCLUDED WITH REPORT

- Table B - Summary Data for all wells
- Table #1 - Operating Data Quick Test #1 - MW-2
  - Test #1 – Observation Well Graphical Data
  - Test #1 – Extraction Well Graphical Data
- Table #2 - Operating Data Quick Test #2 - MW-5
  - Test #2 - Extraction Well Graphical Data
- Table #3 - Operating Data Quick Test #3 - MW-6
  - Test #3 - Extraction Well Graphical Data
- Table #4 - Operating Data Quick Test #4 - MW-16
  - Test #4 - Extraction Well Graphical Data

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

Sincerely,
ACUVAC REMEDIATION, LLC

Paul D. Faucher
President

TABLE B SVE QUICK TESTS SUMMARY DATA					
SVE Quick Test Number		**#1**	**#2**	**#3**	**#4**
Well Number		**MW-2**	**MW-5**	**MW-6**	**MW-16**
Test Duration	**hours**	**1.50**	**1.50**	**1.50**	**1.50**
Well Data					
TD	ft BTOC	81.00	80.00	80.00	85.00
Well Size	inches	2.0	2.0	2.0	2.0
Screen Interval	ft BTOC	65.0 - 81.0	65.0 - 80.0	65.0 - 80.0	60.0 - 85.0
Site Elevation	ft	6,120	6,120	6,120	6,120
Groundwater Data					
Start of Test					
Depth to LNAPL	ft BTOC	77.02	-	-	73.42
Depth to Groundwater	ft BTOC	77.03	76.00	73.64	73.49
LNAPL Thickness	ft	0.01	-	-	0.07
Hydro Equivalent	ft BTOC	77.02	76.00	73.64	73.44
End of Test					
Depth to LNAPL	ft BTOC	-	-	-	-
Depth to Groundwater	ft BTOC	77.04	75.45	74.02	70.36
LNAPL Thickness	ft	-	-	-	-
Hydro Equivalent	ft BTOC	77.04	75.45	74.02	70.36
Well Vacuum and Well Vapor Flow					
Maximum Extraction Well Vacuum	In H_2O	50.00	140.00	175.00	240.00
Average Extraction Well Vacuum	In H_2O	34.71	93.57	135.71	210.00
Minimum Extraction Well Vacuum	In H_2O	15.00	20.00	70.00	150.00
Maxium Extraction Well Vapor Flow	scfm	21.30	7.32	8.36	4.49
Average Extraction Well Vapor Flow	scfm	17.09	5.71	6.22	3.74
Minimum Extraction Well Vapor Flow	scfm	11.27	3.43	3.89	2.56
Vapor Data					
Maximum TPH	ppmv	24,950	5,110	1,126	5,830
Average TPH	ppmv	24,142	4,232	668	5,018
Minimum TPH	ppmv	23,520	2,460	456	4,330
Average CO_2	%	7.12	4.90	1.57	3.77
Average O_2	%	8.6	13.3	18.9	16.4
Average H_2S	ppm	100.0	0.0	0.0	0.0
Groundwater Upwelling					
Data Logger Position	ft BTOC	80.50	79.50	81.59	84.60
Average Water Column Above Data Logger	ft BTOC	6.16	6.53	8.18	1.12
Average Groundwater Upwelling	ft	0.10	0.69	0.26	(12.67)
Available Well Screen					
Depth to Groundwater	ft BTOC	76.94	75.41	73.41	86.16
Top of Well Screen	ft BTOC	65.00	65.00	65.00	60.00
Available/(Occluded) Well Screen	ft	11.94	10.41	8.41	26.16

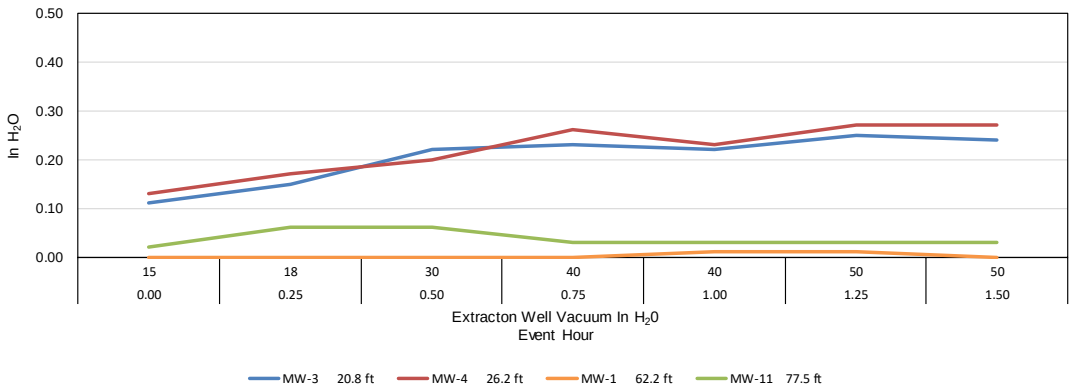
NM - Not Measured

TABLE #1 SVE QUICK TEST #1 EXTRACTION WELL MW-2										
TIME		**7:00**	**7:15**	**7:30**	**7:45**	**8:00**	**8:15**	**8:30**		
TEST HOUR		**0.00**	**0.25**	**0.50**	**0.75**	**1.00**	**1.25**	**1.50**	**AVG**	**MAX**
EXTRACTION WELL MW-2										
Extraction Well Vacuum	In H_2O	15	18	30	40	40	50	50	**34.71**	**50.00**
Well Flow	scfm	11.32	11.27	16.12	19.18	19.18	21.30	21.30	**17.09**	**21.30**
VAPOR CONCENTRATIONS										
Total Petroleum Hydrocarbons	ppmv	NM	24,950	24,630	23,550	24,460	23,520	23,740	**24,142**	**24,950**
CO_2	%	NM	7.59	7.26	6.84	7.18	6.92	6.92	**7.12**	**7.59**
O_2	%	NM	7.5	8.5	9.2	8.5	8.9	9.0	**8.6**	**9.2**
H_2S	ppm	NM	100	100	100	100	100	100	**100**	**100**
ATMOSPHERIC CONDITIONS										
Ambient Temperature	°F	61	61	61	63	63	64	64	**62.4**	**64.0**
Influent Temperature	°F	64	64	66	66	66	66	66	**65.4**	**66.0**
Barometric Pressure	In Hg	30.26	30.26	30.27	30.27	30.26	30.26	30.26	**30.26**	**30.27**
Absolute Pressure	In Hg	24.14	24.14	24.14	24.14	24.14	24.14	24.14	**24.14**	**24.14**
EXTRACTION WELL GROUNDWATER UPWELLING										
Data Logger Position	ft	80.50	80.50	80.50	80.50	80.50	80.50	80.50	**80.50**	**80.50**
Water Column Above Data Logger	ft	6.07	6.23	6.19	6.16	6.16	6.14	6.14	**6.16**	**6.23**
Groundwater Upwelling \ (Depression)	ft	-	0.16	0.12	0.09	0.09	0.07	0.07	**0.10**	**0.16**
AVAILABLE WELLSCREEN										
Depth to Groundwater- BTOC (1)	ft	77.03	76.87	76.91	76.94	76.94	76.96	76.96	**76.94**	**77.03**
Top of Well Screen (1)	ft	65.00	65.00	65.00	65.00	65.00	65.00	65.00	**65.00**	**65.00**
Available Well Screen	ft	12.03	11.87	11.91	11.94	11.94	11.96	11.96	**11.94**	**65.00**
OBSERVED OW VACUUM \ (PRESSURE)										
MW-3 20.8 ft	In H_2O	0.11	0.15	0.22	0.23	0.22	0.25	0.24	**0.20**	**0.25**
MW-4 26.2 ft	In H_2O	0.13	0.17	0.20	0.26	0.23	0.27	0.27	**0.22**	**0.27**
MW-1 62.2 ft	In H_2O	0.00	0.00	0.00	0.00	0.01	0.01	0.00	**0.00**	**0.01**
MW-11 77.5 ft	In H_2O	0.02	0.06	0.06	0.03	0.03	0.03	0.03	**0.04**	**0.06**
OBSERVED OW VACUUM \ (PRESSURE)										
MW-3 20.8 ft	%	0.61	0.83	0.73	0.58	0.55	0.50	0.48	**0.61**	**0.83**
MW-4 26.2 ft	%	0.72	0.94	0.67	0.65	0.58	0.54	0.54	**0.66**	**0.94**
MW-1 62.2 ft	%	0.00	0.00	0.00	0.00	0.03	0.02	0.00	**0.01**	**0.03**
MW-11 77.5 ft	%	0.02	0.06	0.20	0.08	0.08	0.06	0.06	**0.08**	**0.20**

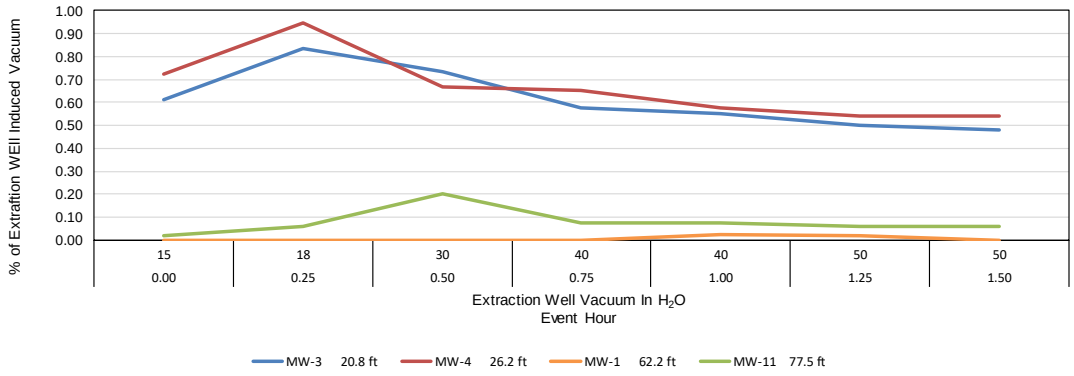
NM- Not Measured

Summary of SVE Quick Test-#1
Observation Well Data
Extraction Well MW-2

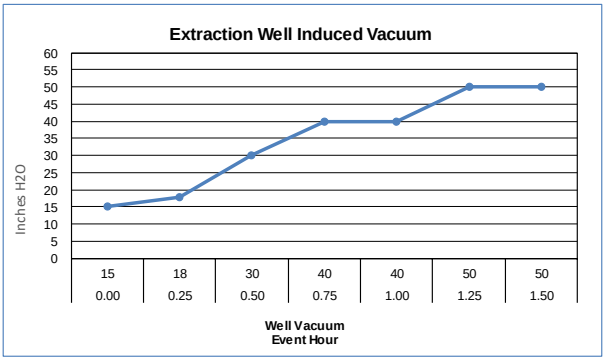
Graph 1A
Observation Well Induced Vacuum Influence

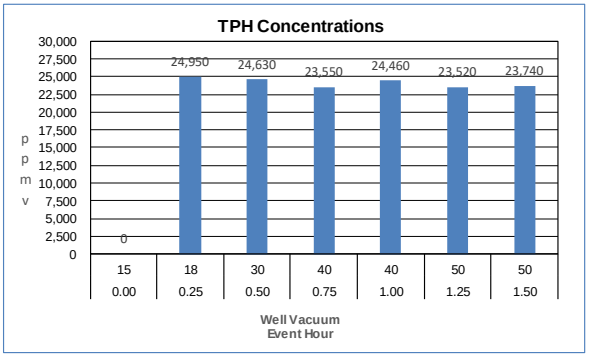


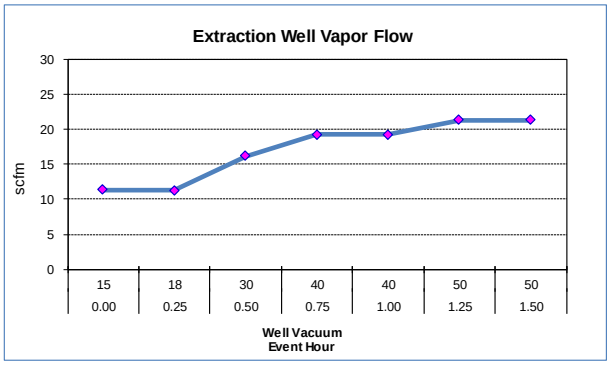
Graph 1B
Obserbvation Well Induced Vacuum Influence - %

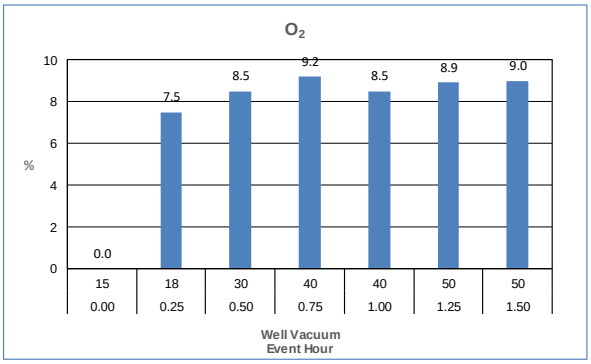


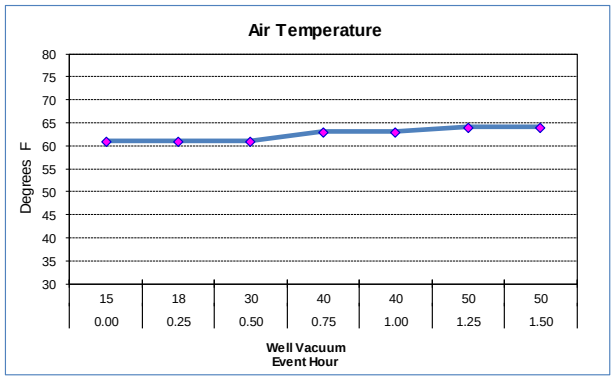
Summary of SVE Quick Test-#1
Extraction Well Data
Extraction Well MW-2

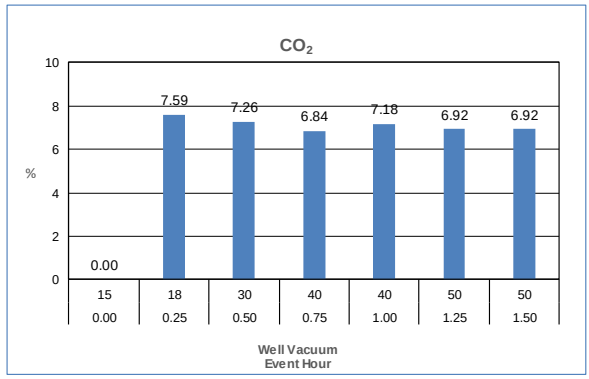












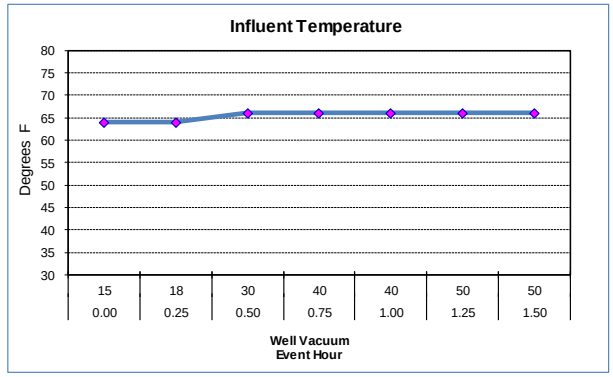
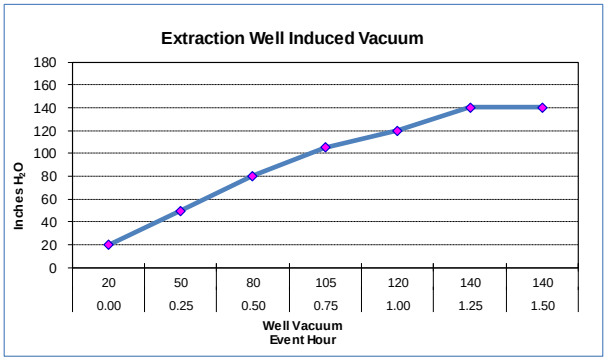
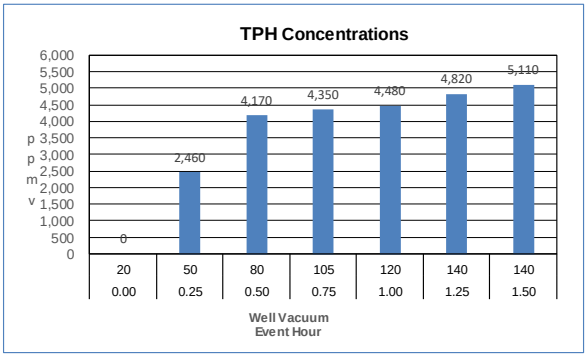


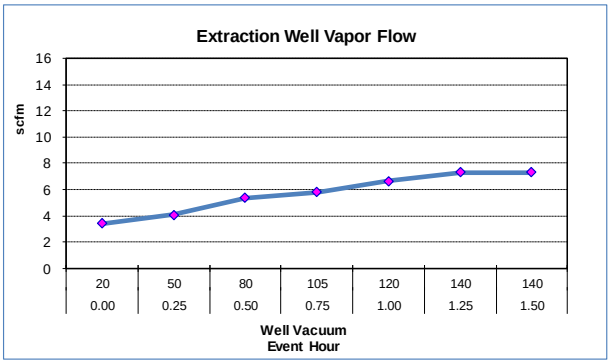
TABLE #2 SVE QUICK TEST #2 EXTRACTION WELL MW-5										
Time		**8:45**	**9:00**	**9:15**	**9:30**	**9:45**	**10:00**	**10:15**		
Test Hour		**0.00**	**0.25**	**0.50**	**0.75**	**1.00**	**1.25**	**1.50**	**AVG**	**MAX**
EXTRACTION WELL MW-5										
Extraction Well Vacuum	In H_2O	20	50	80	105	120	140	140	**93.57**	**140.00**
Well Flow SCFM	scfm	3.43	4.06	5.36	5.81	6.66	7.32	7.32	**5.71**	**7.32**
VAPOR CONCENTRATIONS										
Total Petroleum Hydrocarbons	ppmv	NM	2,460	4,170	4,350	4,480	4,820	5,110	**4,232**	**5,110**
CO_2	%	NM	3.22	5.04	5.14	5.12	5.38	5.48	**4.90**	**5.48**
O_2	%	NM	16.0	13.0	12.9	12.8	12.4	12.4	**13.3**	**16.0**
H_2S	ppm	NM	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
ATMOSPHERIC CONDITIONS										
Ambient Temperature	°F	66	68	72	72	74	75	75	**71.71**	**75.00**
Influent Temperature	°F	72	74	76	76	76	78	78	**75.71**	**78.00**
Baromteric Pressure	In Hg	30.26	30.26	30.26	30.26	30.26	30.25	30.25	**30.26**	**30.26**
Absolute Pressure	In Hg	24.14	24.14	24.14	24.14	24.13	24.13	24.13	**24.14**	**24.14**
GROUNDWATER UPWELLING										
Data Logger Position	ft	79.50	79.50	79.50	79.50	79.50	79.50	79.50	**79.50**	**79.50**
Water Column Above Data Logger	ft	5.94	5.80	6.21	6.47	6.89	7.16	7.24	**6.53**	**7.24**
Groundw ater Upw elling \ (Depression)	ft	-	(0.14)	0.27	0.53	0.95	1.22	1.30	**0.69**	**1.30**
AVAILABLE WELL SCREEN										
Depth to Groundw ater- BTOC	ft	76.00	76.14	75.73	75.47	75.05	74.78	74.70	**75.41**	**76.14**
Top of Well Screen	ft	65.00	65.00	65.00	65.00	65.00	65.00	65.00	**65.00**	**65.00**
Available Well Screen	ft	11.00	11.14	10.73	10.47	10.05	9.78	9.70	**10.41**	**11.14**
OBSERVED OW VACUUM \ (PRESSURE)										
TW-3 9.1 ft	In H_2O	(0.04)	0.01	0.00	0.00	0.00	0.00	0.00	**(0.00)**	**0.01**
MW-3 64.7 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-4 73.2 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-12 89.5 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
OBSERVED OW VACUUM \ (PRESSURE) INFLUENCE PERCENTAGE										
TW-3 9.1 ft	%	(0.20)	0.02	0.00	0.00	0.00	0.00	0.00	**(0.03)**	**0.02**
MW-3 64.7 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-4 73.2 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-12 89.5 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**

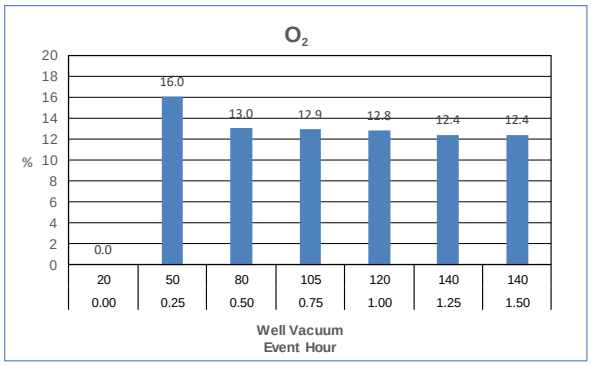
NM - Not Measured

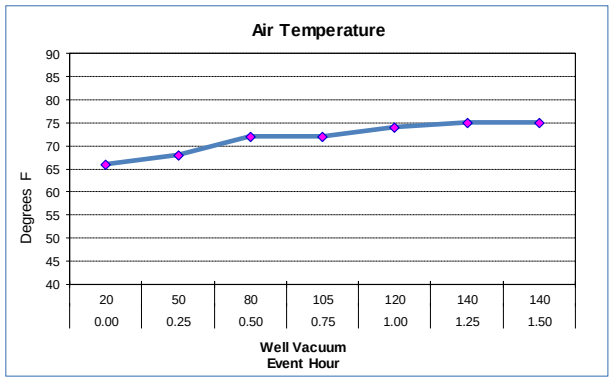
Summary of SVE Step Test #2
Extraction Well Data
Extraction Well MW-5

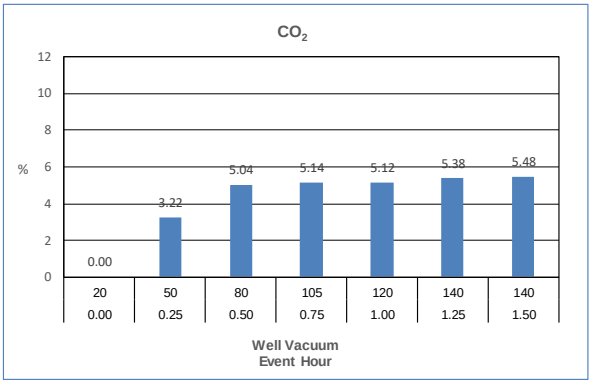












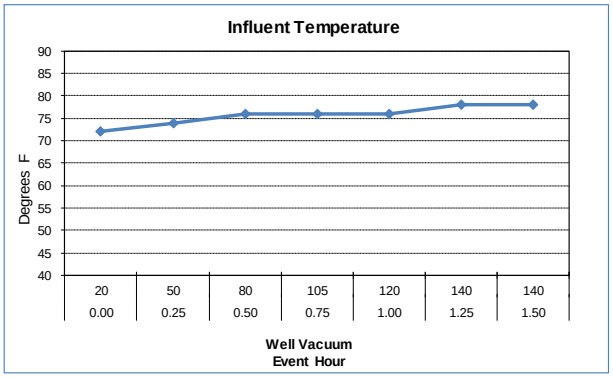
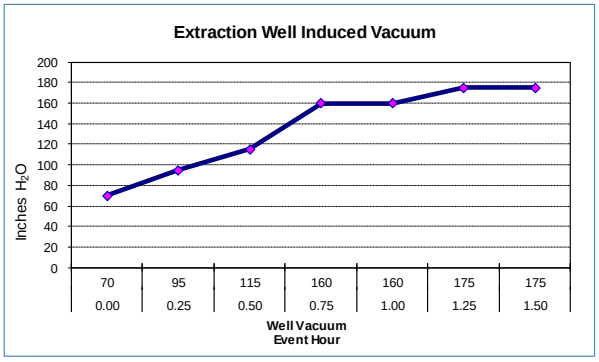


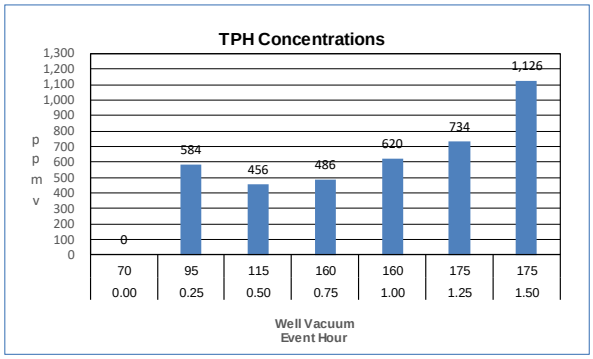
TABLE #3
SVE QUICK TEST #3
EXTRACTION WELL MW-6

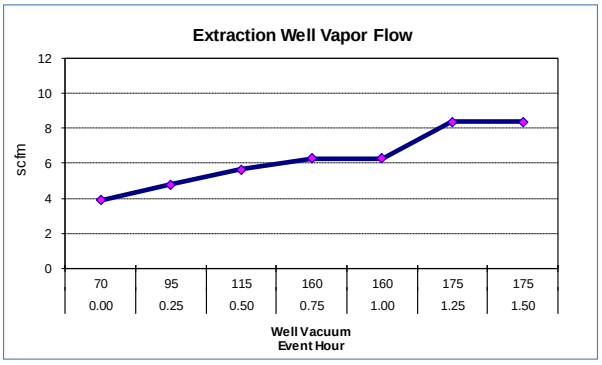
TIME		10:30	10:45	11:45	11:15	11:30	11:45	12:00		
TEST HOUR		**0.00**	**0.25**	**0.50**	**0.75**	**1.00**	**1.25**	**1.50**	**AVG**	**MAX**
EXTRACTION WELL MW-6										
Extraction Well Vacuum	In H_2O	70.00	95.00	115.00	160.00	160.00	175.00	175.00	**135.71**	**175.00**
Well Flow	scfm	3.89	4.80	5.65	6.26	6.26	8.36	8.36	**6.22**	**8.36**
VAPOR CONCENTRATIONS										
Total Petroleum Hydrocarbons	ppmv	NM	584	456	486	620	734	1,126	**668**	**1,126**
CO_2	%	NM	1.52	1.44	1.56	1.54	1.52	1.82	**1.57**	**1.82**
O_2	%	NM	18.9	19.0	18.9	18.8	19.0	18.6	**18.9**	**19.0**
H_2S	ppm	NM	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
ATMOSPHERIC CONDITIONS										
Ambient Temperature	°F	77	77	78	79	81	81	82	**79**	**82**
Influent Temperature	°F	82	82	82	82	82	82	82	**82**	**82**
Baromteric Pressure	In Hg	30.26	30.25	30.25	30.24	30.24	30.23	30.22	**30.24**	**30.24**
Absolute Pressure	In Hg	24.13	24.13	24.13	24.12	24.12	24.11	24.11	**24.12**	**24.12**
GROUNDWATER UPWELLING										
Data Logger Position	BTOC ft	81.59	81.59	81.59	81.59	81.59	81.59	81.59	**81.59**	**81.59**
Water Column Above Data Logger	ft	7.95	7.76	7.79	7.62	8.69	8.75	8.67	**8.18**	**8.75**
Groundw ater Upw elling	ft	0.00	(0.19)	(0.16)	(0.33)	0.74	0.80	0.72	**0.26**	**0.80**
AVAILABLE WELL SCREEN										
Depth to Groundw ater	BTOC ft	73.64	73.83	73.80	73.97	72.90	72.84	72.92	**73.41**	**73.97**
Top of Well Screen	ft	65.00	65.00	65.00	65.00	65.00	65.00	65.00	**65.00**	**65.00**
Available Well Screen	ft	8.64	8.83	8.80	8.97	7.90	7.84	7.92	8.41	8.97
OBSERVED OW VACUUM \ (PRESSURE)										
MW-14 77.3 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-19 96.2 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-5 172.2 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
OBSERVED OW VACUUM \ (PRESSURE)										
MW-14 77.3 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-19 96.2 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-5 172.2 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**

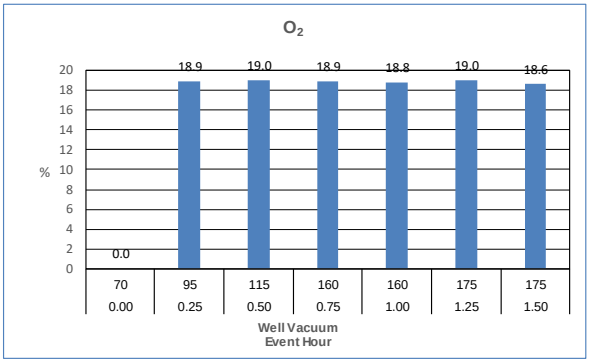
NM - Not Measured

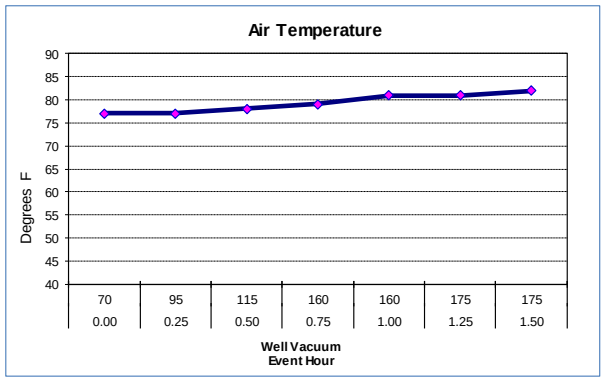
Summary of SVE Step Test #3
Extraction Well Data
Extraction Well MW-6

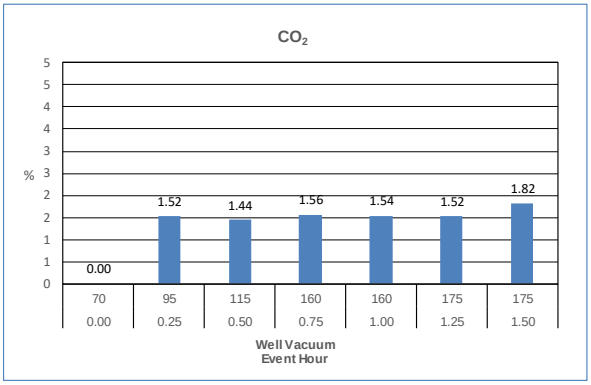












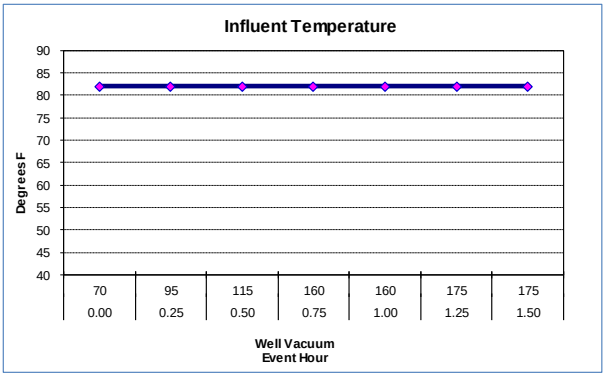
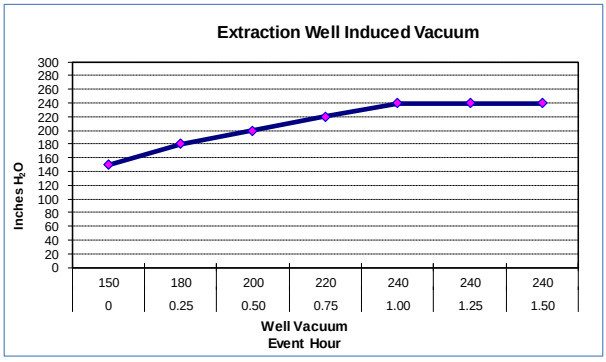
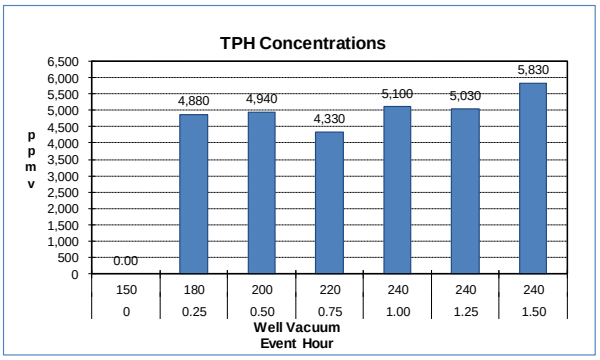


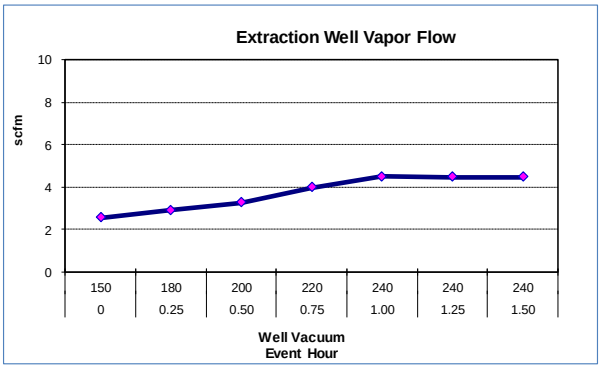
TABLE #4 SVE QUICK TEST #4 EXTRACTION WELL MW-16										
TIME		**12:00**	**12:15**	**12:45**	**13:00**	**13:15**	**13:30**	**13:45**		
TEST HOUR		**0**	**0.25**	**0.50**	**0.75**	**1.00**	**1.25**	**1.50**	**AVG**	**MAX**
EXTRACTION WELL MW-16										
Extraction Well Vacuum	In H_2O	150.00	180.00	200.00	220.00	240.00	240.00	240.00	**210.00**	**240.00**
Well Flow	scfm	2.56	2.92	3.26	3.98	4.49	4.48	4.48	**3.74**	**4.49**
VAPOR CONCENTRATIONS										
Total Petroleum Hydrocarbons	%	NM	4,880	4,940	4,330	5,100	5,030	5,830	**5,018**	**5,830**
CO_2	%	NM	3.92	3.64	3.34	3.90	3.92	3.92	**3.77**	**3.92**
O_2	%	NM	16.3	16.4	16.3	16.7	16.5	16.1	**16.4**	**16.7**
H_2S	ppm	NM	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**	**0.0**
ATMOSPHERIC CONDITIONS										
Ambient Temperature	ft	82	82	82	84	84	86	87	**83.9**	**87.0**
Influent Temperature	ft	88	88	88	88	88	90	90	**88.6**	**90.0**
Baromteric Pressure	ft	30.21	30.21	30.20	30.20	0.19	30.18	30.17	**25.91**	**25.91**
Absolute Pressure	ft	24.10	24.09	24.09	24.08	24.08	24.07	24.07	**24.08**	**24.08**
GROUNDWATER UPWELLING										
Data Logger Position	ft	84.60	84.60	84.60	84.60	84.60	84.60	84.60	**84.60**	**84.60**
Water Column Above Data Logger	ft	13.79	(0.24)	0.27	(0.91)	(1.36)	(1.90)	(1.79)	**1.12**	**13.79**
Groundw ater Upw elling / Depressio	ft	0.00	(14.03)	(13.52)	(14.70)	(15.15)	(15.69)	(15.58)	**(12.67)**	**0.00**
AVAILABLE WELL SCREEN										
Depth to Groundw ater- BTOC	ft	73.49	87.52	87.01	88.19	88.64	89.18	89.07	**86.16**	**89.18**
Top of Well Screen	ft	60.00	60.00	60.00	60.00	60.00	60.00	60.00	**60.00**	**60.00**
Available Well Screen	ft	13.49	27.52	27.01	28.19	28.64	29.18	29.07	**26.16**	**29.18**
OBSERVED OW VACUUM\(PRESSURE)										
MW-19 96.2 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-6 156.8 ft	In H_2O	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	**0.01**
MW-5 164.3 ft	In H_2O	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
OBSERVED OW VACUUM\(PRESSURE)										
MW-19 96.2 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**
MW-6 156.8 ft	%	0.01	0.01	0.01	0.00	0.00	0.00	0.00	**0.00**	**0.01**
MW-5 164.3 ft	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00**

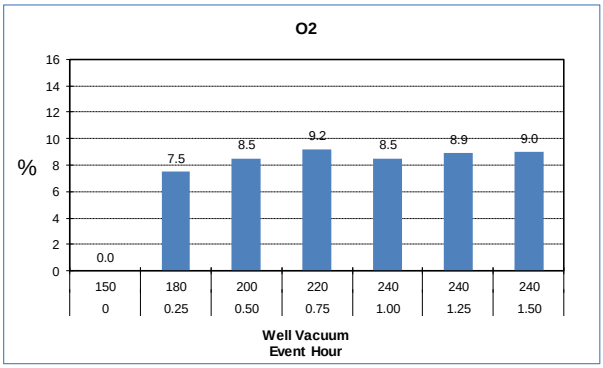
NM - Not Measured

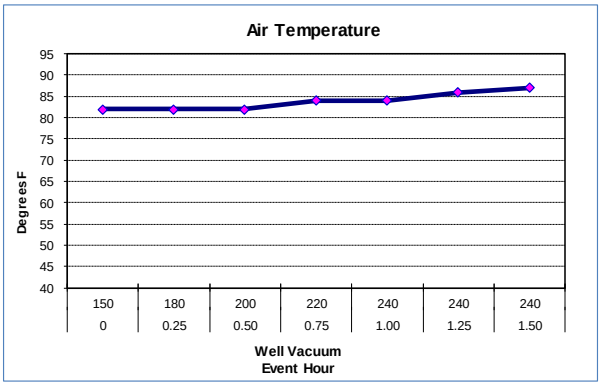
Summary of SVE Step Test #4
Extraction Well Data
Extraction Well MW-16

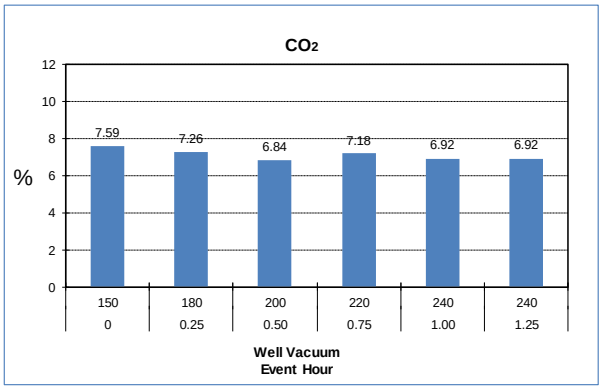


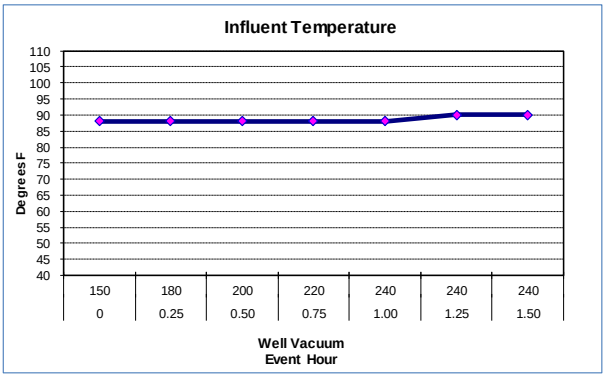












APPENDIX D

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-203823-1
Client Project/Site: State Gas Com N#1
Revision: 1

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

Attn: Steve Varsa

Authorized for release by:
6/1/2021 3:00:07 PM
Isabel Enfinger, Project Mgmt. Assistant
(850)471-6237
isabel.enfinger@Eurofinset.com

Designee for

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

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Laboratory Job ID: 400-203823-1

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Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

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

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Job ID: 400-203823-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-203823-1

Comments
No additional comments.

Receipt
The samples were received on 5/25/2021 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-203823-2), MW-1 (400-203823-3) and MW-6 (400-203823-4). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: TB-01 Lab Sample ID: 400-203823-1

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-203823-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	6600		50		ug/L	50		8260C	Total/NA
Toluene	5100		50		ug/L	50		8260C	Total/NA
Ethylbenzene	830		50		ug/L	50		8260C	Total/NA
Xylenes, Total	6200		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-1 Lab Sample ID: 400-203823-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	6700		50		ug/L	50		8260C	Total/NA
Toluene	5100		50		ug/L	50		8260C	Total/NA
Ethylbenzene	830		50		ug/L	50		8260C	Total/NA
Xylenes, Total	6200		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-6 Lab Sample ID: 400-203823-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	4400		25		ug/L	25		8260C	Total/NA
Toluene	6000		25		ug/L	25		8260C	Total/NA
Ethylbenzene	790		25		ug/L	25		8260C	Total/NA
Xylenes, Total	6400		250		ug/L	25		8260C	Total/NA

Client Sample ID: MW-9 Lab Sample ID: 400-203823-5

No Detections.

Client Sample ID: MW-13 Lab Sample ID: 400-203823-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	14		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-14 Lab Sample ID: 400-203823-7

No Detections.

Client Sample ID: MW-15 Lab Sample ID: 400-203823-8

No Detections.

Client Sample ID: MW-18 Lab Sample ID: 400-203823-9

No Detections.

Client Sample ID: MW-19 Lab Sample ID: 400-203823-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 Lab Sample ID: 400-203823-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	3.4		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-203823-1	TB-01	Water	05/22/21 13:00	05/25/21 09:35	
400-203823-2	DUP-01	Water	05/22/21 14:37	05/25/21 09:35	
400-203823-3	MW-1	Water	05/22/21 13:37	05/25/21 09:35	
400-203823-4	MW-6	Water	05/22/21 13:55	05/25/21 09:35	
400-203823-5	MW-9	Water	05/22/21 14:10	05/25/21 09:35	
400-203823-6	MW-13	Water	05/22/21 14:22	05/25/21 09:35	
400-203823-7	MW-14	Water	05/22/21 14:35	05/25/21 09:35	
400-203823-8	MW-15	Water	05/22/21 14:43	05/25/21 09:35	
400-203823-9	MW-18	Water	05/22/21 14:57	05/25/21 09:35	
400-203823-10	MW-19	Water	05/22/21 15:02	05/25/21 09:35	
400-203823-11	MW-17	Water	05/23/21 18:10	05/25/21 09:35	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: TB-01

Date Collected: 05/22/21 13:00
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/26/21 19:00	1
Toluene	<1.0		1.0		ug/L			05/26/21 19:00	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/21 19:00	1
Xylenes, Total	<10		10		ug/L			05/26/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/26/21 19:00*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*05/26/21 19:00*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/26/21 19:00*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: DUP-01
Date Collected: 05/22/21 14:37
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6600**		50		ug/L			05/27/21 03:39	50
Toluene	**5100**		50		ug/L			05/27/21 03:39	50
Ethylbenzene	**830**		50		ug/L			05/27/21 03:39	50
Xylenes, Total	**6200**		500		ug/L			05/27/21 03:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/27/21 03:39*	*50*
Dibromofluoromethane	*104*		*81 - 121*		*05/27/21 03:39*	*50*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/21 03:39*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-1

Date Collected: 05/22/21 13:37
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6700**		50		ug/L			05/27/21 04:05	50
Toluene	**5100**		50		ug/L			05/27/21 04:05	50
Ethylbenzene	**830**		50		ug/L			05/27/21 04:05	50
Xylenes, Total	**6200**		500		ug/L			05/27/21 04:05	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/27/21 04:05*	*50*
Dibromofluoromethane	*104*		*81 - 121*		*05/27/21 04:05*	*50*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/27/21 04:05*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-6
Date Collected: 05/22/21 13:55
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4400**		25		ug/L			05/27/21 03:13	25
Toluene	**6000**		25		ug/L			05/27/21 03:13	25
Ethylbenzene	**790**		25		ug/L			05/27/21 03:13	25
Xylenes, Total	**6400**		250		ug/L			05/27/21 03:13	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/27/21 03:13*	*25*
Dibromofluoromethane	*103*		*81 - 121*		*05/27/21 03:13*	*25*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/27/21 03:13*	*25*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-9

Date Collected: 05/22/21 14:10
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/21 00:37	1
Toluene	<1.0		1.0		ug/L			05/27/21 00:37	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/21 00:37	1
Xylenes, Total	<10		10		ug/L			05/27/21 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/27/21 00:37*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*05/27/21 00:37*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/27/21 00:37*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-13
Date Collected: 05/22/21 14:22
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-6
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**14**		1.0		ug/L			05/27/21 01:03	1
Toluene	<1.0		1.0		ug/L			05/27/21 01:03	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/21 01:03	1
Xylenes, Total	<10		10		ug/L			05/27/21 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/27/21 01:03*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*05/27/21 01:03*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/27/21 01:03*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-14

Date Collected: 05/22/21 14:35
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/21 01:30	1
Toluene	<1.0		1.0		ug/L			05/27/21 01:30	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/21 01:30	1
Xylenes, Total	<10		10		ug/L			05/27/21 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/27/21 01:30*	*1*
Dibromofluoromethane	*112*		*81 - 121*		*05/27/21 01:30*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/27/21 01:30*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-15

Date Collected: 05/22/21 14:43
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/21 01:56	1
Toluene	<1.0		1.0		ug/L			05/27/21 01:56	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/21 01:56	1
Xylenes, Total	<10		10		ug/L			05/27/21 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/27/21 01:56*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*05/27/21 01:56*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/27/21 01:56*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-18

Date Collected: 05/22/21 14:57
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/27/21 02:22	1
Toluene	<1.0		1.0		ug/L			05/27/21 02:22	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/21 02:22	1
Xylenes, Total	<10		10		ug/L			05/27/21 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/27/21 02:22*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*05/27/21 02:22*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/27/21 02:22*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-19
Date Collected: 05/22/21 15:02
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-10
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.5**		1.0		ug/L			05/27/21 02:48	1
Toluene	<1.0		1.0		ug/L			05/27/21 02:48	1
Ethylbenzene	<1.0		1.0		ug/L			05/27/21 02:48	1
Xylenes, Total	<10		10		ug/L			05/27/21 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/27/21 02:48*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*05/27/21 02:48*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/27/21 02:48*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-17

Date Collected: 05/23/21 18:10
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-11

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.4**		1.0		ug/L			05/28/21 09:04	1
Toluene	<1.0		1.0		ug/L			05/28/21 09:04	1
Ethylbenzene	<1.0		1.0		ug/L			05/28/21 09:04	1
Xylenes, Total	<10		10		ug/L			05/28/21 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*05/28/21 09:04*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*05/28/21 09:04*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/28/21 09:04*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

GC/MS VOA

Analysis Batch: 533406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203823-1	TB-01	Total/NA	Water	8260C	
400-203823-2	DUP-01	Total/NA	Water	8260C	
400-203823-3	MW-1	Total/NA	Water	8260C	
400-203823-4	MW-6	Total/NA	Water	8260C	
400-203823-5	MW-9	Total/NA	Water	8260C	
400-203823-6	MW-13	Total/NA	Water	8260C	
400-203823-7	MW-14	Total/NA	Water	8260C	
400-203823-8	MW-15	Total/NA	Water	8260C	
400-203823-9	MW-18	Total/NA	Water	8260C	
400-203823-10	MW-19	Total/NA	Water	8260C	
MB 400-533406/4	Method Blank	Total/NA	Water	8260C	
LCS 400-533406/1002	Lab Control Sample	Total/NA	Water	8260C	
400-203728-C-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-203728-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 533598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-203823-11	MW-17	Total/NA	Water	8260C	
MB 400-533598/4	Method Blank	Total/NA	Water	8260C	
LCS 400-533598/1002	Lab Control Sample	Total/NA	Water	8260C	
400-203823-11 MS	MW-17	Total/NA	Water	8260C	
400-203823-11 MSD	MW-17	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

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

Lab Sample ID: MB 400-533406/4
Matrix: Water
Analysis Batch: 533406

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/26/21 18:08	1
Toluene	<1.0		1.0		ug/L			05/26/21 18:08	1
Ethylbenzene	<1.0		1.0		ug/L			05/26/21 18:08	1
Xylenes, Total	<10		10		ug/L			05/26/21 18:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*05/26/21 18:08*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*05/26/21 18:08*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/26/21 18:08*	*1*

Lab Sample ID: LCS 400-533406/1002
Matrix: Water
Analysis Batch: 533406

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	47.1		ug/L		94	70 - 130		
Toluene			50.0	45.5		ug/L		91	70 - 130		
Ethylbenzene			50.0	49.6		ug/L		99	70 - 130		
Xylenes, Total			100	98.6		ug/L		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-203728-C-2 MS
Matrix: Water
Analysis Batch: 533406

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	44.6		ug/L		89	56 - 142		
Toluene	<1.0		50.0	39.3		ug/L		79	65 - 130		
Ethylbenzene	<1.0		50.0	39.4		ug/L		79	58 - 131		
Xylenes, Total	<10		100	78.2		ug/L		78	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 400-203728-C-2 MSD
Matrix: Water
Analysis Batch: 533406

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	45.9		ug/L		92	56 - 142	3	30
Toluene	<1.0		50.0	41.2		ug/L		82	65 - 130	5	30
Ethylbenzene	<1.0		50.0	42.8		ug/L		86	58 - 131	8	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

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

Lab Sample ID: 400-203728-C-2 MSD
Matrix: Water
Analysis Batch: 533406

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10		100	84.3		ug/L		84	59 - 130	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*78 - 118*
Dibromofluoromethane	*108*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 400-533598/4
Matrix: Water
Analysis Batch: 533598

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/28/21 08:40	1
Toluene	<1.0		1.0		ug/L			05/28/21 08:40	1
Ethylbenzene	<1.0		1.0		ug/L			05/28/21 08:40	1
Xylenes, Total	<10		10		ug/L			05/28/21 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*05/28/21 08:40*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*05/28/21 08:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/28/21 08:40*	*1*

Lab Sample ID: LCS 400-533598/1002
Matrix: Water
Analysis Batch: 533598

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	42.0		ug/L		84	70 - 130		
Toluene			50.0	44.0		ug/L		88	70 - 130		
Ethylbenzene			50.0	47.7		ug/L		95	70 - 130		
Xylenes, Total			100	94.5		ug/L		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*106*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 400-203823-11 MS
Matrix: Water
Analysis Batch: 533598

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	3.4		50.0	44.7		ug/L		83	56 - 142		
Toluene	<1.0		50.0	42.4		ug/L		85	65 - 130		
Ethylbenzene	<1.0		50.0	42.7		ug/L		85	58 - 131		
Xylenes, Total	<10		100	84.3		ug/L		84	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

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

Lab Sample ID: 400-203823-11 MS
Matrix: Water
Analysis Batch: 533598

Client Sample ID: MW-17
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 400-203823-11 MSD
Matrix: Water
Analysis Batch: 533598

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	3.4		50.0	45.2		ug/L		84	56 - 142	1	30
Toluene	<1.0		50.0	43.5		ug/L		87	65 - 130	2	30
Ethylbenzene	<1.0		50.0	43.3		ug/L		87	58 - 131	1	30
Xylenes, Total	<10		100	84.3		ug/L		84	59 - 130	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: TB-01
Date Collected: 05/22/21 13:00
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/26/21 19:00	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: DUP-01
Date Collected: 05/22/21 14:37
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	5 mL	5 mL	533406	05/27/21 03:39	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-1
Date Collected: 05/22/21 13:37
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	5 mL	5 mL	533406	05/27/21 04:05	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-6
Date Collected: 05/22/21 13:55
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	5 mL	5 mL	533406	05/27/21 03:13	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-9
Date Collected: 05/22/21 14:10
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/27/21 00:37	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-13
Date Collected: 05/22/21 14:22
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/27/21 01:03	SAB	TAL PEN
	Instrument ID: CH_TAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

Client Sample ID: MW-14
Date Collected: 05/22/21 14:35
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/27/21 01:30	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-15
Date Collected: 05/22/21 14:43
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/27/21 01:56	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-18
Date Collected: 05/22/21 14:57
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/27/21 02:22	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-19
Date Collected: 05/22/21 15:02
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533406	05/27/21 02:48	SAB	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-17
Date Collected: 05/23/21 18:10
Date Received: 05/25/21 09:35

Lab Sample ID: 400-203823-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	533598	05/28/21 09:04	WPD	TAL PEN
	Instrument ID: CH_TAN									

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-203823-1
Project/Site: State Gas Com N#1

Laboratory: Eurofins TestAmerica, Pensacola

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

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

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N#1

Job ID: 400-203823-1

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

Protocol References:

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

Laboratory References:

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

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

Chain of Custody Record

400-203823 COC

eurofins | Environment Testing America

Client Information	Sampler: SRC, MW	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-102798-36533.1
Client Contact: Steve Varsa	Phone: 913-980-0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: SRC 1 of 2 ~~Page 1 of 2~~
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: State Gas Com N #1.00	Project #: 40005479			
Site: State Gas Com	SSOW#:			

W-ERG - STW-05-06-21
SRC - 15

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Y or N)	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
TB-01	5/22/2021	1300	G	Water			2		2	Trip Blank
DUP-01	5/22/2021	1437	G	Water				3	3	Duplicate
MW-1	5/22/2021	1337	G	Water				3	3	
MW-6	5/22/2021	1355	G	Water				3	3	
MW-9	5/22/2021	1410	G	Water				3	3	
~~MW-10~~ SRC	~~5/22/2021~~ SRC	~~SRC~~	~~Water~~					SRC	SRC	SRC
MW-13	5/22/2021	1422	G	Water			3		3	
MW-14	5/22/2021	1435	G	Water			3		3	
MW-15	5/22/2021	1443	G	Water			3		3	
MW-18	5/22/2021	1457	G	Water				3	3	
MW-19	5/22/2021	1502	G	Water				3	3	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Sean N Clary	5/24/2021 0800	STW	FedEx	5/24/2021 0800	fedex
2		Date/Time:	Company		5/25/21 935	
3		Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 3.0°C IR

Ver: 11/01/2020

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRG MW	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-102798-36533.2
Client Contact: Steve Varsa	Phone: 913 99 02 81	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: State Gas Com N #1.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	m MS/MSD	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
							A	N		
MW-17	5/23/2021	1810	G	Water				3	3	
				Water						

Preservation Codes:

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

Other:

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/24/2021 0800	STN	FedEx	5/24/2021 0800	FedEx
2		Date/Time:	Company	Received by:	Date/Time: 5/25/21 935	Company ETHR
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-203823-1

Login Number: 203823 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0°C IR-7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-211299-1
Client Project/Site: State Gas Com N #1

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

Attn: Steve Varsa

Cheyenne Whitmire

Authorized for release by:
11/30/2021 11:52:36 AM

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

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

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

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

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Laboratory Job ID: 400-211299-1

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Definitions/Glossary

Client: Stantec Consulting Services Inc
Job ID: 400-211299-1
Project/Site: State Gas Com N #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

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Job ID: 400-211299-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-211299-1

Comments
No additional comments.

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

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-211299-2), MW-1 (400-211299-3), MW-5 (400-211299-4) and MW-6 (400-211299-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-5 (400-211299-4).

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: TB-01 — Lab Sample ID: 400-211299-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-211299-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	4000		100		ug/L	100		8260C	Total/NA
Toluene	5800		100		ug/L	100		8260C	Total/NA
Ethylbenzene	730		100		ug/L	100		8260C	Total/NA
Xylenes, Total	5700		1000		ug/L	100		8260C	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 400-211299-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	5100		100		ug/L	100		8260C	Total/NA
Toluene	6000		100		ug/L	100		8260C	Total/NA
Ethylbenzene	750		100		ug/L	100		8260C	Total/NA
Xylenes, Total	5500		1000		ug/L	100		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 400-211299-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	7800		100		ug/L	100		8260C	Total/NA
Ethylbenzene	670		100		ug/L	100		8260C	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-211299-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	3700		100		ug/L	100		8260C	Total/NA
Toluene	5600		100		ug/L	100		8260C	Total/NA
Ethylbenzene	680		100		ug/L	100		8260C	Total/NA
Xylenes, Total	5300		1000		ug/L	100		8260C	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-211299-6

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 400-211299-7

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 400-211299-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	30		1.0		ug/L	1		8260C	Total/NA
Toluene	4.0		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	11		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 400-211299-9

No Detections.

Client Sample ID: MW-15 — Lab Sample ID: 400-211299-10

No Detections.

Client Sample ID: MW-17 — Lab Sample ID: 400-211299-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-18 Lab Sample ID: 400-211299-12

No Detections.

Client Sample ID: MW-19 Lab Sample ID: 400-211299-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.6		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-211299-1	TB-01	Water	11/14/21 08:00	11/16/21 09:10
400-211299-2	DUP-01	Water	11/14/21 09:52	11/16/21 09:10
400-211299-3	MW-1	Water	11/14/21 09:00	11/16/21 09:10
400-211299-4	MW-5	Water	11/14/21 09:14	11/16/21 09:10
400-211299-5	MW-6	Water	11/14/21 08:52	11/16/21 09:10
400-211299-6	MW-9	Water	11/14/21 09:25	11/16/21 09:10
400-211299-7	MW-12	Water	11/14/21 09:38	11/16/21 09:10
400-211299-8	MW-13	Water	11/14/21 09:48	11/16/21 09:10
400-211299-9	MW-14	Water	11/14/21 09:58	11/16/21 09:10
400-211299-10	MW-15	Water	11/14/21 10:05	11/16/21 09:10
400-211299-11	MW-17	Water	11/14/21 10:17	11/16/21 09:10
400-211299-12	MW-18	Water	11/14/21 10:27	11/16/21 09:10
400-211299-13	MW-19	Water	11/14/21 10:34	11/16/21 09:10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: TB-01
Date Collected: 11/14/21 08:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/21 12:54	1
Toluene	<1.0		1.0		ug/L			11/19/21 12:54	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/21 12:54	1
Xylenes, Total	<10		10		ug/L			11/19/21 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/19/21 12:54*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*11/19/21 12:54*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*11/19/21 12:54*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: DUP-01

Date Collected: 11/14/21 09:52
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4000		100		ug/L			11/18/21 19:08	100
Toluene	5800		100		ug/L			11/18/21 19:08	100
Ethylbenzene	730		100		ug/L			11/18/21 19:08	100
Xylenes, Total	5700		1000		ug/L			11/18/21 19:08	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*11/18/21 19:08*	*100*
Dibromofluoromethane	*100*		*75 - 126*		*11/18/21 19:08*	*100*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/18/21 19:08*	*100*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-1

Date Collected: 11/14/21 09:00
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5100		100		ug/L			11/18/21 19:36	100
Toluene	6000		100		ug/L			11/18/21 19:36	100
Ethylbenzene	750		100		ug/L			11/18/21 19:36	100
Xylenes, Total	5500		1000		ug/L			11/18/21 19:36	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 119*		*11/18/21 19:36*	*100*
Dibromofluoromethane	*97*		*75 - 126*		*11/18/21 19:36*	*100*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/18/21 19:36*	*100*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-5

Lab Sample ID: 400-211299-4

Date Collected: 11/14/21 09:14
Matrix: Water
Date Received: 11/16/21 09:10

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7800**		100		ug/L			11/21/21 21:40	100
Toluene	<100		100		ug/L			11/21/21 21:40	100
Ethylbenzene	**670**		100		ug/L			11/21/21 21:40	100
Xylenes, Total	<1000		1000		ug/L			11/21/21 21:40	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*11/21/21 21:40*	*100*
Dibromofluoromethane	*106*		*75 - 126*		*11/21/21 21:40*	*100*
Toluene-d8 (Surr)	*92*		*64 - 132*		*11/21/21 21:40*	*100*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-6

Date Collected: 11/14/21 08:52
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3700		100		ug/L			11/18/21 20:03	100
Toluene	5600		100		ug/L			11/18/21 20:03	100
Ethylbenzene	680		100		ug/L			11/18/21 20:03	100
Xylenes, Total	5300		1000		ug/L			11/18/21 20:03	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*11/18/21 20:03*	*100*
Dibromofluoromethane	*99*		*75 - 126*		*11/18/21 20:03*	*100*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/18/21 20:03*	*100*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-9

Lab Sample ID: 400-211299-6

Date Collected: 11/14/21 09:25
Matrix: Water
Date Received: 11/16/21 09:10

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/21 18:41	1
Toluene	<1.0		1.0		ug/L			11/18/21 18:41	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 18:41	1
Xylenes, Total	<10		10		ug/L			11/18/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 119*		*11/18/21 18:41*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*11/18/21 18:41*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/18/21 18:41*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-12

Date Collected: 11/14/21 09:38
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/21 12:44	1
Toluene	<1.0		1.0		ug/L			11/18/21 12:44	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 12:44	1
Xylenes, Total	<10		10		ug/L			11/18/21 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 119*		*11/18/21 12:44*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*11/18/21 12:44*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/18/21 12:44*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-13

Date Collected: 11/14/21 09:48
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**30**		1.0		ug/L			11/19/21 13:20	1
Toluene	**4.0**		1.0		ug/L			11/19/21 13:20	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/21 13:20	1
Xylenes, Total	**11**		10		ug/L			11/19/21 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*11/19/21 13:20*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*11/19/21 13:20*	*1*
Toluene-d8 (Surr)	*85*		*64 - 132*		*11/19/21 13:20*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-14
Date Collected: 11/14/21 09:58
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-9
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/21 10:43	1
Toluene	<1.0		1.0		ug/L			11/19/21 10:43	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/21 10:43	1
Xylenes, Total	<10		10		ug/L			11/19/21 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*11/19/21 10:43*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/19/21 10:43*	*1*
Toluene-d8 (Surr)	*86*		*64 - 132*		*11/19/21 10:43*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-15

Date Collected: 11/14/21 10:05
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/21 13:46	1
Toluene	<1.0		1.0		ug/L			11/19/21 13:46	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/21 13:46	1
Xylenes, Total	<10		10		ug/L			11/19/21 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/19/21 13:46*	*1*
Dibromofluoromethane	*107*		*75 - 126*		*11/19/21 13:46*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*11/19/21 13:46*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-17

Date Collected: 11/14/21 10:17
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-11

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/21 18:59	1
Toluene	<1.0		1.0		ug/L			11/18/21 18:59	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 18:59	1
Xylenes, Total	<10		10		ug/L			11/18/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 119*		*11/18/21 18:59*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*11/18/21 18:59*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*11/18/21 18:59*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-18

Date Collected: 11/14/21 10:27
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-12

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/21 19:25	1
Toluene	<1.0		1.0		ug/L			11/18/21 19:25	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 19:25	1
Xylenes, Total	<10		10		ug/L			11/18/21 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 119*		*11/18/21 19:25*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/18/21 19:25*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*11/18/21 19:25*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-19
Date Collected: 11/14/21 10:34
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-13
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.6**		1.0		ug/L			11/18/21 19:51	1
Toluene	<1.0		1.0		ug/L			11/18/21 19:51	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 19:51	1
Xylenes, Total	<10		10		ug/L			11/18/21 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/18/21 19:51*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*11/18/21 19:51*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*11/18/21 19:51*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

GC/MS VOA

Analysis Batch: 556387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211299-2	DUP-01	Total/NA	Water	8260C	
400-211299-3	MW-1	Total/NA	Water	8260C	
400-211299-5	MW-6	Total/NA	Water	8260C	
400-211299-6	MW-9	Total/NA	Water	8260C	
400-211299-7	MW-12	Total/NA	Water	8260C	
MB 400-556387/4	Method Blank	Total/NA	Water	8260C	
LCS 400-556387/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211299-7 MS	MW-12	Total/NA	Water	8260C	
400-211299-7 MSD	MW-12	Total/NA	Water	8260C	

Analysis Batch: 556388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211299-11	MW-17	Total/NA	Water	8260C	
400-211299-12	MW-18	Total/NA	Water	8260C	
400-211299-13	MW-19	Total/NA	Water	8260C	
MB 400-556388/4	Method Blank	Total/NA	Water	8260C	
LCS 400-556388/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211285-A-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-211285-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 556578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211299-1	TB-01	Total/NA	Water	8260C	
400-211299-8	MW-13	Total/NA	Water	8260C	
400-211299-9	MW-14	Total/NA	Water	8260C	
400-211299-10	MW-15	Total/NA	Water	8260C	
MB 400-556578/6	Method Blank	Total/NA	Water	8260C	
LCS 400-556578/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211299-9 MS	MW-14	Total/NA	Water	8260C	
400-211299-9 MSD	MW-14	Total/NA	Water	8260C	

Analysis Batch: 556824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-211299-4	MW-5	Total/NA	Water	8260C	
MB 400-556824/4	Method Blank	Total/NA	Water	8260C	
LCS 400-556824/1002	Lab Control Sample	Total/NA	Water	8260C	
400-211182-A-5 MS	Matrix Spike	Total/NA	Water	8260C	
400-211182-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

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

Lab Sample ID: MB 400-556387/4
Matrix: Water
Analysis Batch: 556387

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/21 11:49	1
Toluene	<1.0		1.0		ug/L			11/18/21 11:49	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 11:49	1
Xylenes, Total	<10		10		ug/L			11/18/21 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*72 - 119*		*11/18/21 11:49*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*11/18/21 11:49*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/18/21 11:49*	*1*

Lab Sample ID: LCS 400-556387/1002
Matrix: Water
Analysis Batch: 556387

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	43.7		ug/L		87	70 - 130		
Toluene			50.0	48.9		ug/L		98	70 - 130		
Ethylbenzene			50.0	48.6		ug/L		97	70 - 130		
Xylenes, Total			100	96.9		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*72 - 119*
Dibromofluoromethane	*91*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: 400-211299-7 MS
Matrix: Water
Analysis Batch: 556387

Client Sample ID: MW-12
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	37.6		ug/L		74	56 - 142		
Toluene	<1.0		50.0	39.7		ug/L		79	65 - 130		
Ethylbenzene	<1.0		50.0	38.1		ug/L		76	58 - 131		
Xylenes, Total	<10		100	76.1		ug/L		76	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 119*
Dibromofluoromethane	*92*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 400-211299-7 MSD
Matrix: Water
Analysis Batch: 556387

Client Sample ID: MW-12
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	36.9		ug/L		73	56 - 142	2	30
Toluene	<1.0		50.0	37.3		ug/L		75	65 - 130	6	30
Ethylbenzene	<1.0		50.0	36.0		ug/L		72	58 - 131	6	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

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

Lab Sample ID: 400-211299-7 MSD
Matrix: Water
Analysis Batch: 556387

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10		100	71.2		ug/L		71	59 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 119*
Dibromofluoromethane	*97*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

Lab Sample ID: MB 400-556388/4
Matrix: Water
Analysis Batch: 556388

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/18/21 11:07	1
Toluene	<1.0		1.0		ug/L			11/18/21 11:07	1
Ethylbenzene	<1.0		1.0		ug/L			11/18/21 11:07	1
Xylenes, Total	<10		10		ug/L			11/18/21 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*72 - 119*		*11/18/21 11:07*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*11/18/21 11:07*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*11/18/21 11:07*	*1*

Lab Sample ID: LCS 400-556388/1002
Matrix: Water
Analysis Batch: 556388

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	54.3		ug/L		109	70 - 130		
Toluene			50.0	47.1		ug/L		94	70 - 130		
Ethylbenzene			50.0	53.5		ug/L		107	70 - 130		
Xylenes, Total			100	108		ug/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*72 - 119*
Dibromofluoromethane	*99*		*75 - 126*
Toluene-d8 (Surr)	*84*		*64 - 132*

Lab Sample ID: 400-211285-A-2 MS
Matrix: Water
Analysis Batch: 556388

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	46.0		ug/L		92	56 - 142		
Toluene	<1.0		50.0	37.0		ug/L		74	65 - 130		
Ethylbenzene	<1.0		50.0	40.9		ug/L		82	58 - 131		
Xylenes, Total	<10		100	84.8		ug/L		85	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

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

Lab Sample ID: 400-211285-A-2 MS
Matrix: Water
Analysis Batch: 556388

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	94		75 - 126
Toluene-d8 (Surr)	80		64 - 132

Lab Sample ID: 400-211285-A-2 MSD
Matrix: Water
Analysis Batch: 556388

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	51.0		ug/L		102	56 - 142	10	30
Toluene	<1.0		50.0	41.6		ug/L		83	65 - 130	12	30
Ethylbenzene	<1.0		50.0	44.8		ug/L		90	58 - 131	9	30
Xylenes, Total	<10		100	91.4		ug/L		91	59 - 130	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	91		72 - 119
Dibromofluoromethane	93		75 - 126
Toluene-d8 (Surr)	82		64 - 132

Lab Sample ID: MB 400-556578/6
Matrix: Water
Analysis Batch: 556578

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/21 10:17	1
Toluene	<1.0		1.0		ug/L			11/19/21 10:17	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/21 10:17	1
Xylenes, Total	<10		10		ug/L			11/19/21 10:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119		11/19/21 10:17	1
Dibromofluoromethane	103		75 - 126		11/19/21 10:17	1
Toluene-d8 (Surr)	87		64 - 132		11/19/21 10:17	1

Lab Sample ID: LCS 400-556578/1002
Matrix: Water
Analysis Batch: 556578

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	53.6		ug/L		107	70 - 130		
Toluene			50.0	46.7		ug/L		93	70 - 130		
Ethylbenzene			50.0	53.2		ug/L		106	70 - 130		
Xylenes, Total			100	108		ug/L		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	90		72 - 119
Dibromofluoromethane	104		75 - 126

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

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

Lab Sample ID: LCS 400-556578/1002
Matrix: Water
Analysis Batch: 556578

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	83		64 - 132

Lab Sample ID: 400-211299-9 MS
Matrix: Water
Analysis Batch: 556578

Client Sample ID: MW-14
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	55.3		ug/L		111	56 - 142
Toluene	<1.0		50.0	45.7		ug/L		91	65 - 130
Ethylbenzene	<1.0		50.0	51.5		ug/L		103	58 - 131
Xylenes, Total	<10		100	105		ug/L		105	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	89		72 - 119
Dibromofluoromethane	100		75 - 126
Toluene-d8 (Surr)	81		64 - 132

Lab Sample ID: 400-211299-9 MSD
Matrix: Water
Analysis Batch: 556578

Client Sample ID: MW-14
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	49.3		ug/L		99	56 - 142	11	30
Toluene	<1.0		50.0	41.1		ug/L		82	65 - 130	11	30
Ethylbenzene	<1.0		50.0	45.7		ug/L		91	58 - 131	12	30
Xylenes, Total	<10		100	92.8		ug/L		93	59 - 130	12	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	90		72 - 119
Dibromofluoromethane	98		75 - 126
Toluene-d8 (Surr)	82		64 - 132

Lab Sample ID: MB 400-556824/4
Matrix: Water
Analysis Batch: 556824

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/21 12:34	1
Toluene	<1.0		1.0		ug/L			11/21/21 12:34	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/21 12:34	1
Xylenes, Total	<10		10		ug/L			11/21/21 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		72 - 119		11/21/21 12:34	1
Dibromofluoromethane	106		75 - 126		11/21/21 12:34	1
Toluene-d8 (Surr)	94		64 - 132		11/21/21 12:34	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

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

Lab Sample ID: LCS 400-556824/1002
Matrix: Water
Analysis Batch: 556824

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	45.3		ug/L		91	70 - 130		
Toluene			50.0	48.5		ug/L		97	70 - 130		
Ethylbenzene			50.0	44.3		ug/L		89	70 - 130		
Xylenes, Total			100	90.8		ug/L		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*72 - 119*
Dibromofluoromethane	*103*		*75 - 126*
Toluene-d8 (Surr)	*103*		*64 - 132*

Lab Sample ID: 400-211182-A-5 MS
Matrix: Water
Analysis Batch: 556824

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	44.3		ug/L		89	56 - 142		
Toluene	<1.0		50.0	44.8		ug/L		90	65 - 130		
Ethylbenzene	<1.0		50.0	39.0		ug/L		78	58 - 131		
Xylenes, Total	<10		100	81.1		ug/L		81	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 119*
Dibromofluoromethane	*104*		*75 - 126*
Toluene-d8 (Surr)	*104*		*64 - 132*

Lab Sample ID: 400-211182-A-5 MSD
Matrix: Water
Analysis Batch: 556824

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	47.0		ug/L		94	56 - 142	6	30
Toluene	<1.0		50.0	50.1		ug/L		100	65 - 130	11	30
Ethylbenzene	<1.0		50.0	45.6		ug/L		91	58 - 131	16	30
Xylenes, Total	<10		100	94.2		ug/L		94	59 - 130	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*72 - 119*
Dibromofluoromethane	*107*		*75 - 126*
Toluene-d8 (Surr)	*105*		*64 - 132*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: TB-01 — Lab Sample ID: 400-211299-1

Date Collected: 11/14/21 08:00 — **Matrix: Water**
Date Received: 11/16/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556578	11/19/21 12:54	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: DUP-01 — Lab Sample ID: 400-211299-2

Date Collected: 11/14/21 09:52 — **Matrix: Water**
Date Received: 11/16/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	5 mL	5 mL	556387	11/18/21 19:08	BEP	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-1 — Lab Sample ID: 400-211299-3

Date Collected: 11/14/21 09:00 — **Matrix: Water**
Date Received: 11/16/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	5 mL	5 mL	556387	11/18/21 19:36	BEP	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-5 — Lab Sample ID: 400-211299-4

Date Collected: 11/14/21 09:14 — **Matrix: Water**
Date Received: 11/16/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	5 mL	5 mL	556824	11/21/21 21:40	BPO	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-6 — Lab Sample ID: 400-211299-5

Date Collected: 11/14/21 08:52 — **Matrix: Water**
Date Received: 11/16/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	5 mL	5 mL	556387	11/18/21 20:03	BEP	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-9 — Lab Sample ID: 400-211299-6

Date Collected: 11/14/21 09:25 — **Matrix: Water**
Date Received: 11/16/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556387	11/18/21 18:41	BEP	TAL PEN
	Instrument ID: Rosalind									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-12
Date Collected: 11/14/21 09:38
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556387	11/18/21 12:44	BEP	TAL PEN
	Instrument ID: Rosalind									

Client Sample ID: MW-13
Date Collected: 11/14/21 09:48
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556578	11/19/21 13:20	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-14
Date Collected: 11/14/21 09:58
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556578	11/19/21 10:43	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-15
Date Collected: 11/14/21 10:05
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556578	11/19/21 13:46	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-17
Date Collected: 11/14/21 10:17
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556388	11/18/21 18:59	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-18
Date Collected: 11/14/21 10:27
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	556388	11/18/21 19:25	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Client Sample ID: MW-19
Date Collected: 11/14/21 10:34
Date Received: 11/16/21 09:10

Lab Sample ID: 400-211299-13
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	8260C		1	5 mL	5 mL	556388	11/18/21 19:51	BEP	TAL PEN
	Instrument ID: CH_CONAN									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

Laboratory: Eurofins TestAmerica, Pensacola

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

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

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1

Job ID: 400-211299-1

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

Protocol References:

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

Laboratory References:

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

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105792-37667.1
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 1 of 3/2 SRC
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: WD801926			
Email: steve.varsa@stantec.com	WO #:			
Project Name: State Gas Com N #1.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

400-211299 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
SAH-15										
TB-01	11/14/21	0800	G	Water			2		2	Trip Blank
DUP-01	11/14/21	0952	G	Water				3	3	Blind Dup
MW-1	11/14/21	0900	G	Water				3	3	
MW-5	11/14/21	0914	G	Water			3		3	
MW-6	11/14/21	0852	G	Water				3	3	
MW-9	11/14/21	0925	G	Water				3	3	
MW-12	11/14/21	0938	G	Water				3	3	
MW-13	11/14/21	0948	G	Water			3		3	
MW-14	11/14/21	0958	G	Water			3		3	
MW-15	11/14/21	1005	G	Water			3		3	
MW-17	11/14/21	1017	G	Water				3	3	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11-16-21 910	Company EM

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

Cooler Temperature(s) °C and Other Remarks: 0-6°C IR9

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105792-37667.2
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 2 of 2 SRC
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone: 303-291-2239(Tel)	PO #: WD801926			
Email: steve.varsa@stantec.com	WO #:			
Project Name: State Gas Com N #1.00	Project #: 40005479			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

SAM-15

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-18	11/14/21	1027	G	Water				3	3	
MW-19	11/14/21	1034	G	Water				3	3	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Sean N Clary	11/15/21 0600	STN			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11-16-21/940	Company BTO

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-211299-1

Login Number: 211299 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Whitley, Adrian

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 94936

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 94936
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 Annual Groundwater Report: Content satisfactory 1. Continue bi-annual groundwater monitoring in 2022. 2. Continue to collect groundwater samples from key monitoring wells not containing LNAPL on a bi-annual basis and analyzed for BTEX constituents using EPA Method 8260. 3. Continue sampling of all site monitoring wells on a bi-annual basis. 4. Continue quarterly site visits in 2022 to facilitate removal of measurable LNAPL where it is present. 5. Submit 2022 activities and summarize results in the next annual report to OCD no later than March 31, 2023.	10/31/2022