2019

Annual Ground Water Monitor Report

RCVD Via Email 4/1/2020

From: Smith, Cory, EMNRD
To: Wiley, Joe
Cc: Griswold, Jim, EMNRD; "Varsa, Steve"; Billings, Bradford, EMNRD
Subject: RE: 3RP-239 State Gas Con N#1-2019 Annual Report
Date: Wednesday, April 1, 2020 4:13:00 PM

Mr. Wiley,

OCD has reviewed the 2019 Annual Ground Water report for 3RP-239 State Gas Com N #1 and has approved the report with the following conditions of approval:

- Kinder Morgan will hand bail, any/all monitor wells that have LNAPL present at a minimum once a quarter and document product recover going forward (These wells do not need to be sampled during bailing events etc.)
- Kinder Morgan needs to develop an active remediation plan for this site please submit the Remediation plan separate no later than the end of Q4 2020. The Plan needs to include an active remediation approach with timelines for implementation for 2021

Please keep a copy of this approval for your records as a paper copy will not be sent. A signed version of the AGWM will be scanned in to the online RP# as soon as possible. If you have any additional questions please feel free to give me a call.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
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(505)334-6178 ext 115
cory.smith@state.nm.us

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Wednesday, April 1, 2020 9:00 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Wiley, Joe <joe_wiley@kindermorgan.com>
Subject: [EXT] FW: 3RP-239 State Gas Con N#1-2019 Annual Report

The previously report submittal was recalled as the report inadvertently had the word “Draft” in its file title. Please utilize the attached version.

Thank you,
Steve

From: Varsa, Steve
Sent: Tuesday, March 31, 2020 2:08 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Wiley, Joe <Joe_Wiley@kindermorgan.com>

Subject: 3RP-239 State Gas Con N#1-2019 Annual Report

Hi Cory – on behalf of El Paso CGP Company, please find attached the above-referenced report for your information and records. Please contact Joe Wiley, Project Manager with EPCGP, at 713-420-3475, or me, if you have any questions.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
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2019 ANNUAL GROUNDWATER REPORT

STATE GAS COM N#1
NMOCD Case#: 3RP-239-0
Meter Code: 71669
T31N, R12W, Sec16, Unit H

Reviewed
4/1/2020

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 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. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 1. 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 3, 2019, and November 6, 2019, prior to initiating groundwater sampling activities at the Site. Copies of the 2019 NMOCD notifications are provided in Appendix A. Groundwater monitoring and sampling was completed on May 24, and November 13, 2019. During each sampling event, water levels were gauged from monitoring wells MW-1 through MW-6, MW-9 through MW-13, MW-15 through MW-19, TW-1, TW-2, and TW-3. During the May 2019 event groundwater samples were collected from selected monitoring wells MW-1, MW-3, MW-6, MW-13 through MW-16, MW-18, and MW-19. During the November 2019 sampling event, groundwater samples were collected from selected monitoring wells MW-1, MW-2, MW-3, MS-5, MW-6, MW-9, and MW-12 through MW-19. Free product was detected at MW-4; therefore, no groundwater samples were collected in 2019 at this location.

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 feet 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. 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. in Bloomfield, New Mexico (Basin) for disposal. Waste disposal documentation is included as Appendix B.

FREE PRODUCT RECOVERY

Historically, free product has been measured in monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-10 and MW-11. Free product was observed in monitoring well MW-4 during both sampling events in 2019. In May 2019, 0.22 feet of free product was measured in MW-4 and 0.05 gallons was recovered. In November 2019, 0.13 feet of free product was measured in MW-4 and 0.09 gallons was recovered. The recovered free product was disposed of with wastewater generated during groundwater sampling activities.

SUMMARY TABLES

Historic groundwater analytical results and well gauging data are summarized in Tables 1 and 2, respectively.

SITE MAPS

Groundwater analytical results (Figures 2 and 4) and groundwater elevation contour maps (Figures 3 and 5) summarize results of the 2019 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix C.

GROUND WATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the south-southeast during 2019 (see Figures 3 and 5).
- Free product was present in MW-4 for the May and November 2019 semi-annual sampling events; therefore, a groundwater sample was not collected during either event from this location.
- Groundwater samples collected during both sampling events in 2019 from MW-1, MW-3, MW-5, MW-6, MW-13, MW-16, and during the November 2019 event from MW-2 and MW-18, 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 2019.
- Groundwater samples collected in 2019 from MW-1, MW-2, 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 2019.

- Groundwater samples collected during both sampling events in 2019 from MW-1 and during the May event at MW-3 and MW-6, and during the November event at MW-5 exceeded the NMWQCC standard (750 µg/L) for ethylbenzene in groundwater. Ethylbenzene was either not detected or detected below the NMWQCC standard in the remaining groundwater samples collected from site monitoring wells in 2019.
- Groundwater samples collected in 2019 from MW-1, MW-2, MW-3, MW-5, and MW-6 exceeded the NMWQCC standard (620 µg/L) for total xylenes in groundwater. Total xylenes were either not detected or detected below the NMWQCC standard in groundwater samples collected from site monitoring wells in 2019.
- A field duplicate was collected from MW-19 for the May 2019 event and from MW-9 for the November 2019 event. No significant differences were noted between the primary and the duplicate samples.

PLANNED FUTURE ACTIVITIES

Semi-annual groundwater monitoring will continue for 2020. Groundwater samples will be collected from monitoring wells not containing free product. If encountered while on-site, free product will be hand-bailed, and recovered fluids transported to Basin for disposal. A field duplicate and trip blank will also be collected during each groundwater sampling event. The groundwater samples, field duplicate and trip blank will be analyzed for BTEX constituents using EPA Method 8260. The activities completed in 2020 and their results will be summarized in the 2020 Annual report for the Site, submitted in early 2021.

TABLES

TABLE 1 - 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	09/15/05	17300	10700	1560	19600
MW-1	09/27/06	15100	9990	1150	10700
MW-1	09/18/07	13800	10100	2260	21200
MW-1	09/08/08	11700	7560	815	7740
MW-1	08/26/09	12600	8470	973	8670
MW-1	09/29/10	10300	9470	1320	12500
MW-1	09/29/11	12300	7800	907	7750
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-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	09/15/05	13700	2770	762	8610
MW-2	09/27/06	13800	2150	880	8130
MW-2	09/18/07	10100	1730	1200	12700
MW-2	09/08/08	9120	1610	552	6380
MW-2	09/29/10	15600	1570	779	7730
MW-2	09/29/11	12900	1270	838	6940
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

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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	11/22/15	17000	1900	680	7200
MW-2	11/13/19	11000	1900	540	5800
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	09/08/08	70.3	1.5	3.3	19.1
MW-3	08/26/09	20100	434	936	4690
MW-3	09/29/10	23600	219 J	771	3480
MW-3	09/29/11	18500	163	906	4520
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	06/06/17	22000	<1300	1100	8500
MW-3	11/10/17	14000	310	800	7000
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-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	09/10/01	17000	14000	610	6700
MW-4	09/04/02	17800	13900	750	10870
MW-4	09/14/03	24000	30800	4670	73200
MW-4	09/16/04	26300	18500	1870	15200
MW-4	09/15/05	18600	16900	1120	12800
MW-4	09/27/06	19800	14200	978	12500
MW-4	09/18/07	21100	15400	1560	17000
MW-4	09/08/08	17000	12700	598	11700
MW-4	08/26/09	17000	14400	934	11000
MW-4	09/29/10	19400	13100	789	9500
MW-4	09/29/11	18700	12500	1020	11400
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

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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-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-5	08/30/00	27000	570	930	8600
MW-5	09/10/01	16000	100	720	4600
MW-5	09/04/02	21100	190	1310	5560
MW-5	09/14/03	23100	157	2480	11300
MW-5	09/16/04	29400	<25	1320	1690
MW-5	09/15/05	22800	14	1160	1620
MW-5	09/27/06	26000	<100	1440	1800
MW-5	09/18/07	26300	<100	914	1590
MW-5	09/08/08	21600	<100	522	1580
MW-5	08/26/09	19800	63.2 J	1280	2470
MW-5	09/29/10	24600	<200	1330	4390
MW-5	09/29/11	20600	8.9 J	1000	3370
MW-5	06/07/13	16000	<60	1000	5400
MW-5	11/13/19	9600	<50	900	820
MW-6	12/20/01	5000	11000	420	4600
MW-6	09/29/10	6950	14700	978	8990
MW-6	09/29/11	5590	10200	991	8670
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

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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-6	11/13/19	2900	4500	490	4000
DUP-1(MW-6)*	11/13/19	3900	7000	710	5700
MW-7	04/15/08	<2	<2	<2	<6
MW-7	08/26/09	11200	4930	916	5760
MW-7	09/29/10	13900	8690	982	7130
MW-7	09/29/11	9280	3550	725	4270
MW-7	06/07/13	Well Destroyed			
MW-9	04/15/08	<2	<2	<2	<6
MW-9	09/08/08	0.95 J	<1	<1	1.3 J
MW-9	08/26/09	1.2	0.69 J	0.35J	2.7
MW-9	09/29/10	0.79 J	17 J	<2	2.9 J
MW-9	09/29/11	0.89 J	0.87 J	<1	<2
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-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	11/13/19	14	<1.0	4.6	<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	11/10/17	21	1.6	12	<10
MW-13	05/18/18	23	1	5.8	<10

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-13	10/25/18	25	<1.0	1.9	<10
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-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	10/11/16	<1.0	<5.0	<1.0	<5.0
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-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	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-16	05/27/15	1.9	<5.0	<1.0	17
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-17	05/27/15	88	<5.0	6.8	15
MW-17	11/22/15	9.9	<5.0	15	<5.0
MW-17	11/13/19	2.0	<1.0	<1.0	<10
MW-18	05/27/15	120	12	30	27
MW-18	11/22/15	470	<10	100	11

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Location	**Date**	**Benzene (µg/L)**	**Toluene (µg/L)**	**Ethylbenzene (µg/L)**	**Total Xylenes (µg/L)**
NMWQCC Standards:		10	750	750	620
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
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

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 2 - GROUNDWATER ELEVATION RESULTS

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

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	09/27/06	6122.33	74.65	ND		6047.68
MW-1	12/20/06	6122.33	74.81	ND		6047.52
MW-1	03/28/07	6122.33	75.07	ND		6047.26
MW-1	06/14/07	6122.33	75.09	ND		6047.24
MW-1	09/18/07	6122.33	74.92	ND		6047.41
MW-1	12/17/07	6122.33	74.79	ND		6047.54
MW-1	03/05/08	6122.33	74.63	ND		6047.70
MW-1	06/12/08	6122.33	74.52	ND		6047.81
MW-1	09/08/08	6122.33	74.55	ND		6047.78
MW-1	12/03/08	6122.33	74.62	ND		6047.71
MW-1	03/10/09	6122.33	74.56	ND		6047.77
MW-1	06/03/09	6122.33	74.59	ND		6047.74
MW-1	08/26/09	6122.33	74.76	ND		6047.57
MW-1	11/05/09	6122.33	74.66	ND		6047.67
MW-1	02/11/10	6122.33	74.77	ND		6047.56
MW-1	05/21/10	6122.33	75.10	ND		6047.23
MW-1	09/29/10	6122.33	75.45	75.43	0.02	6046.89
MW-1	11/02/10	6122.33	75.82	ND		6046.51
MW-1	02/02/11	6122.33	75.24	ND		6047.09
MW-1	05/04/11	6122.33	74.55	ND		6047.78
MW-1	09/29/11	6122.33	73.57	ND		6048.76
MW-1	11/11/11	6122.33	73.46	ND		6048.87
MW-1	02/16/12	6122.33	73.38	ND		6048.95
MW-1	05/08/12	6122.33	73.53	ND		6048.80
MW-1	06/07/13	6122.33	74.82	ND		6047.51
MW-1	09/12/13	6122.33	75.00	ND		6047.33
MW-1	12/13/13	6122.33	74.95	ND		6047.38
MW-1	04/05/14	6122.33	74.99	ND		6047.34
MW-1	10/21/14	6122.33	74.77	ND		6047.56
MW-1	05/27/15	6122.33	74.57	ND		6047.76
MW-1	11/22/15	6122.33	77.17	ND		6045.16
MW-1	04/15/16	6122.33	73.37	ND		6048.96
MW-1	10/11/16	6122.33	70.08	ND		6052.25
MW-1	06/06/17	6122.33	71.77	ND		6050.56
MW-1	11/10/17	6122.33	71.11	ND		6051.22
MW-1	03/30/18	6122.33	71.16	ND		6051.17
MW-1	05/18/18	6122.33	70.63	ND		6051.70

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	10/25/18	6122.33	71.12	ND		6051.21
MW-1	05/24/19	6122.33	72.05	ND		6050.28
MW-1	11/13/19	6122.33	72.04	ND		6050.29
MW-2	12/07/95	6120.93	75.50	NR		6045.43
MW-2	12/03/96	6120.93	76.66	75.45	1.21	6045.17
MW-2	03/07/97	6120.93	76.88	75.51	1.37	6045.07
MW-2	01/16/01	6120.93	78.26	77.43	0.83	6043.29
MW-2	01/24/01	6120.93	79.06	78.72	0.34	6042.12
MW-2	01/30/01	6120.93	78.45	78.44	0.01	6042.48
MW-2	04/02/01	6120.93	78.36	NR		6042.57
MW-2	06/05/01	6120.93	76.46	NR		6044.47
MW-2	06/15/01	6120.93	76.54	NR		6044.39
MW-2	07/13/01	6120.93	76.56	NR		6044.37
MW-2	07/20/01	6120.93	76.48	NR		6044.45
MW-2	08/01/01	6120.93	76.51	NR		6044.42
MW-2	08/08/01	6120.93	76.50	NR		6044.43
MW-2	08/16/01	6120.93	76.46	NR		6044.47
MW-2	08/20/01	6120.93	76.43	NR		6044.50
MW-2	09/05/01	6120.93	76.38	NR		6044.55
MW-2	09/19/01	6120.93	76.34	NR		6044.59
MW-2	09/26/01	6120.93	76.35	NR		6044.58
MW-2	10/03/01	6120.93	76.31	NR		6044.62
MW-2	10/11/01	6120.93	76.29	NR		6044.64
MW-2	01/23/02	6120.93	76.08	76.07	0.01	6044.85
MW-2	05/17/02	6120.93	76.17	NR		6044.76
MW-2	06/07/02	6120.93	76.21	NR		6044.72
MW-2	09/04/02	6120.93	76.21	76.20	0.01	6044.72
MW-2	12/17/02	6120.93	76.63	NR		6044.30
MW-2	03/20/03	6120.93	76.32	76.28	0.04	6044.64
MW-2	06/26/03	6120.93	76.22	76.19	0.03	6044.73
MW-2	09/14/03	6120.93	76.35	76.31	0.04	6044.61
MW-2	12/09/03	6120.93	76.22	76.15	0.07	6044.76
MW-2	03/15/04	6120.93	76.14	76.07	0.07	6044.84
MW-2	06/17/04	6120.93	75.98	75.93	0.05	6044.98
MW-2	09/16/04	6120.93	76.66	75.72	0.94	6044.97
MW-2	12/20/04	6120.93	75.50	75.46	0.04	6045.46
MW-2	03/17/05	6120.93	75.37	ND		6045.56
MW-2	06/17/05	6120.93	75.72	ND		6045.21

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	09/15/05	6120.93	75.38	ND		6045.55
MW-2	12/22/05	6120.93	75.41	ND		6045.52
MW-2	03/27/06	6120.93	75.42	ND		6045.51
MW-2	06/19/06	6120.93	75.56	ND		6045.37
MW-2	09/27/06	6120.93	75.85	ND		6045.08
MW-2	12/20/06	6120.93	75.92	ND		6045.01
MW-2	03/28/07	6120.93	76.12	ND		6044.81
MW-2	06/14/07	6120.93	76.29	ND		6044.64
MW-2	09/18/07	6120.93	76.24	ND		6044.69
MW-2	12/17/07	6120.93	76.22	ND		6044.71
MW-2	03/05/08	6120.93	76.13	ND		6044.80
MW-2	06/12/08	6120.93	76.12	ND		6044.81
MW-2	09/08/08	6120.93	76.10	ND		6044.83
MW-2	12/03/08	6120.93	76.15	ND		6044.78
MW-2	03/10/09	6120.93	76.13	ND		6044.80
MW-2	06/03/09	6120.93	76.35	76.24	0.11	6044.66
MW-2	08/26/09	6120.93	76.43	76.36	0.07	6044.55
MW-2	11/05/09	6120.93	76.58	ND		6044.35
MW-2	02/11/10	6120.93	76.52	ND		6044.41
MW-2	05/21/10	6120.93	76.70	ND		6044.23
MW-2	09/29/10	6120.93	76.88	ND		6044.05
MW-2	11/02/10	6120.93	76.98	ND		6043.95
MW-2	02/02/11	6120.93	76.83	ND		6044.10
MW-2	05/04/11	6120.93	76.69	ND		6044.24
MW-2	09/29/11	6120.93	76.18	ND		6044.75
MW-2	11/11/11	6120.93	76.13	ND		6044.80
MW-2	02/16/12	6120.93	75.92	ND		6045.01
MW-2	05/08/12	6120.93	75.98	ND		6044.95
MW-2	06/07/13	6120.93	76.88	ND		6044.05
MW-2	09/12/13	6120.93	77.07	ND		6043.86
MW-2	12/13/13	6120.93	77.08	ND		6043.85
MW-2	04/05/14	6120.93	77.08	ND		6043.85
MW-2	10/21/14	6120.93	77.18	ND		6043.75
MW-2	05/27/15	6120.93	77.05	ND		6043.88
MW-2	11/22/15	6120.93	76.90	ND		6044.03
MW-2	04/15/16	6120.93	76.54	ND		6044.39
MW-2	10/11/16	6120.93	76.00	ND		6044.93
MW-2	06/06/17	6120.93	75.42	ND		6045.51
MW-2	11/10/17	6120.93	74.97	ND		6045.96

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	03/30/18	6120.93	74.86	ND		6046.07
MW-2	05/18/18	6120.93	74.49	ND		6046.44
MW-2	10/25/18	6120.93	74.86	ND		6046.07
MW-2	05/24/19	6120.93	75.44	ND		6045.49
MW-2	11/13/19	6120.93	75.86	ND		6045.07
MW-3	12/07/95	6120.42	75.03	NR		6045.39
MW-3	12/03/96	6120.42	76.10	75.26	0.84	6044.95
MW-3	03/07/97	6120.42	75.42	75.19	0.23	6045.17
MW-3	10/03/00	6120.42	77.12	76.97	0.15	6043.41
MW-3	12/20/00	6120.42	77.00	NR		6043.42
MW-3	01/10/01	6120.42	76.90	NR		6043.52
MW-3	02/19/01	6120.42	77.08	77.06	0.02	6043.35
MW-3	03/05/01	6120.42	77.20	77.17	0.03	6043.24
MW-3	04/02/01	6120.42	77.11	77.09	0.02	6043.32
MW-3	06/05/01	6120.42	77.11	NR		6043.31
MW-3	06/15/01	6120.42	76.50	76.44	0.06	6043.96
MW-3	07/13/01	6120.42	77.17	77.14	0.03	6043.27
MW-3	07/20/01	6120.42	77.14	77.13	0.01	6043.28
MW-3	08/01/01	6120.42	76.47	76.38	0.09	6044.01
MW-3	08/08/01	6120.42	77.15	NR		6043.27
MW-3	08/16/01	6120.42	77.15	NR		6043.27
MW-3	08/20/01	6120.42	77.13	NR		6043.29
MW-3	09/05/01	6120.42	77.08	NR		6043.34
MW-3	09/19/01	6120.42	77.11	NR		6043.31
MW-3	09/26/01	6120.42	77.10	NR		6043.32
MW-3	10/03/01	6120.42	77.08	NR		6043.34
MW-3	10/11/01	6120.42	77.09	NR		6043.33
MW-3	11/21/01	6120.42	77.18	77.15	0.03	6043.26
MW-3	12/13/01	6120.42	77.12	77.10	0.02	6043.31
MW-3	12/21/01	6120.42	76.88	NR		6043.54
MW-3	12/28/01	6120.42	75.99	75.97	0.02	6044.44
MW-3	01/04/02	6120.42	77.03	NR	0.00	6043.39
MW-3	01/07/02	6120.42	77.15	77.14	0.01	6043.27
MW-3	01/23/02	6120.42	76.94	76.93	0.01	6043.48
MW-3	01/31/02	6120.42	77.01	77.00	0.01	6043.41
MW-3	02/07/02	6120.42	77.17	77.16	0.01	6043.25
MW-3	02/14/02	6120.42	77.03	77.02	0.01	6043.39
MW-3	02/20/02	6120.42	77.12	77.11	0.01	6043.30

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	03/06/02	6120.42	76.97	NR		6043.45
MW-3	03/11/02	6120.42	76.94	NR		6043.48
MW-3	03/21/02	6120.42	77.15	NR		6043.27
MW-3	03/28/02	6120.42	77.04	NR		6043.38
MW-3	04/03/02	6120.42	75.99	75.95	0.04	6044.46
MW-3	04/12/02	6120.42	77.15	NR		6043.27
MW-3	04/19/02	6120.42	77.09	NR		6043.33
MW-3	04/25/02	6120.42	77.08	NR		6043.34
MW-3	05/03/02	6120.42	77.18	NR		6043.24
MW-3	05/10/02	6120.42	77.12	NR		6043.30
MW-3	05/17/02	6120.42	77.10	NR		6043.32
MW-3	06/07/02	6120.42	76.07	76.03	0.04	6044.38
MW-3	09/04/02	6120.42	76.33	NR		6044.09
MW-3	12/17/02	6120.42	75.85	75.81	0.04	6044.60
MW-3	03/20/03	6120.42	76.32	76.28	0.04	6044.13
MW-3	06/26/03	6120.42	76.22	76.19	0.03	6044.22
MW-3	09/14/03	6120.42	76.36	76.31	0.05	6044.09
MW-3	12/09/03	6120.42	76.22	76.15	0.07	6044.25
MW-3	03/15/04	6120.42	76.13	76.07	0.06	6044.33
MW-3	06/17/04	6120.42	76.02	75.98	0.04	6044.43
MW-3	09/16/04	6120.42	75.75	75.72	0.03	6044.69
MW-3	12/20/04	6120.42	75.50	75.46	0.04	6044.95
MW-3	03/17/05	6120.42	75.43	75.39	0.04	6045.02
MW-3	06/17/05	6120.42	75.43	ND		6044.99
MW-3	09/15/05	6120.42	75.49	ND		6044.93
MW-3	12/22/05	6120.42	75.51	ND		6044.91
MW-3	03/27/06	6120.42	75.54	ND		6044.88
MW-3	06/19/06	6120.42	75.63	ND		6044.79
MW-3	09/27/06	6120.42	75.88	ND		6044.54
MW-3	12/20/06	6120.42	75.77	ND		6044.65
MW-3	03/28/07	6120.42	75.92	ND		6044.50
MW-3	06/14/07	6120.42	76.29	ND		6044.13
MW-3	09/18/07	6120.42	76.21	ND		6044.21
MW-3	12/17/07	6120.42	75.20	ND		6045.22
MW-3	03/05/08	6120.42	76.10	ND		6044.32
MW-3	06/12/08	6120.42	76.22	ND		6044.20
MW-3	09/08/08	6120.42	76.14	ND		6044.28
MW-3	12/03/08	6120.42	76.23	ND		6044.19
MW-3	03/10/09	6120.42	76.20	ND		6044.22

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	06/03/09	6120.42	76.43	ND		6043.99
MW-3	08/26/09	6120.42	76.38	ND		6044.04
MW-3	11/05/09	6120.42	76.53	ND		6043.89
MW-3	02/11/10	6120.42	76.41	ND		6044.01
MW-3	05/21/10	6120.42	76.60	ND		6043.82
MW-3	09/29/10	6120.42	76.80	ND		6043.62
MW-3	11/02/10	6120.42	76.97	ND		6043.45
MW-3	02/02/11	6120.42	76.85	ND		6043.57
MW-3	05/04/11	6120.42	76.81	ND		6043.61
MW-3	09/29/11	6120.42	76.41	76.39	0.02	6044.02
MW-3	11/11/11	6120.42	76.49	ND		6043.93
MW-3	02/16/12	6120.42	76.33	ND		6044.09
MW-3	05/08/12	6120.42	76.35	ND		6044.07
MW-3	06/07/13	6120.42	76.91	ND		6043.51
MW-3	09/12/13	6120.42	77.10	ND		6043.32
MW-3	12/13/13	6120.42	77.09	ND		6043.33
MW-3	04/05/14	6120.42	77.07	ND		6043.35
MW-3	10/21/14	6120.42	77.24	ND		6043.18
MW-3	05/27/15	6120.42	77.12	ND		6043.30
MW-3	11/22/15	6120.42	77.08	ND		6043.34
MW-3	04/15/16	6120.42	76.73	ND		6043.69
MW-3	10/11/16	6120.42	76.61	76.36	0.25	6043.99
MW-3	06/06/17	6120.42	75.95	ND		6044.47
MW-3	11/10/17	6120.42	75.57	ND		6044.85
MW-3	03/30/18	6120.42	75.46	ND		6044.96
MW-3	05/02/18	6120.42	74.14	ND		6046.28
MW-3	05/18/18	6120.42	75.17	ND		6045.25
MW-3	10/25/18	6120.42	75.55	ND		6044.87
MW-3	05/24/19	6120.42	76.08	ND		6044.34
MW-3	11/13/19	6120.42	76.34	ND		6044.08
MW-4	12/07/95	6121.10	75.81	NR		6045.29
MW-4	12/03/96	6121.10	75.80	75.48	0.32	6045.54
MW-4	03/07/97	6121.10	75.92	NR		6045.18
MW-4	06/05/01	6121.10	76.48	NR		6044.62
MW-4	07/13/01	6121.10	76.59	NR		6044.51
MW-4	08/16/01	6121.10	76.48	NR		6044.62
MW-4	09/10/01	6121.10	76.45	NR		6044.65
MW-4	12/04/01	6121.10	77.29	NR		6043.81

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	01/07/02	6121.10	76.31	76.30	0.01	6044.79
MW-4	01/23/02	6121.10	75.96	75.95	0.01	6045.14
MW-4	01/31/02	6121.10	76.02	76.01	0.01	6045.08
MW-4	02/07/02	6121.10	76.22	76.21	0.01	6044.88
MW-4	02/14/02	6121.10	76.06	76.05	0.01	6045.04
MW-4	02/20/02	6121.10	76.10	76.09	0.01	6045.00
MW-4	05/17/02	6121.10	76.11	NR		6044.99
MW-4	09/04/02	6121.10	76.28	NR		6044.82
MW-4	12/17/02	6121.10	76.04	NR		6045.06
MW-4	06/26/03	6121.10	76.24	ND		6044.86
MW-4	09/14/03	6121.10	76.28	ND		6044.82
MW-4	12/09/03	6121.10	76.07	ND		6045.03
MW-4	03/15/04	6121.10	76.05	ND		6045.05
MW-4	06/17/04	6121.10	75.86	ND		6045.24
MW-4	09/16/04	6121.10	75.54	ND		6045.56
MW-4	12/20/04	6121.10	75.40	ND		6045.70
MW-4	03/17/05	6121.10	75.27	ND		6045.83
MW-4	06/17/05	6121.10	75.32	ND		6045.78
MW-4	09/15/05	6121.10	75.26	ND		6045.84
MW-4	12/22/05	6121.10	75.34	ND		6045.76
MW-4	03/27/06	6121.10	75.31	ND		6045.79
MW-4	06/19/06	6121.10	75.46	ND		6045.64
MW-4	09/27/06	6121.10	75.80	ND		6045.30
MW-4	12/20/06	6121.10	75.70	ND		6045.40
MW-4	03/28/07	6121.10	75.89	ND		6045.21
MW-4	06/14/07	6121.10	76.22	ND		6044.88
MW-4	09/18/07	6121.10	76.27	ND		6044.83
MW-4	12/17/07	6121.10	76.13	ND		6044.97
MW-4	03/05/08	6121.10	75.99	ND		6045.11
MW-4	06/12/08	6121.10	76.03	ND		6045.07
MW-4	09/08/08	6121.10	75.99	ND		6045.11
MW-4	12/03/08	6121.10	76.08	76.04	0.04	6045.05
MW-4	03/10/09	6121.10	76.23	ND		6044.87
MW-4	06/03/09	6121.10	76.30	ND		6044.80
MW-4	08/26/09	6121.10	76.62	ND		6044.48
MW-4	11/05/09	6121.10	76.47	ND		6044.63
MW-4	02/11/10	6121.10	76.32	ND		6044.78
MW-4	05/21/10	6121.10	76.58	ND		6044.52
MW-4	09/29/10	6121.10	76.85	ND		6044.25

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	11/02/10	6121.10	77.07	ND		6044.03
MW-4	02/02/11	6121.10	76.80	ND		6044.30
MW-4	05/04/11	6121.10	76.78	ND		6044.32
MW-4	09/29/11	6121.10	76.27	ND		6044.83
MW-4	11/11/11	6121.10	76.25	ND		6044.85
MW-4	02/16/12	6121.10	76.97	ND		6044.13
MW-4	05/08/12	6121.10	76.03	ND		6045.07
MW-4	06/07/13	6121.10	76.87	ND		6044.23
MW-4	09/12/13	6121.10	77.08	ND		6044.02
MW-4	12/13/13	6121.10	77.11	ND		6043.99
MW-4	04/05/14	6121.10	77.06	ND		6044.04
MW-4	10/21/14	6121.10	77.20	ND		6043.90
MW-4	05/27/15	6121.10	77.12	ND		6043.98
MW-4	11/22/15	6121.10	77.06	ND		6044.04
MW-4	04/15/16	6121.10	76.67	ND		6044.43
MW-4	10/11/16	6121.10	76.30	ND		6044.80
MW-4	06/06/17	6121.10	75.69	ND		6045.41
MW-4	11/10/17	6121.10	75.31	ND		6045.79
MW-4	03/30/18	6121.10	75.08	ND		6046.02
MW-4	05/02/18	6121.10	73.72	ND		6047.38
MW-4	05/18/18	6121.10	74.98	74.78	0.20	6046.27
MW-4	10/25/18	6121.10	75.08	75.07	0.01	6046.02
MW-4	05/24/19	6121.10	75.55	75.33	0.22	6045.71
MW-4	11/13/19	6121.10	75.99	75.86	0.13	6045.20
MW-5	08/30/00	6117.88	74.19	NR		6043.69
MW-5	06/05/01	6117.88	74.26	NR		6043.62
MW-5	07/13/01	6117.88	74.34	NR		6043.54
MW-5	08/16/01	6117.88	74.29	NR		6043.59
MW-5	09/10/01	6117.88	74.30	NR		6043.58
MW-5	05/17/02	6117.88	74.15	NR		6043.73
MW-5	09/04/02	6117.88	74.24	NR		6043.64
MW-5	12/17/02	6117.88	73.78	NR		6044.10
MW-5	06/26/03	6117.88	74.27	ND		6043.61
MW-5	09/14/03	6117.88	74.42	ND		6043.46
MW-5	12/09/03	6117.88	74.25	ND		6043.63
MW-5	03/15/04	6117.88	74.23	ND		6043.65
MW-5	06/17/04	6117.88	74.21	ND		6043.67
MW-5	09/16/04	6117.88	74.00	ND		6043.88

TABLE 2 - GROUNDWATER ELEVATION RESULTS

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

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	10/11/16	6117.88	75.03	74.53	0.50	6043.22
MW-5	06/06/17	6117.88	74.72	ND		6043.16
MW-5	11/10/17	6117.88	74.44	ND		6043.44
MW-5	03/30/18	6117.88	74.37	ND		6043.51
MW-5	05/18/18	6117.88	74.11	ND		6043.77
MW-5	10/25/18	6117.88	74.56	ND		6043.32
MW-5	05/24/19	6117.88	74.92	ND		6042.96
MW-5	11/13/19	6117.88	75.18	ND		6042.70
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	72.09	70.64	1.45	6042.72
MW-6	03/11/02	6113.73	71.95	71.38	0.57	6042.20
MW-6	03/21/02	6113.73	71.44	71.17	0.27	6042.49
MW-6	04/03/02	6113.73	71.06	71.04	0.02	6042.68
MW-6	05/17/02	6113.73	71.04	70.97	0.07	6042.74
MW-6	09/04/02	6113.73	71.28	71.05	0.23	6042.62
MW-6	12/17/02	6113.73	71.06	71.03	0.03	6042.69
MW-6	03/20/03	6113.73	71.43	70.90	0.53	6042.69
MW-6	06/26/03	6113.73	71.66	71.04	0.62	6042.53
MW-6	09/14/03	6113.73	72.25	71.04	1.21	6042.38
MW-6	12/09/03	6113.73	71.75	71.10	0.65	6042.46
MW-6	03/15/04	6113.73	71.74	71.11	0.63	6042.46
MW-6	06/17/04	6113.73	71.68	71.11	0.57	6042.47
MW-6	09/16/04	6113.73	71.79	71.05	0.74	6042.49
MW-6	12/20/04	6113.73	72.09	71.05	1.04	6042.42
MW-6	03/17/05	6113.73	71.79	70.96	0.83	6042.56
MW-6	06/17/05	6113.73	72.05	71.05	1.00	6042.43
MW-6	09/15/05	6113.73	72.14	71.04	1.10	6042.41
MW-6	12/22/05	6113.73	72.22	71.30	0.92	6042.20
MW-6	03/27/06	6113.73	72.10	71.02	1.08	6042.44
MW-6	06/19/06	6113.73	72.33	71.34	0.99	6042.14
MW-6	07/21/06	6113.73	72.44	71.54	0.90	6041.96
MW-6	08/24/06	6113.73	72.42	71.54	0.88	6041.97
MW-6	09/27/06	6113.73	72.37	71.57	0.80	6041.96
MW-6	10/22/06	6113.73	72.35	71.53	0.82	6041.99
MW-6	11/07/06	6113.73	72.43	71.66	0.77	6041.87
MW-6	12/20/06	6113.73	72.41	71.60	0.81	6041.92
MW-6	01/16/07	6113.73	72.45	71.62	0.83	6041.90

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-6	02/26/07	6113.73	72.41	71.65	0.76	6041.89
MW-6	03/26/07	6113.73	72.50	71.76	0.74	6041.78
MW-6	03/28/07	6113.73	72.39	ND		6041.34
MW-6	04/30/07	6113.73	72.49	71.77	0.72	6041.78
MW-6	05/24/07	6113.73	72.50	71.91	0.59	6041.67
MW-6	06/14/07	6113.73	72.42	71.83	0.59	6041.75
MW-6	07/31/07	6113.73	72.49	71.83	0.66	6041.73
MW-6	08/29/07	6113.73	72.47	71.82	0.65	6041.74
MW-6	09/18/07	6113.73	72.43	71.82	0.61	6041.75
MW-6	10/31/07	6113.73	72.40	72.12	0.28	6041.54
MW-6	11/30/07	6113.73	72.27	72.02	0.25	6041.64
MW-6	12/17/07	6113.73	72.18	72.11	0.07	6041.60
MW-6	01/23/08	6113.73	72.13	71.96	0.17	6041.72
MW-6	03/05/08	6113.73	71.95	71.94	0.01	6041.78
MW-6	04/15/08	6113.73	72.09	ND		6041.64
MW-6	05/08/08	6113.73	71.94	ND		6041.79
MW-6	06/12/08	6113.73	72.02	ND		6041.71
MW-6	07/17/08	6113.73	72.07	ND		6041.66
MW-6	08/12/08	6113.73	72.02	ND		6041.71
MW-6	09/08/08	6113.73	71.92	71.91	0.01	6041.81
MW-6	10/09/08	6113.73	71.97	ND		6041.76
MW-6	11/07/08	6113.73	71.98	ND		6041.75
MW-6	12/03/08	6113.73	72.00	ND		6041.73
MW-6	01/16/09	6113.73	72.15	ND		6041.58
MW-6	02/06/09	6113.73	72.09	ND		6041.64
MW-6	03/10/09	6113.73	71.92	ND		6041.81
MW-6	04/01/09	6113.73	71.84	ND		6041.89
MW-6	05/01/09	6113.73	72.00	ND		6041.73
MW-6	06/03/09	6113.73	72.06	ND		6041.67
MW-6	08/26/09	6113.73	73.02	ND		6040.71
MW-6	11/05/09	6113.73	72.18	ND		6041.55
MW-6	02/11/10	6113.73	72.13	ND		6041.60
MW-6	05/21/10	6113.73	72.20	ND		6041.53
MW-6	09/29/10	6113.73	72.15	ND		6041.58
MW-6	11/02/10	6113.73	73.07	ND		6040.66
MW-6	02/02/11	6113.73	72.25	ND		6041.48
MW-6	05/04/11	6113.73	72.32	ND		6041.41
MW-6	09/29/11	6113.73	72.30	ND		6041.43
MW-6	11/11/11	6113.73	72.78	ND		6040.95

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	**Date**	**TOC**	**Depth to Water (ft.)**	**Depth to LNAPL (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
MW-6	02/16/12	6113.73	72.29	ND		6041.44
MW-6	05/08/12	6113.73	72.37	ND		6041.36
MW-6	06/07/13	6113.73	72.51	ND		6041.22
MW-6	09/12/13	6113.73	72.40	ND		6041.33
MW-6	12/13/13	6113.73	72.63	ND		6041.10
MW-6	04/05/14	6113.73	72.64	ND		6041.09
MW-6	10/21/14	6113.73	72.86	ND		6040.87
MW-6	05/27/15	6113.73	72.90	ND		6040.83
MW-6	11/22/15	6113.73	72.97	ND		6040.76
MW-6	04/15/16	6113.73	72.94	ND		6040.79
MW-6	10/11/16	6113.73	73.04	ND		6040.69
MW-6	06/06/17	6113.73	72.75	ND		6040.98
MW-6	11/10/17	6113.73	72.72	ND		6041.01
MW-6	03/30/18	6113.73	72.91	ND		6040.82
MW-6	05/18/18	6113.73	72.60	ND		6041.13
MW-6	10/25/18	6113.73	72.73	ND		6041.00
MW-6	05/24/19	6113.73	72.85	ND		6040.88
MW-6	11/13/19	6113.73	73.08	ND		6040.65
MW-7	12/20/06	6121.89	74.38	ND		6047.51
MW-7	03/28/07	6121.89	74.51	ND		6047.38
MW-7	06/14/07	6121.89	74.47	ND		6047.42
MW-7	09/18/07	6121.89	74.22	ND		6047.67
MW-7	12/17/07	6121.89	74.12	ND		6047.77
MW-7	03/05/08	6121.89	73.90	ND		6047.99
MW-7	04/15/08	6121.89	72.82	ND		6049.07
MW-7	06/12/08	6121.89	73.77	ND		6048.12
MW-7	09/08/08	6121.89	73.76	73.75	0.01	6048.13
MW-7	12/03/08	6121.89	73.92	ND		6047.97
MW-7	03/10/09	6121.89	73.83	ND		6048.06
MW-7	06/03/09	6121.89	73.85	ND		6048.04
MW-7	08/25/09	6121.89	NA	NA		0.00
MW-7	08/26/09	6121.89	73.63	ND		6048.26
MW-7	11/05/09	6121.89	73.92	ND		6047.97
MW-7	02/11/10	6121.89	73.91	ND		6047.98
MW-7	05/21/10	6121.89	74.28	ND		6047.61
MW-7	09/29/10	6121.89	74.57	ND		6047.32
MW-7	11/02/10	6121.89	74.76	ND		6047.13
MW-7	02/02/11	6121.89	73.95	ND		6047.94

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	**Date**	**TOC**	**Depth to Water (ft.)**	**Depth to LNAPL (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
MW-7	05/04/11	6121.89	73.00	ND		6048.89
MW-7	09/29/11	6121.89	71.93	ND		6049.96
MW-7	11/11/11	6121.89	71.90	ND		6049.99
MW-7	02/16/12	6121.89	71.85	ND		6050.04
MW-7	05/08/12	6121.89	72.94	ND		6048.95
MW-7	06/07/13	Well Destroyed				
MW-9	12/20/06	6109.56	67.56	ND		6042.00
MW-9	03/28/07	6109.56	67.72	ND		6041.84
MW-9	06/14/07	6109.56	67.97	ND		6041.59
MW-9	09/18/07	6109.56	68.10	ND		6041.46
MW-9	12/17/07	6109.56	68.07	ND		6041.49
MW-9	03/05/08	6109.56	68.04	ND		6041.52
MW-9	04/15/08	6109.56	68.03	ND		6041.53
MW-9	06/12/08	6109.56	68.27	ND		6041.29
MW-9	09/08/08	6109.56	68.25	ND		6041.31
MW-9	12/03/08	6109.56	68.26	ND		6041.30
MW-9	03/10/09	6109.56	68.28	ND		6041.28
MW-9	06/03/09	6109.56	68.44	ND		6041.12
MW-9	08/26/09	6109.56	68.40	ND		6041.16
MW-9	11/05/09	6109.56	68.62	ND		6040.94
MW-9	02/11/10	6109.56	68.30	ND		6041.26
MW-9	05/21/10	6109.56	68.42	ND		6041.14
MW-9	09/29/10	6109.56	68.47	ND		6041.09
MW-9	11/02/10	6109.56	68.73	ND		6040.83
MW-9	02/02/11	6109.56	68.60	ND		6040.96
MW-9	05/04/11	6109.56	68.74	ND		6040.82
MW-9	09/29/11	6109.56	68.67	ND		6040.89
MW-9	11/11/11	6109.56	68.65	ND		6040.91
MW-9	02/16/12	6109.56	68.60	ND		6040.96
MW-9	05/08/12	6109.56	68.62	ND		6040.94
MW-9	06/07/13	6109.56	68.99	ND		6040.57
MW-9	09/12/13	6109.56	69.18	ND		6040.38
MW-9	12/13/13	6109.56	69.04	ND		6040.52
MW-9	04/05/14	6109.56	69.02	ND		6040.54
MW-9	10/21/14	6109.56	69.30	ND		6040.26
MW-9	05/27/15	6109.56	69.44	ND		6040.12
MW-9	11/22/15	6109.56	69.58	ND		6039.98
MW-9	04/15/16	6109.56	69.44	ND		6040.12

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-9	10/11/16	6109.56	69.34	ND		6040.22
MW-9	06/06/17	6109.56	69.36	ND		6040.20
MW-9	11/10/17	6109.56	69.34	ND		6040.22
MW-9	03/30/18	6109.56	69.38	ND		6040.18
MW-9	05/18/18	6109.56	69.15	ND		6040.41
MW-9	10/25/18	6109.56	69.39	ND		6040.17
MW-9	05/24/19	6109.56	69.61	ND		6039.95
MW-9	11/13/19	6109.56	69.69	ND		6039.87
MW-10	05/27/15	6123.78	71.94	71.78	0.16	6051.96
MW-10	11/22/15	6123.78	71.29	71.11	0.18	6052.63
MW-10	04/15/16	6123.78	70.62	ND		6053.16
MW-10	10/11/16	6123.78	69.85	ND		6053.93
MW-10	06/06/17	6123.78	68.99	ND		6054.79
MW-10	11/10/17	6123.78	68.44	ND		6055.34
MW-10	03/30/18	6124.78	68.85	ND		6055.93
MW-10	05/02/18	6124.78	68.74	ND		6056.04
MW-10	05/18/18	6123.78	68.77	ND		6055.01
MW-10	10/25/18	6123.78	69.42	ND		6054.36
MW-10	05/24/19	6123.78	70.22	ND		6053.56
MW-10	11/13/19	6123.78	70.17	ND		6053.61
MW-11	05/27/15	6121.55	75.02	75.01	0.01	6046.54
MW-11	11/22/15	6121.55	74.61	74.59	0.02	6046.96
MW-11	04/15/16	6121.55	75.11	74.33	0.78	6047.03
MW-11	10/11/16	6121.55	73.79	73.66	0.13	6047.86
MW-11	06/06/17	6123.78	73.03	ND		6050.75
MW-11	11/10/17	6123.78	72.91	ND		6050.87
MW-11	03/30/18	6124.78	72.32	ND		6052.46
MW-11	05/02/18	6124.78	72.35	ND		6052.43
MW-11	05/18/18	6123.78	72.10	ND		6051.68
MW-11	10/25/18	6121.55	72.55	ND		6049.00
MW-11	05/24/19	6121.55	73.10	ND		6048.45
MW-11	11/13/19	6121.55	73.48	ND		6048.07
MW-12	05/27/15	6118.17	86.28	ND		6031.89
MW-12	11/22/15	6118.17	85.20	ND		6032.97
MW-12	04/15/16	6118.17	84.49	ND		6033.68
MW-12	10/11/16	6118.17	83.46	ND		6034.71

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-12	06/06/17	6118.17	82.13	ND		6036.04
MW-12	11/10/17	6118.17	81.34	ND		6036.83
MW-12	03/30/18	6118.17	80.55	ND		6037.62
MW-12	05/18/18	6118.17	80.30	ND		6037.87
MW-12	10/25/18	6118.17	79.40	ND		6038.77
MW-12	05/24/19	6118.17	78.95	ND		6039.22
MW-12	11/13/19	6118.17	78.25	ND		6039.92
MW-13	05/27/15	6115.52	83.66	ND		6031.86
MW-13	11/22/15	6115.52	81.40	ND		6034.12
MW-13	04/15/16	6115.52	80.14	ND		6035.38
MW-13	10/11/16	6115.52	79.19	ND		6036.33
MW-13	06/06/17	6115.52	78.03	ND		6037.49
MW-13	11/10/17	6115.52	77.66	ND		6037.86
MW-13	03/30/18	6115.52	77.55	ND		6037.97
MW-13	05/18/18	6115.52	77.72	ND		6037.80
MW-13	10/25/18	6115.52	77.49	ND		6038.03
MW-13	05/24/19	6115.52	77.51	ND		6038.01
MW-13	11/13/19	6115.52	77.44	ND		6038.08
MW-14	05/27/15	6111.92	71.41	ND		6040.51
MW-14	11/22/15	6111.92	71.45	ND		6040.47
MW-14	04/15/16	6111.92	71.26	ND		6040.66
MW-14	10/11/16	6111.92	71.22	ND		6040.70
MW-14	06/06/17	6111.92	71.04	ND		6040.88
MW-14	11/10/17	6111.92	70.90	ND		6041.02
MW-14	03/30/18	6111.92	70.93	ND		6040.99
MW-14	05/18/18	6111.92	70.66	ND		6041.26
MW-14	10/25/18	6111.92	70.95	ND		6040.97
MW-14	05/24/19	6111.92	71.20	ND		6040.72
MW-15	05/27/15	6110.93	70.42	ND		6040.51
MW-15	11/22/15	6110.93	70.56	ND		6040.37
MW-15	04/15/16	6110.93	70.41	ND		6040.52
MW-15	10/11/16	6110.93	70.38	ND		6040.55
MW-15	06/06/17	6110.93	70.36	ND		6040.57
MW-15	11/10/17	6110.93	70.31	ND		6040.62
MW-15	03/30/18	6110.93	70.35	ND		6040.58
MW-15	05/18/18	6110.93	70.13	ND		6040.80

TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-15	10/25/18	6110.93	70.34	ND		6040.59
MW-15	05/24/19	6110.93	70.59	ND		6040.34
MW-15	11/13/19	6110.93	70.55	ND		6040.38
MW-16	05/27/15	6113.78	72.66	ND		6041.12
MW-16	11/22/15	6113.78	72.79	ND		6040.99
MW-16	04/15/16	6113.78	72.69	ND		6041.09
MW-16	10/11/16	6113.78	72.84	ND		6040.94
MW-16	06/06/17	6113.78	72.58	ND		6041.20
MW-16	11/10/17	6113.78	72.53	ND		6041.25
MW-16	03/30/18	6113.78	72.46	ND		6041.32
MW-16	05/18/18	6113.78	72.36	ND		6041.42
MW-16	10/25/18	6113.78	72.56	ND		6041.22
MW-16	05/24/19	6113.78	72.73	ND		6041.05
MW-16	11/13/19	6113.78	72.90	ND		6040.88
MW-17	05/27/15	6117.30	85.94	ND		6031.36
MW-17	11/22/15	6117.30	84.77	ND		6032.53
MW-17	04/15/16	6117.30	84.18	ND		6033.12
MW-17	10/11/16	6117.30	83.42	ND		6033.88
MW-17	06/06/17	6117.30	82.48	ND		6034.82
MW-17	11/10/17	6117.30	81.87	ND		6035.43
MW-17	03/30/18	6117.30	81.38	ND		6035.92
MW-17	05/18/18	6117.30	80.16	ND		6037.14
MW-17	10/25/18	6117.30	80.56	ND		6036.74
MW-17	05/24/19	6117.30	80.50	ND		6036.80
MW-17	11/13/19	6117.30	80.09	ND		6037.21
MW-18	05/27/15	6121.16	77.74	ND		6043.42
MW-18	11/22/15	6121.16	77.70	ND		6043.46
MW-18	04/15/16	6121.16	77.52	ND		6043.64
MW-18	10/11/16	6121.16	77.54	ND		6043.62
MW-18	06/06/17	6121.16	77.01	ND		6044.15
MW-18	11/10/17	6121.16	76.83	ND		6044.33
MW-18	03/30/18	6121.16	76.66	ND		6044.50
MW-18	05/18/18	6121.16	76.47	ND		6044.69
MW-18	10/25/18	6121.16	76.47	ND		6044.69
MW-18	05/24/19	6121.16	76.41	ND		6044.75
MW-18	11/13/19	6121.16	76.67	ND		6044.49

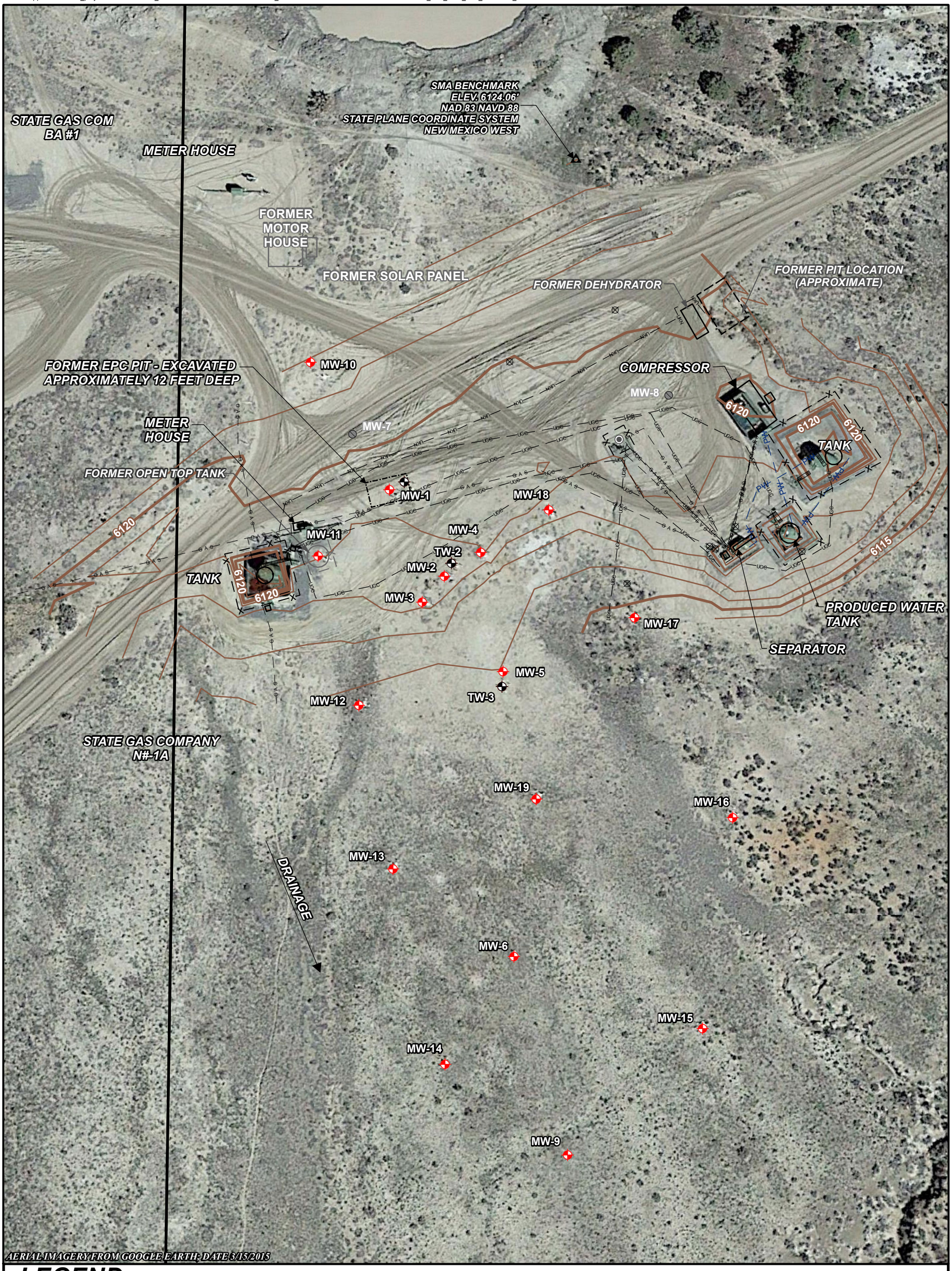
TABLE 2 - GROUNDWATER ELEVATION RESULTS

State Gas Com N#1						
Location	**Date**	**TOC**	**Depth to Water (ft.)**	**Depth to LNAPL (ft.)**	**LNAPL Thickness (ft.)**	**GW Elevation (ft.)**
MW-19	05/27/15	6115.44	73.76	ND		6041.68
MW-19	11/22/15	6115.44	73.82	ND		6041.62
MW-19	04/15/16	6115.44	73.67	ND		6041.77
MW-19	10/11/16	6115.44	73.76	ND		6041.68
MW-19	06/06/17	6115.44	73.29	ND		6042.15
MW-19	11/10/17	6115.44	73.12	ND		6042.32
MW-19	03/30/18	6115.44	73.05	ND		6042.39
MW-19	05/18/18	6115.44	72.82	ND		6042.62
MW-19	10/25/18	6115.44	73.22	ND		6042.22
MW-19	05/24/19	6115.44	73.40	ND		6042.04
MW-19	11/13/19	6115.44	73.68	ND		6041.76
TW-1	11/10/17	6121.98	71.84	ND		6050.14
TW-1	05/18/18	6121.98	71.75	ND		6050.23
TW-1	10/25/18	6121.98	72.09	ND		6049.89
TW-1	05/24/19	6121.98	73.14	72.90	0.24	6049.02
TW-1	11/13/19	6121.98	73.08	ND		6048.90
TW-2	11/10/17	6120.97	78.50	ND		6042.47
TW-2	05/18/18	6120.97	77.66	ND		6043.31
TW-2	10/25/18	6120.97	75.30	ND		6045.67
TW-2	05/24/19	6120.97	75.53	ND		6045.44
TW-2	11/13/19	6120.97	75.80	ND		6045.17
TW-3	11/10/17	6117.84	86.03	ND		6031.81
TW-3	05/18/18	6117.84	76.35	ND		6041.49
TW-3	10/25/18	6117.84	74.74	ND		6043.10
TW-3	05/24/19	6117.84	75.01	ND		6042.83
TW-3	11/13/19	6117.84	73.20	ND		6044.64

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

\\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
	2/6/2020	SLG	SLG	SV

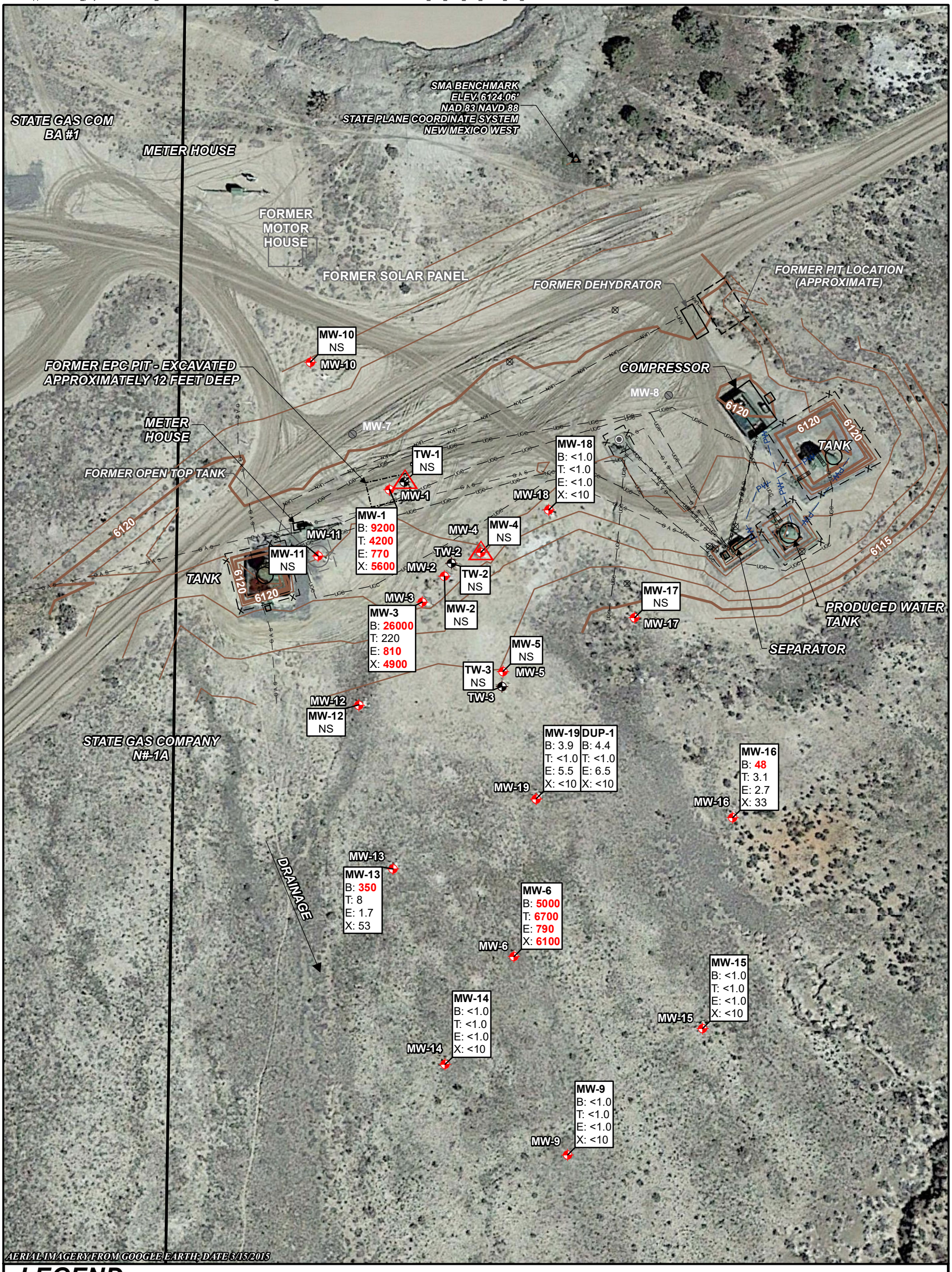
TITLE: **SITE PLAN**

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

Stantec

Figure No.: **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_GARM_1SA_2019.mxd



AERIAL IMAGERY FROM GOOGLE EARTH; DATE 3/15/2015

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 MEASUREABLE FREE PRODUCT
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

NOTES:

DUP = FIELD DUPLICATE SAMPLE

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE**/RED TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<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
	2/6/2020	SLG	SLG	SV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 24, 2019

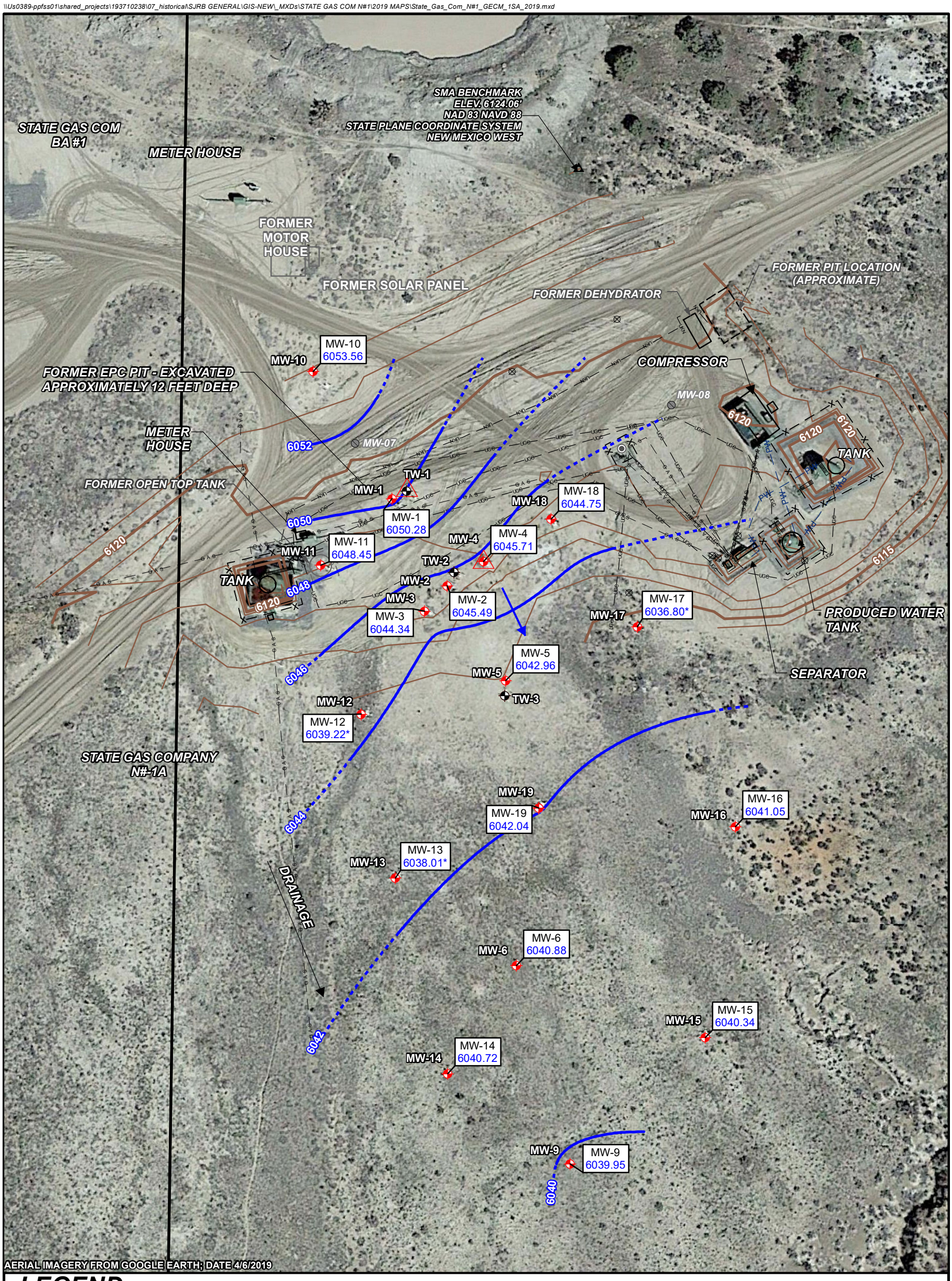
PROJECT:

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

Stantec

Figure No.: **2**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\STATE GAS COM N#1\2019 MAPS\State_Gas_Com_N#1_GECM_1SA_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
- MONITORING WELL WITH MEASUREABLE FREE PRODUCT
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

NOTES:

6039.98 — GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT 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

* MONITORING WELLS MW-12, MW-13, AND MW-17 WERE NOT USED FOR GROUNDWATER CONTOURING DUE TO ANOMALOUS MEASUREMENTS.

N

SCALE IN FEET
0 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/6/2020	SLG	SLG	SV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 24, 2019

PROJECT:

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

Stantec

Figure No.: 3

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\STATE GAS COM N#1\2019 MAPS\State_Gas_Com_N#1_GARM_2SA_2019.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)

FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP

COMPRESSOR

METER HOUSE

FORMER OPEN TOP TANK

TANK

PRODUCED WATER TANK

SEPARATOR

STATE GAS COMPANY N#-1A

DRAINAGE

MW-10
NS

MW-1
B: 8300
T: 4700
E: 770
X: 5700

TW-1
NS

MW-18
B: 220
T: 3.1
E: 2.9
X: 15

MW-2
B: 11000
T: 1900
E: 540
X: 5800

TW-2
NS

MW-4
NS

MW-11
NS

MW-17
B: 2
T: <1.0
E: <1.0
X: <10

MW-3
B: 22000
T: 140
E: 620
X: 3400

MW-5
B: 9600
T: <50
E: 900
X: 820

MW-12
B: 14
T: <1.0
E: 4.6
X: <10

TW-3
NS

MW-16
B: 150
T: 1.7
E: <1.0
X: 11

MW-19
B: 4.3
T: <1.0
E: 4.8
X: <10

MW-13
B: 36
T: 2.2
E: <1.0
X: <10

MW-6
B: 2900
T: 4500
E: 490
X: 4000

DUP-1
B: 3900
T: 7000
E: 710
X: 5700

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

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

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

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

AERIAL IMAGERY FROM GOOGLE EARTH; DATE 3/15/2015

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 MEASUREABLE FREE PRODUCT
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- TEST WELL

NOTES:

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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
	2/18/2020	SLG	SLG	SV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 13, 2019

PROJECT:

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

Stantec

Figure No.: **4**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\STATE GAS COM N#1\2019 MAPS\State_Gas_Com_N#1_GECM_2SA_2019.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
6053.61
MW-10

FORMER EPC PIT - EXCAVATED APPROXIMATELY 12 FEET DEEP

COMPRESSOR

MW-08

6053

METER HOUSE

MW-07

6120

6120

6120

TANK

6051

FORMER OPEN TOP TANK

MW-1
MW-1
6050.29

TW-1

MW-4
6045.20
MW-4

MW-18
MW-18
6044.49

6049

MW-11
6048.07
MW-11

MW-2
6045.07
MW-2

TW-2

TANK

6120

6120

6047

MW-3
MW-3
6044.07

6115

PRODUCED WATER TANK

MW-17
MW-17
6037.21*

MW-5
MW-5
6042.70

TW-3

SEPARATOR

MW-12
6039.92*
MW-12

6045

STATE GAS COMPANY N#-1A

MW-19
6041.76
MW-19

MW-16
6040.88
MW-16

MW-13
6038.08*
MW-13

DRAINAGE

6045

MW-6
MW-6
6040.65

MW-15
MW-15
6040.38

MW-14
6040.64
MW-14

MW-9

MW-9
6039.87

6041

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

LEGEND:

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

NOTES:

6039.98 — GROUNDWATER ELEVATION (CORRECTED FOR PRODUCT 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

* MONITORING WELLS MW-12, MW-13, AND MW-17 WERE NOT USED FOR GROUNDWATER CONTOURING DUE TO ANOMALOUS MEASUREMENTS.

N

SCALE IN FEET
0 50 100

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/18/2020	SLG	SLG	SV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 13, 2019

PROJECT:

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

Stantec

Figure No.: **5**

APPENDICES

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – MAY 24, 2019 GROUNDWATER SAMPLING ANALYTICAL REPORT

NOVEMBER 13, 2019 GROUNDWATER SAMPLING ANALYTICAL REPORT

APPENDIX A

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: Friday, May 3, 2019 12:03:07 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	NMOCD Case #	Sample Date
Canada Mesa #2	3RP-155-0	5/21/2019
Fields A#7A	3RP-170-0	5/23/2019
Fogelson 4-1	3RP-068-0	5/23/2019
Gallegos Canyon Unit #124E	3RP-407-0	5/20/2019
GCU Com A #142E	3RP-179-0	5/20/2019
James F. Bell #1E	3RP-196-0	5/20/2019
Johnston Fed #4	3RP-201-0	5/22/2019
Johnston Fed #6A	3RP-202-0	5/22/2019
K27 LDO72	3RP-204-0	5/21/2019
Knight #1	3RP-207-0	5/20/2019
Lateral L 40 Line Drip	3RP-212-0	5/24/2019
Miles Fed #1A	3RP-223-0	5/21/2019
Sandoval GC A #1A	3RP-235-0	5/22/2019
Standard Oil Com #1	3RP-238-0	5/21/2019
State Gas Com N #1	3RP-239-0	5/23/2019

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, November 06, 2019 8:08:53 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	NMOCD Case #	Sample Date
Canada Mesa #2	3RP-155-0	11/10/2019
Fields A#7A	3RP-170-0	11/13/2019
Fogelson 4-1	3RP-068-0	11/13/2019
Gallegos Canyon Unit #124E	3RP-407-0	11/11/2019
GCU Com A #142E	3RP-179-0	11/11/2019
James F. Bell #1E	3RP-196-0	11/11/2019
Johnston Fed #4	3RP-201-0	11/12/2019
Johnston Fed #6A	3RP-202-0	11/12/2019
K27 LDO72	3RP-204-0	11/10/2019
Knight #1	3RP-207-0	11/14/2019
Lateral L 40 Line Drip	3RP-212-0	11/14/2019
Miles Fed #1A	3RP-223-0	11/10/2019
Sandoval GC A #1A	3RP-235-0	11/12/2019
Standard Oil Com #1	3RP-238-0	11/10/2019
State Gas Com N #1	3RP-239-0	11/13/2019

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. 764867
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 05/27/19
DEL. TKT#.
GENERATOR: El Paso CGP
BILL TO: El Paso CGP
HAULING CO. Stantec elpaso
DRIVER: Sarah C
(Print Full Name)
ORDERED BY: Joe W
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		Johnston Federal #4						
2		Johnston Federal #6						
3		Sandoval GC A #1A						
4		Fields A #7A						
5		State Gas COM #1						

I, Sarah [illegible] representitive or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt Oil field wastes.

☑ Approved ☐ Denied ATTENDANT SIGNATURE [signature]

SAN JUAN PRINTING 0818018B

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. 779797
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-14-19 DEL. TKT#.

GENERATOR: Slantech BILL TO: Slantech

HAULING CO. Slantech DRIVER:
(Print Full Name)

ORDERED BY: JOSEPH 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	7	Johnston Fed 4	1	70			70	
2		Fed GA, Sandoval, Fields, Rogelson, State Gas Com, Cat Leo, Wright						
3								
4								
5								

I, _____ representitive or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt Oil field wastes.

☐ Approved ☐ Denied ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 0818018B

APPENDIX C

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 400-170842-1
Client Project/Site: ElPaso CGP Company - State Gas Com N#1

For:
Stantec Consulting Services Inc
1560 Broadway
Suite 1800
Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Carol M Webb

Authorized for release by:
6/7/2019 4:04:51 PM

Carol Webb, Project Manager II
(850)471-6250
carol.webb@testamericainc.com

Table of Contents

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Job ID: 400-170842-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-170842-1

Comments
No additional comments.

Receipt
The samples were received on 5/29/2019 8:46 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.1° C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-170842-1), MW-3 (400-170842-2), MW-6 (400-170842-3) and MW-13 (400-170842-5). 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
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-1 — Lab Sample ID: 400-170842-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	9200		50		ug/L	50		8260C	Total/NA
Toluene	4200		50		ug/L	50		8260C	Total/NA
Ethylbenzene	770		50		ug/L	50		8260C	Total/NA
Xylenes, Total	5600		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 400-170842-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	26000		100		ug/L	100		8260C	Total/NA
Toluene	220		100		ug/L	100		8260C	Total/NA
Ethylbenzene	810		100		ug/L	100		8260C	Total/NA
Xylenes, Total	4900		1000		ug/L	100		8260C	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-170842-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	5000		50		ug/L	50		8260C	Total/NA
Toluene	6700		50		ug/L	50		8260C	Total/NA
Ethylbenzene	790		50		ug/L	50		8260C	Total/NA
Xylenes, Total	6100		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-170842-4

No Detections.

Client Sample ID: MW-13 — Lab Sample ID: 400-170842-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	8.0		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	1.7		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	53		10		ug/L	1		8260C	Total/NA
Benzene - DL	350		2.0		ug/L	2		8260C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 400-170842-6

No Detections.

Client Sample ID: MW-15 — Lab Sample ID: 400-170842-7

No Detections.

Client Sample ID: MW-16 — Lab Sample ID: 400-170842-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	48		1.0		ug/L	1		8260C	Total/NA
Toluene	3.1		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	2.7		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	33		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-18 — Lab Sample ID: 400-170842-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-19
Lab Sample ID: 400-170842-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	3.9		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	5.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: DUP-1
Lab Sample ID: 400-170842-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	4.4		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	6.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-170842-12

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-170842-1	MW-1	Water	05/24/19 15:30	05/29/19 08:46	
400-170842-2	MW-3	Water	05/24/19 16:00	05/29/19 08:46	
400-170842-3	MW-6	Water	05/24/19 14:10	05/29/19 08:46	
400-170842-4	MW-9	Water	05/24/19 13:30	05/29/19 08:46	
400-170842-5	MW-13	Water	05/24/19 14:00	05/29/19 08:46	
400-170842-6	MW-14	Water	05/24/19 13:35	05/29/19 08:46	
400-170842-7	MW-15	Water	05/24/19 13:40	05/29/19 08:46	
400-170842-8	MW-16	Water	05/24/19 14:05	05/29/19 08:46	
400-170842-9	MW-18	Water	05/24/19 14:30	05/29/19 08:46	
400-170842-10	MW-19	Water	05/24/19 13:50	05/29/19 08:46	
400-170842-11	DUP-1	Water	05/24/19 13:50	05/29/19 08:46	
400-170842-12	TRIP BLANK	Water	05/24/19 13:10	05/29/19 08:46	

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-1
Lab Sample ID: 400-170842-1
Date Collected: 05/24/19 15:30
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9200**		50		ug/L			05/31/19 14:09	50
Toluene	**4200**		50		ug/L			05/31/19 14:09	50
Ethylbenzene	**770**		50		ug/L			05/31/19 14:09	50
Xylenes, Total	**5600**		500		ug/L			05/31/19 14:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/31/19 14:09*	*50*
Dibromofluoromethane	*103*		*81 - 121*		*05/31/19 14:09*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/31/19 14:09*	*50*
1,2-Dichloroethane-d4 (Surr)	*98*		*67 - 134*		*05/31/19 14:09*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-3
Lab Sample ID: 400-170842-2
Date Collected: 05/24/19 16:00
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**26000**		100		ug/L			05/31/19 15:01	100
Toluene	**220**		100		ug/L			05/31/19 15:01	100
Ethylbenzene	**810**		100		ug/L			05/31/19 15:01	100
Xylenes, Total	**4900**		1000		ug/L			05/31/19 15:01	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/31/19 15:01*	*100*
Dibromofluoromethane	*103*		*81 - 121*		*05/31/19 15:01*	*100*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/31/19 15:01*	*100*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*		*05/31/19 15:01*	*100*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-6
Lab Sample ID: 400-170842-3

Date Collected: 05/24/19 14:10
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5000**		50		ug/L			05/31/19 14:35	50
Toluene	**6700**		50		ug/L			05/31/19 14:35	50
Ethylbenzene	**790**		50		ug/L			05/31/19 14:35	50
Xylenes, Total	**6100**		500		ug/L			05/31/19 14:35	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/31/19 14:35*	*50*
Dibromofluoromethane	*103*		*81 - 121*		*05/31/19 14:35*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/31/19 14:35*	*50*
1,2-Dichloroethane-d4 (Surr)	*95*		*67 - 134*		*05/31/19 14:35*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-9
Lab Sample ID: 400-170842-4
Date Collected: 05/24/19 13:30
Matrix: Water
Date Received: 05/29/19 08:46

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			05/31/19 10:41	1
Toluene	<1.0		1.0		ug/L			05/31/19 10:41	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/19 10:41	1
Xylenes, Total	<10		10		ug/L			05/31/19 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/31/19 10:41*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*05/31/19 10:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/31/19 10:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*67 - 134*		*05/31/19 10:41*	*1*

Client Sample ID: MW-13
Lab Sample ID: 400-170842-5

Date Collected: 05/24/19 14:00
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**8.0**		1.0		ug/L			05/31/19 11:07	1
Ethylbenzene	**1.7**		1.0		ug/L			05/31/19 11:07	1
Xylenes, Total	**53**		10		ug/L			05/31/19 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/31/19 11:07*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*05/31/19 11:07*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/31/19 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*67 - 134*		*05/31/19 11:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350**		2.0		ug/L			05/31/19 15:26	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/31/19 15:26*	*2*
Dibromofluoromethane	*101*		*81 - 121*		*05/31/19 15:26*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/31/19 15:26*	*2*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*		*05/31/19 15:26*	*2*

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-14
Lab Sample ID: 400-170842-6
Date Collected: 05/24/19 13:35
Matrix: Water
Date Received: 05/29/19 08:46

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			05/31/19 11:33	1
Toluene	<1.0		1.0		ug/L			05/31/19 11:33	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/19 11:33	1
Xylenes, Total	<10		10		ug/L			05/31/19 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*05/31/19 11:33*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*05/31/19 11:33*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/31/19 11:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*67 - 134*		*05/31/19 11:33*	*1*

Client Sample ID: MW-15
Lab Sample ID: 400-170842-7

Date Collected: 05/24/19 13:40
Matrix: Water
Date Received: 05/29/19 08:46

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			05/31/19 11:59	1
Toluene	<1.0		1.0		ug/L			05/31/19 11:59	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/19 11:59	1
Xylenes, Total	<10		10		ug/L			05/31/19 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/31/19 11:59*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*05/31/19 11:59*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/31/19 11:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*		*05/31/19 11:59*	*1*

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-16
Lab Sample ID: 400-170842-8
Date Collected: 05/24/19 14:05
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	48		1.0		ug/L			05/31/19 12:25	1
Toluene	3.1		1.0		ug/L			05/31/19 12:25	1
Ethylbenzene	2.7		1.0		ug/L			05/31/19 12:25	1
Xylenes, Total	33		10		ug/L			05/31/19 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/31/19 12:25*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*05/31/19 12:25*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/31/19 12:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*67 - 134*		*05/31/19 12:25*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-18
Lab Sample ID: 400-170842-9
Date Collected: 05/24/19 14:30
Matrix: Water
Date Received: 05/29/19 08:46

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			05/31/19 12:51	1
Toluene	<1.0		1.0		ug/L			05/31/19 12:51	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/19 12:51	1
Xylenes, Total	<10		10		ug/L			05/31/19 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/31/19 12:51*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*05/31/19 12:51*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/31/19 12:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*		*05/31/19 12:51*	*1*

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-19
Lab Sample ID: 400-170842-10
Date Collected: 05/24/19 13:50
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.9**		1.0		ug/L			05/31/19 13:17	1
Toluene	<1.0		1.0		ug/L			05/31/19 13:17	1
Ethylbenzene	**5.5**		1.0		ug/L			05/31/19 13:17	1
Xylenes, Total	<10		10		ug/L			05/31/19 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*05/31/19 13:17*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*05/31/19 13:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/31/19 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*		*05/31/19 13:17*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: DUP-1
Lab Sample ID: 400-170842-11
Date Collected: 05/24/19 13:50
Matrix: Water
Date Received: 05/29/19 08:46

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.4**		1.0		ug/L			05/31/19 13:43	1
Toluene	<1.0		1.0		ug/L			05/31/19 13:43	1
Ethylbenzene	**6.5**		1.0		ug/L			05/31/19 13:43	1
Xylenes, Total	<10		10		ug/L			05/31/19 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/31/19 13:43*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*05/31/19 13:43*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/31/19 13:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*67 - 134*		*05/31/19 13:43*	*1*

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-170842-12
Date Collected: 05/24/19 13:10
Matrix: Water
Date Received: 05/29/19 08:46

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			05/31/19 10:15	1
Toluene	<1.0		1.0		ug/L			05/31/19 10:15	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/19 10:15	1
Xylenes, Total	<10		10		ug/L			05/31/19 10:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*05/31/19 10:15*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*05/31/19 10:15*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/31/19 10:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*67 - 134*		*05/31/19 10:15*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

GC/MS VOA

Analysis Batch: 442761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-170842-1	MW-1	Total/NA	Water	8260C	
400-170842-2	MW-3	Total/NA	Water	8260C	
400-170842-3	MW-6	Total/NA	Water	8260C	
400-170842-4	MW-9	Total/NA	Water	8260C	
400-170842-5	MW-13	Total/NA	Water	8260C	
400-170842-5 - DL	MW-13	Total/NA	Water	8260C	
400-170842-6	MW-14	Total/NA	Water	8260C	
400-170842-7	MW-15	Total/NA	Water	8260C	
400-170842-8	MW-16	Total/NA	Water	8260C	
400-170842-9	MW-18	Total/NA	Water	8260C	
400-170842-10	MW-19	Total/NA	Water	8260C	
400-170842-11	DUP-1	Total/NA	Water	8260C	
400-170842-12	TRIP BLANK	Total/NA	Water	8260C	
MB 400-442761/4	Method Blank	Total/NA	Water	8260C	
LCS 400-442761/1002	Lab Control Sample	Total/NA	Water	8260C	
400-170842-4 MS	MW-9	Total/NA	Water	8260C	
400-170842-4 MSD	MW-9	Total/NA	Water	8260C	

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

Lab Sample ID: MB 400-442761/4
Matrix: Water
Analysis Batch: 442761

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			05/31/19 09:49	1
Toluene	<1.0		1.0		ug/L			05/31/19 09:49	1
Ethylbenzene	<1.0		1.0		ug/L			05/31/19 09:49	1
Xylenes, Total	<10		10		ug/L			05/31/19 09:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*05/31/19 09:49*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*05/31/19 09:49*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/31/19 09:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*67 - 134*		*05/31/19 09:49*	*1*

Lab Sample ID: LCS 400-442761/1002
Matrix: Water
Analysis Batch: 442761

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	51.7		ug/L		103	70 - 130		
Toluene			50.0	48.4		ug/L		97	70 - 130		
Ethylbenzene			50.0	49.1		ug/L		98	70 - 130		
Xylenes, Total			100	94.9		ug/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*

Lab Sample ID: 400-170842-4 MS
Matrix: Water
Analysis Batch: 442761

Client Sample ID: MW-9
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	49.9		ug/L		100	56 - 142		
Toluene	<1.0		50.0	46.1		ug/L		92	65 - 130		
Ethylbenzene	<1.0		50.0	45.5		ug/L		91	58 - 131		
Xylenes, Total	<10		100	88.5		ug/L		89	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*83*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

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

Lab Sample ID: 400-170842-4 MSD
Client Sample ID: MW-9
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 442761

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	48.4		ug/L		97	56 - 142	3	30
Toluene	<1.0		50.0	43.1		ug/L		86	65 - 130	7	30
Ethylbenzene	<1.0		50.0	41.7		ug/L		83	58 - 131	9	30
Xylenes, Total	<10		100	80.7		ug/L		81	59 - 130	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*67 - 134*

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-1
Lab Sample ID: 400-170842-1
Date Collected: 05/24/19 15:30
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 14:09	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-3
Lab Sample ID: 400-170842-2
Date Collected: 05/24/19 16:00
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 15:01	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-6
Lab Sample ID: 400-170842-3
Date Collected: 05/24/19 14:10
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 14:35	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-9
Lab Sample ID: 400-170842-4
Date Collected: 05/24/19 13:30
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 10:41	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-13
Lab Sample ID: 400-170842-5
Date Collected: 05/24/19 14:00
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 11:07	RS	TAL PEN
	Instrument ID: CH_CONAN									
Total/NA	Analysis	8260C	DL	2	5 mL	5 mL	442761	05/31/19 15:26	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-14
Lab Sample ID: 400-170842-6
Date Collected: 05/24/19 13:35
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 11:33	RS	TAL PEN
	Instrument ID: CH_CONAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

Client Sample ID: MW-15
Lab Sample ID: 400-170842-7
Date Collected: 05/24/19 13:40
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 11:59	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-16
Lab Sample ID: 400-170842-8
Date Collected: 05/24/19 14:05
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 12:25	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-18
Lab Sample ID: 400-170842-9
Date Collected: 05/24/19 14:30
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 12:51	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-19
Lab Sample ID: 400-170842-10
Date Collected: 05/24/19 13:50
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 13:17	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: DUP-1
Lab Sample ID: 400-170842-11
Date Collected: 05/24/19 13:50
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 13:43	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-170842-12
Date Collected: 05/24/19 13:10
Matrix: Water
Date Received: 05/29/19 08:46

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	442761	05/31/19 10:15	RS	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
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - 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	EPA Region	Identification Number	Expiration Date
Alabama	State Program	4	40150	06-30-19
ANAB	ISO/IEC 17025		L2471	02-22-20
Arizona	State Program	9	AZ0710	01-12-20
Arkansas DEQ	State Program	6	88-0689	09-01-19
California	State Program	9	2510	06-30-19
Florida	NELAP	4	E81010	06-30-19
Georgia	State Program	4	E81010 (FL)	06-30-19
Illinois	NELAP	5	200041	10-09-19
Iowa	State Program	7	367	08-01-20
Kansas	NELAP	7	E-10253	10-31-19
Kentucky (UST)	State Program	4	53	06-30-19
Kentucky (WW)	State Program	4	98030	12-31-19
Louisiana	NELAP	6	30976	06-30-19
Louisiana (DW)	NELAP	6	LA017	12-31-19
Maryland	State Program	3	233	09-30-19
Massachusetts	State Program	1	M-FL094	06-30-19
Michigan	State Program	5	9912	06-30-19
New Jersey	NELAP	2	FL006	06-30-19
North Carolina (WW/SW)	State Program	4	314	12-31-19
Oklahoma	State Program	6	9810	08-31-19
Pennsylvania	NELAP	3	68-00467	01-31-20
Rhode Island	State Program	1	LAO00307	12-30-19
South Carolina	State Program	4	96026	06-30-19
Tennessee	State Program	4	TN02907	06-30-19
Texas	NELAP	6	T104704286-18-15	09-30-19
US Fish & Wildlife	Federal		LE058448-0	07-31-19
USDA	Federal		P330-18-00148	05-17-21
Virginia	NELAP	3	460166	06-14-19
Washington	State Program	10	C915	05-15-20
West Virginia DEP	State Program	3	136	07-31-19

Method Summary

Client: Stantec Consulting Services Inc
Job ID: 400-170842-1
Project/Site: ElPaso CGP Company - State Gas Com N#1

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

Protocol References:

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

Laboratory References:

TAL PEN = Eurofins 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

400-170842 COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: S. Gardner / S. Clary	Lab PM: Webb, Carol M	Carrier Tracking No(s):	COC No: 400-83698-29211.1
Client Contact: Ms. Sarah Gardner	Phone: 303 291 22397	E-Mail: carol.webb@testamericainc.com		Page: Page 1 of 2
Company: Stantec Consulting Services Inc				Job #:
Address: 1560 Broadway Suite 1800	Due Date Requested:	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:
City: Denver	TAT Requested (days):			
State, Zip: CO, 80202				
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: sarah.gardner@stantec.com	WO #:			
Project Name: State Gas Com N #1	Project #: 40005479			
Site: State Gas Com N#1	SSOW#:			

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 - BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-1	5/24/19	1530	G	W	N	N	3	3	
MW-3	5/24/19	1600	G	W	N	N	3	3	
MW-6	5/24/19	1410	G	W	N	N	3	3	
MW-9	5/24/19	1330	G	W	N	N	3	3	
MW-13	5/24/19	1400	G	W	N	N	3	3	
MW-14	5/24/19	1335	G	W	N	N	3	3	
MW-15	5/24/19	1340	G	W	N	N	3	3	
MW-16	5/24/19	1405	G	W	N	N	3	3	
MW-18	5/24/19	1430	G	W	N	N	3	3	
MW-19	5/24/19	1350	G	W	N	N	3	3	
DUP-1	5/24/19	1350	G	W	N	N	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
[signature]	5/29/19 800	Stantec	[signature]	5/29/19 846	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.1°C IR7

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: S. Gardner / S. Clary	Lab PM: Webb, Carol M	Carrier Tracking No(s):	COC No: 400-83698-29211.2
Client Contact: Ms. Sarah Gardner	Phone: 303 291 2239	E-Mail: carol.webb@testamericainc.com		Page: Page 2 of 2
Company: Stantec Consulting Services Inc				Job #:
Address: 1560 Broadway Suite 1800	Due Date Requested:			
City: Denver	TAT Requested (days):			
State, Zip: CO, 80202				
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: sarah.gardner@stantec.com	WO #:			
Project Name: State Gas Com N #1	Project #: 40005479			
Site: State Gas Com N #1	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
Trip Blank	5/24/19	1310	G	W	N	N	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
[signature]	5/28/19 800	Stantec	[signature]	5/29/19 846	TAT GW
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-170842-1

Login Number: 170842
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	0.1°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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 400-179625-1
Client Project/Site: State Gas Com N #1.00

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

Attn: Steve Varsa

Authorized for release by:
11/26/2019 5:45:20 PM
John Cady, Manager of Project Management
(713)690-4444
john.cady@testamericainc.com

Designee for

Marty Edwards, Senior Project Manager
(850)471-6227
marty.edwards@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc
Job ID: 400-179625-1
Project/Site: State Gas Com N #1.00

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 400-179625-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-179625-1

Comments
No additional comments.

Receipt
The samples were received on 11/14/2019 9:38 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.0º C.

Receipt Exceptions
The Chain-of-Custody (COC) was improperly completed. Vials unpreserved, COC indicates preserved method

The Chain-of-Custody (COC) was improperly completed. COC indicates unpreserved containers, received preserved containers.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-1 (400-179625-1), MW-2 (400-179625-2), MW-3 (400-179625-3), MW-5 (400-179625-4) and MW-6 (400-179625-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10 (400-179625-7), MW-11 (400-179625-8) and DUP-1 (400-179625-17). 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 #1.00

Job ID: 400-179625-1

Client Sample ID: MW-1 — Lab Sample ID: 400-179625-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	4700		25		ug/L	25		8260C	Total/NA
Ethylbenzene	770		25		ug/L	25		8260C	Total/NA
Xylenes, Total	5700		250		ug/L	25		8260C	Total/NA
Benzene - DL	8300		50		ug/L	50		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-179625-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	11000		50		ug/L	50		8260C	Total/NA
Toluene	1900		50		ug/L	50		8260C	Total/NA
Ethylbenzene	540		50		ug/L	50		8260C	Total/NA
Xylenes, Total	5800		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 400-179625-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	22000		100		ug/L	100		8260C	Total/NA
Toluene	140		100		ug/L	100		8260C	Total/NA
Ethylbenzene	620		100		ug/L	100		8260C	Total/NA
Xylenes, Total	3400		1000		ug/L	100		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 400-179625-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	9600		50		ug/L	50		8260C	Total/NA
Ethylbenzene	900		50		ug/L	50		8260C	Total/NA
Xylenes, Total	820		500		ug/L	50		8260C	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 400-179625-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2900		20		ug/L	20		8260C	Total/NA
Toluene	4500		20		ug/L	20		8260C	Total/NA
Ethylbenzene	490		20		ug/L	20		8260C	Total/NA
Xylenes, Total	4000		200		ug/L	20		8260C	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 400-179625-6

No Detections.

Client Sample ID: MW-10 — Lab Sample ID: 400-179625-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Toluene	14000		50		ug/L	50		8260C	Total/NA
Ethylbenzene	690		50		ug/L	50		8260C	Total/NA
Xylenes, Total	4500		500		ug/L	50		8260C	Total/NA
Benzene - DL	17000		100		ug/L	100		8260C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 400-179625-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	19000		100		ug/L	100		8260C	Total/NA
Toluene	26000		100		ug/L	100		8260C	Total/NA
Ethylbenzene	770		100		ug/L	100		8260C	Total/NA
Xylenes, Total	8100		1000		ug/L	100		8260C	Total/NA

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 #1.00

Job ID: 400-179625-1

Client Sample ID: MW-12 — Lab Sample ID: 400-179625-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	14		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	4.6		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 400-179625-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	36		1.0		ug/L	1		8260C	Total/NA
Toluene	2.2		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 400-179625-11

No Detections.

Client Sample ID: MW-15 — Lab Sample ID: 400-179625-12

No Detections.

Client Sample ID: MW-16 — Lab Sample ID: 400-179625-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	150		1.0		ug/L	1		8260C	Total/NA
Toluene	1.7		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	11		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 400-179625-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	2.0		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-18 — Lab Sample ID: 400-179625-15

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	220		1.0		ug/L	1		8260C	Total/NA
Toluene	3.1		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	2.9		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	15		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 400-179625-16

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	4.3		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	4.8		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 400-179625-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	3900		25		ug/L	25		8260C	Total/NA
Toluene	7000		25		ug/L	25		8260C	Total/NA
Ethylbenzene	710		25		ug/L	25		8260C	Total/NA
Xylenes, Total	5700		250		ug/L	25		8260C	Total/NA

Client Sample ID: DUP-2 — Lab Sample ID: 400-179625-18

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Job ID: 400-179625-1
Project/Site: State Gas Com N #1.00

Client Sample ID: TRIP BLANK **Lab Sample ID: 400-179625-19**

No Detections.

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 #1.00

Job ID: 400-179625-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-179625-1	MW-1	Water	11/13/19 12:51	11/14/19 09:38	
400-179625-2	MW-2	Water	11/13/19 12:56	11/14/19 09:38	
400-179625-3	MW-3	Water	11/13/19 13:04	11/14/19 09:38	
400-179625-4	MW-5	Water	11/13/19 13:10	11/14/19 09:38	
400-179625-5	MW-6	Water	11/13/19 13:17	11/14/19 09:38	
400-179625-6	MW-9	Water	11/13/19 13:25	11/14/19 09:38	
400-179625-7	MW-10	Water	11/13/19 13:39	11/14/19 09:38	
400-179625-8	MW-11	Water	11/13/19 13:43	11/14/19 09:38	
400-179625-9	MW-12	Water	11/13/19 13:48	11/14/19 09:38	
400-179625-10	MW-13	Water	11/13/19 13:53	11/14/19 09:38	
400-179625-11	MW-14	Water	11/13/19 14:00	11/14/19 09:38	
400-179625-12	MW-15	Water	11/13/19 14:06	11/14/19 09:38	
400-179625-13	MW-16	Water	11/13/19 14:12	11/14/19 09:38	
400-179625-14	MW-17	Water	11/13/19 14:24	11/14/19 09:38	
400-179625-15	MW-18	Water	11/13/19 14:31	11/14/19 09:38	
400-179625-16	MW-19	Water	11/13/19 14:36	11/14/19 09:38	
400-179625-17	DUP-1	Water	11/13/19 03:30	11/14/19 09:38	
400-179625-18	DUP-2	Water	11/13/19 04:40	11/14/19 09:38	
400-179625-19	TRIP BLANK	Water	11/13/19 03:00	11/14/19 09:38	

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-1
Date Collected: 11/13/19 12:51
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	4700		25		ug/L			11/20/19 04:50	25
Ethylbenzene	770		25		ug/L			11/20/19 04:50	25
Xylenes, Total	5700		250		ug/L			11/20/19 04:50	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*11/20/19 04:50*	*25*
Dibromofluoromethane	*96*		*81 - 121*		*11/20/19 04:50*	*25*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/20/19 04:50*	*25*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8300		50		ug/L			11/20/19 12:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*11/20/19 12:19*	*50*
Dibromofluoromethane	*98*		*81 - 121*		*11/20/19 12:19*	*50*
Toluene-d8 (Surr)	*116*		*80 - 120*		*11/20/19 12:19*	*50*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-2
Date Collected: 11/13/19 12:56
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11000		50		ug/L			11/20/19 06:09	50
Toluene	1900		50		ug/L			11/20/19 06:09	50
Ethylbenzene	540		50		ug/L			11/20/19 06:09	50
Xylenes, Total	5800		500		ug/L			11/20/19 06:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*11/20/19 06:09*	*50*
Dibromofluoromethane	*95*		*81 - 121*		*11/20/19 06:09*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/20/19 06:09*	*50*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-3
Date Collected: 11/13/19 13:04
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-3
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	22000		100		ug/L			11/20/19 06:58	100
Toluene	140		100		ug/L			11/20/19 06:58	100
Ethylbenzene	620		100		ug/L			11/20/19 06:58	100
Xylenes, Total	3400		1000		ug/L			11/20/19 06:58	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*11/20/19 06:58*	*100*
Dibromofluoromethane	*96*		*81 - 121*		*11/20/19 06:58*	*100*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/20/19 06:58*	*100*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-5
Date Collected: 11/13/19 13:10
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9600**		50		ug/L			11/20/19 06:33	50
Toluene	<50		50		ug/L			11/20/19 06:33	50
Ethylbenzene	**900**		50		ug/L			11/20/19 06:33	50
Xylenes, Total	**820**		500		ug/L			11/20/19 06:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*11/20/19 06:33*	*50*
Dibromofluoromethane	*96*		*81 - 121*		*11/20/19 06:33*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/20/19 06:33*	*50*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-6
Date Collected: 11/13/19 13:17
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-5
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2900		20		ug/L			11/20/19 04:24	20
Toluene	4500		20		ug/L			11/20/19 04:24	20
Ethylbenzene	490		20		ug/L			11/20/19 04:24	20
Xylenes, Total	4000		200		ug/L			11/20/19 04:24	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*11/20/19 04:24*	*20*
Dibromofluoromethane	*95*		*81 - 121*		*11/20/19 04:24*	*20*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/20/19 04:24*	*20*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-9
Date Collected: 11/13/19 13:25
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-6
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			11/20/19 03:57	1
Toluene	<1.0		1.0		ug/L			11/20/19 03:57	1
Ethylbenzene	<1.0		1.0		ug/L			11/20/19 03:57	1
Xylenes, Total	<10		10		ug/L			11/20/19 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*11/20/19 03:57*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*11/20/19 03:57*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/20/19 03:57*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-10
Date Collected: 11/13/19 13:39
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	14000		50		ug/L			11/20/19 12:45	50
Ethylbenzene	690		50		ug/L			11/20/19 12:45	50
Xylenes, Total	4500		500		ug/L			11/20/19 12:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*11/20/19 12:45*	*50*
Dibromofluoromethane	*99*		*81 - 121*		*11/20/19 12:45*	*50*
Toluene-d8 (Surr)	*112*		*80 - 120*		*11/20/19 12:45*	*50*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	17000		100		ug/L			11/20/19 15:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*11/20/19 15:52*	*100*
Dibromofluoromethane	*98*		*81 - 121*		*11/20/19 15:52*	*100*
Toluene-d8 (Surr)	*115*		*80 - 120*		*11/20/19 15:52*	*100*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-11
Date Collected: 11/13/19 13:43
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-8
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19000		100		ug/L			11/20/19 13:12	100
Toluene	26000		100		ug/L			11/20/19 13:12	100
Ethylbenzene	770		100		ug/L			11/20/19 13:12	100
Xylenes, Total	8100		1000		ug/L			11/20/19 13:12	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*11/20/19 13:12*	*100*
Dibromofluoromethane	*99*		*81 - 121*		*11/20/19 13:12*	*100*
Toluene-d8 (Surr)	*114*		*80 - 120*		*11/20/19 13:12*	*100*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-12
Date Collected: 11/13/19 13:48
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-9
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			11/20/19 09:40	1
Toluene	<1.0		1.0		ug/L			11/20/19 09:40	1
Ethylbenzene	**4.6**		1.0		ug/L			11/20/19 09:40	1
Xylenes, Total	<10		10		ug/L			11/20/19 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*11/20/19 09:40*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*11/20/19 09:40*	*1*
Toluene-d8 (Surr)	*115*		*80 - 120*		*11/20/19 09:40*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-13
Date Collected: 11/13/19 13:53
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-10
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**36**		1.0		ug/L			11/25/19 14:51	1
Toluene	**2.2**		1.0		ug/L			11/25/19 14:51	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/19 14:51	1
Xylenes, Total	<10		10		ug/L			11/25/19 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*11/25/19 14:51*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*11/25/19 14:51*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/25/19 14:51*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-14
Date Collected: 11/13/19 14:00
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-11
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			11/25/19 15:18	1
Toluene	<1.0		1.0		ug/L			11/25/19 15:18	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/19 15:18	1
Xylenes, Total	<10		10		ug/L			11/25/19 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*11/25/19 15:18*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*11/25/19 15:18*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/25/19 15:18*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-15
Date Collected: 11/13/19 14:06
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-12
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			11/25/19 15:44	1
Toluene	<1.0		1.0		ug/L			11/25/19 15:44	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/19 15:44	1
Xylenes, Total	<10		10		ug/L			11/25/19 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*11/25/19 15:44*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*11/25/19 15:44*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/25/19 15:44*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-16
Date Collected: 11/13/19 14:12
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-13
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**150**		1.0		ug/L			11/20/19 10:07	1
Toluene	**1.7**		1.0		ug/L			11/20/19 10:07	1
Ethylbenzene	<1.0		1.0		ug/L			11/20/19 10:07	1
Xylenes, Total	**11**		10		ug/L			11/20/19 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*11/20/19 10:07*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*11/20/19 10:07*	*1*
Toluene-d8 (Surr)	*117*		*80 - 120*		*11/20/19 10:07*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-17
Date Collected: 11/13/19 14:24
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-14
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.0**		1.0		ug/L			11/25/19 16:11	1
Toluene	<1.0		1.0		ug/L			11/25/19 16:11	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/19 16:11	1
Xylenes, Total	<10		10		ug/L			11/25/19 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*11/25/19 16:11*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*11/25/19 16:11*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/25/19 16:11*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-18
Date Collected: 11/13/19 14:31
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-15
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	220		1.0		ug/L			11/20/19 10:33	1
Toluene	3.1		1.0		ug/L			11/20/19 10:33	1
Ethylbenzene	2.9		1.0		ug/L			11/20/19 10:33	1
Xylenes, Total	15		10		ug/L			11/20/19 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*11/20/19 10:33*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*11/20/19 10:33*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*11/20/19 10:33*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-19
Date Collected: 11/13/19 14:36
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-16
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.3**		1.0		ug/L			11/20/19 10:59	1
Toluene	<1.0		1.0		ug/L			11/20/19 10:59	1
Ethylbenzene	**4.8**		1.0		ug/L			11/20/19 10:59	1
Xylenes, Total	<10		10		ug/L			11/20/19 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*11/20/19 10:59*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*11/20/19 10:59*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*11/20/19 10:59*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: DUP-1
Date Collected: 11/13/19 03:30
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-17
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3900		25		ug/L			11/20/19 11:52	25
Toluene	7000		25		ug/L			11/20/19 11:52	25
Ethylbenzene	710		25		ug/L			11/20/19 11:52	25
Xylenes, Total	5700		250		ug/L			11/20/19 11:52	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*11/20/19 11:52*	*25*
Dibromofluoromethane	*95*		*81 - 121*		*11/20/19 11:52*	*25*
Toluene-d8 (Surr)	*115*		*80 - 120*		*11/20/19 11:52*	*25*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: DUP-2
Date Collected: 11/13/19 04:40
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-18
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			11/20/19 11:26	1
Toluene	<1.0		1.0		ug/L			11/20/19 11:26	1
Ethylbenzene	<1.0		1.0		ug/L			11/20/19 11:26	1
Xylenes, Total	<10		10		ug/L			11/20/19 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*11/20/19 11:26*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*11/20/19 11:26*	*1*
Toluene-d8 (Surr)	*117*		*80 - 120*		*11/20/19 11:26*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: TRIP BLANK
Date Collected: 11/13/19 03:00
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-19
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			11/25/19 12:38	1
Toluene	<1.0		1.0		ug/L			11/25/19 12:38	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/19 12:38	1
Xylenes, Total	<10		10		ug/L			11/25/19 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*11/25/19 12:38*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*11/25/19 12:38*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/25/19 12:38*	*1*

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

GC/MS VOA

Analysis Batch: 466644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179625-1	MW-1	Total/NA	Water	8260C	
400-179625-2	MW-2	Total/NA	Water	8260C	
400-179625-3	MW-3	Total/NA	Water	8260C	
400-179625-4	MW-5	Total/NA	Water	8260C	
400-179625-5	MW-6	Total/NA	Water	8260C	
400-179625-6	MW-9	Total/NA	Water	8260C	
MB 400-466644/28	Method Blank	Total/NA	Water	8260C	
LCS 400-466644/1002	Lab Control Sample	Total/NA	Water	8260C	
400-179391-A-1 MS	Matrix Spike	Total/NA	Water	8260C	
400-179391-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 466668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179625-1 - DL	MW-1	Total/NA	Water	8260C	
400-179625-7	MW-10	Total/NA	Water	8260C	
400-179625-7 - DL	MW-10	Total/NA	Water	8260C	
400-179625-8	MW-11	Total/NA	Water	8260C	
400-179625-9	MW-12	Total/NA	Water	8260C	
400-179625-13	MW-16	Total/NA	Water	8260C	
400-179625-15	MW-18	Total/NA	Water	8260C	
400-179625-16	MW-19	Total/NA	Water	8260C	
400-179625-17	DUP-1	Total/NA	Water	8260C	
400-179625-18	DUP-2	Total/NA	Water	8260C	
MB 400-466668/5	Method Blank	Total/NA	Water	8260C	
LCS 400-466668/1002	Lab Control Sample	Total/NA	Water	8260C	
400-179625-9 MS	MW-12	Total/NA	Water	8260C	
400-179625-9 MSD	MW-12	Total/NA	Water	8260C	

Analysis Batch: 467340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179625-10	MW-13	Total/NA	Water	8260C	
400-179625-11	MW-14	Total/NA	Water	8260C	
400-179625-12	MW-15	Total/NA	Water	8260C	
400-179625-14	MW-17	Total/NA	Water	8260C	
400-179625-19	TRIP BLANK	Total/NA	Water	8260C	
MB 400-467340/4	Method Blank	Total/NA	Water	8260C	
LCS 400-467340/1002	Lab Control Sample	Total/NA	Water	8260C	
400-180148-A-4 MS	Matrix Spike	Total/NA	Water	8260C	
400-180148-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

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

Lab Sample ID: MB 400-466644/28
Matrix: Water
Analysis Batch: 466644

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			11/19/19 21:50	1
Toluene	<1.0		1.0		ug/L			11/19/19 21:50	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/19 21:50	1
Xylenes, Total	<10		10		ug/L			11/19/19 21:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*11/19/19 21:50*	*1*
Dibromofluoromethane	*92*		*81 - 121*		*11/19/19 21:50*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/19/19 21:50*	*1*

Lab Sample ID: LCS 400-466644/1002
Matrix: Water
Analysis Batch: 466644

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	53.4		ug/L		107	70 - 130		
Toluene			50.0	54.9		ug/L		110	70 - 130		
Ethylbenzene			50.0	54.5		ug/L		109	70 - 130		
Xylenes, Total			100	109		ug/L		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*92*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-179391-A-1 MS
Matrix: Water
Analysis Batch: 466644

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	50.0		ug/L		100	56 - 142		
Toluene	<1.0		50.0	50.5		ug/L		101	65 - 130		
Ethylbenzene	<1.0		50.0	49.3		ug/L		99	58 - 131		
Xylenes, Total	<10		100	98.0		ug/L		98	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*94*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-179391-A-1 MSD
Matrix: Water
Analysis Batch: 466644

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	48.6		ug/L		97	56 - 142	3	30
Toluene	<1.0		50.0	48.1		ug/L		96	65 - 130	5	30
Ethylbenzene	<1.0		50.0	47.1		ug/L		94	58 - 131	4	30

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

Lab Sample ID: 400-179391-A-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 466644

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10		100	95.0		ug/L		95	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*93*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 400-466668/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 466668

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/20/19 09:14	1
Toluene	<1.0		1.0		ug/L			11/20/19 09:14	1
Ethylbenzene	<1.0		1.0		ug/L			11/20/19 09:14	1
Xylenes, Total	<10		10		ug/L			11/20/19 09:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*11/20/19 09:14*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*11/20/19 09:14*	*1*
Toluene-d8 (Surr)	*116*		*80 - 120*		*11/20/19 09:14*	*1*

Lab Sample ID: LCS 400-466668/1002 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 466668

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	49.9		ug/L		100	70 - 130		
Toluene			50.0	55.8		ug/L		112	70 - 130		
Ethylbenzene			50.0	52.8		ug/L		106	70 - 130		
Xylenes, Total			100	104		ug/L		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*97*		*81 - 121*
Toluene-d8 (Surr)	*113*		*80 - 120*

Lab Sample ID: 400-179625-9 MS — **Client Sample ID: MW-12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 466668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	14		50.0	54.2		ug/L		80	56 - 142		
Toluene	<1.0		50.0	47.9		ug/L		96	65 - 130		
Ethylbenzene	4.6		50.0	47.7		ug/L		86	58 - 131		
Xylenes, Total	<10		100	87.0		ug/L		87	59 - 130		

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

Lab Sample ID: 400-179625-9 MS
Matrix: Water
Analysis Batch: 466668

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	95		78 - 118
Dibromofluoromethane	99		81 - 121
Toluene-d8 (Surr)	113		80 - 120

Lab Sample ID: 400-179625-9 MSD
Matrix: Water
Analysis Batch: 466668

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	14		50.0	53.9		ug/L		80	56 - 142	1	30
Toluene	<1.0		50.0	46.6		ug/L		93	65 - 130	3	30
Ethylbenzene	4.6		50.0	46.6		ug/L		84	58 - 131	2	30
Xylenes, Total	<10		100	86.7		ug/L		87	59 - 130	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	95		78 - 118
Dibromofluoromethane	97		81 - 121
Toluene-d8 (Surr)	113		80 - 120

Lab Sample ID: MB 400-467340/4
Matrix: Water
Analysis Batch: 467340

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			11/25/19 09:59	1
Toluene	<1.0		1.0		ug/L			11/25/19 09:59	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/19 09:59	1
Xylenes, Total	<10		10		ug/L			11/25/19 09:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		78 - 118		11/25/19 09:59	1
Dibromofluoromethane	95		81 - 121		11/25/19 09:59	1
Toluene-d8 (Surr)	102		80 - 120		11/25/19 09:59	1

Lab Sample ID: LCS 400-467340/1002
Matrix: Water
Analysis Batch: 467340

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	49.4		ug/L		99	70 - 130		
Toluene			50.0	49.3		ug/L		99	70 - 130		
Ethylbenzene			50.0	50.2		ug/L		100	70 - 130		
Xylenes, Total			100	99.5		ug/L		99	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		78 - 118
Dibromofluoromethane	94		81 - 121

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

Lab Sample ID: LCS 400-467340/1002
Matrix: Water
Analysis Batch: 467340

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-180148-A-4 MS
Matrix: Water
Analysis Batch: 467340

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	1.3		50.0	46.9		ug/L		91	56 - 142		
Toluene	<1.0		50.0	44.2		ug/L		88	65 - 130		
Ethylbenzene	<1.0		50.0	43.9		ug/L		88	58 - 131		
Xylenes, Total	<10		100	86.4		ug/L		86	59 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-180148-A-4 MSD
Matrix: Water
Analysis Batch: 467340

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	1.3		50.0	44.2		ug/L		86	56 - 142	6	30
Toluene	<1.0		50.0	45.4		ug/L		91	65 - 130	3	30
Ethylbenzene	<1.0		50.0	41.8		ug/L		84	58 - 131	5	30
Xylenes, Total	<10		100	84.4		ug/L		84	59 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-1

Lab Sample ID: 400-179625-1

Date Collected: 11/13/19 12:51

Matrix: Water

Date Received: 11/14/19 09:38

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	466644	11/20/19 04:50	PEM	TAL PEN
	Instrument ID: CH_CONAN									
Total/NA	Analysis	8260C	DL	50	5 mL	5 mL	466668	11/20/19 12:19	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: MW-2

Lab Sample ID: 400-179625-2

Date Collected: 11/13/19 12:56

Matrix: Water

Date Received: 11/14/19 09:38

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	466644	11/20/19 06:09	PEM	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-3

Lab Sample ID: 400-179625-3

Date Collected: 11/13/19 13:04

Matrix: Water

Date Received: 11/14/19 09:38

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	466644	11/20/19 06:58	PEM	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-5

Lab Sample ID: 400-179625-4

Date Collected: 11/13/19 13:10

Matrix: Water

Date Received: 11/14/19 09:38

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	466644	11/20/19 06:33	PEM	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-6

Lab Sample ID: 400-179625-5

Date Collected: 11/13/19 13:17

Matrix: Water

Date Received: 11/14/19 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	5 mL	5 mL	466644	11/20/19 04:24	PEM	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-9

Lab Sample ID: 400-179625-6

Date Collected: 11/13/19 13:25

Matrix: Water

Date Received: 11/14/19 09:38

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	466644	11/20/19 03:57	PEM	TAL PEN
	Instrument ID: CH_CONAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-10

Lab Sample ID: 400-179625-7

Date Collected: 11/13/19 13:39

Matrix: Water

Date Received: 11/14/19 09:38

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	466668	11/20/19 12:45	RS	TAL PEN
	Instrument ID: Darwin									
Total/NA	Analysis	8260C	DL	100	5 mL	5 mL	466668	11/20/19 15:52	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: MW-11

Lab Sample ID: 400-179625-8

Date Collected: 11/13/19 13:43

Matrix: Water

Date Received: 11/14/19 09:38

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	466668	11/20/19 13:12	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: MW-12

Lab Sample ID: 400-179625-9

Date Collected: 11/13/19 13:48

Matrix: Water

Date Received: 11/14/19 09:38

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	466668	11/20/19 09:40	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: MW-13

Lab Sample ID: 400-179625-10

Date Collected: 11/13/19 13:53

Matrix: Water

Date Received: 11/14/19 09:38

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	467340	11/25/19 14:51	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-14

Lab Sample ID: 400-179625-11

Date Collected: 11/13/19 14:00

Matrix: Water

Date Received: 11/14/19 09:38

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	467340	11/25/19 15:18	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-15

Lab Sample ID: 400-179625-12

Date Collected: 11/13/19 14:06

Matrix: Water

Date Received: 11/14/19 09:38

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	467340	11/25/19 15:44	RS	TAL PEN
	Instrument ID: CH_CONAN									

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

Client Sample ID: MW-16
Date Collected: 11/13/19 14:12
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-13
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	466668	11/20/19 10:07	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: MW-17
Date Collected: 11/13/19 14:24
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	467340	11/25/19 16:11	RS	TAL PEN
	Instrument ID: CH_CONAN									

Client Sample ID: MW-18
Date Collected: 11/13/19 14:31
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	466668	11/20/19 10:33	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: MW-19
Date Collected: 11/13/19 14:36
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	466668	11/20/19 10:59	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: DUP-1
Date Collected: 11/13/19 03:30
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	5 mL	5 mL	466668	11/20/19 11:52	RS	TAL PEN
	Instrument ID: Darwin									

Client Sample ID: DUP-2
Date Collected: 11/13/19 04:40
Date Received: 11/14/19 09:38

Lab Sample ID: 400-179625-18
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	466668	11/20/19 11:26	RS	TAL PEN
	Instrument ID: Darwin									

Lab Chronicle

Client: Stantec Consulting Services Inc
Job ID: 400-179625-1
Project/Site: State Gas Com N #1.00

Client Sample ID: TRIP BLANK
Lab Sample ID: 400-179625-19
Date Collected: 11/13/19 03:00
Matrix: Water
Date Received: 11/14/19 09:38

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	467340	11/25/19 12:38	RS	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 #1.00

Job ID: 400-179625-1

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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-22-20
Arizona	State	AZ0710	01-12-20
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Iowa	State	367	08-01-20
Iowa	State Program	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (UST)	State Program	53	06-30-20
Kentucky (WW)	State	KY98030	12-30-19
Louisiana	NELAP	30976	06-30-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	NELAP	LA017	12-31-19
Louisiana (DW)	State	<cert No.>	12-31-19
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	05-06-20
Minnesota	NELAP	012-999-481	12-31-19
New Jersey	NELAP	FL006	07-30-20
North Carolina (WW/SW)	State	314	12-31-19
North Carolina (WW/SW)	State Program	314	12-31-19
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-20
Rhode Island	State	LAO00307	12-30-19
Rhode Island	State Program	LAO00307	12-30-19
South Carolina	State	96026002	06-30-20
South Carolina	State Program	96026	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	Federal	LE058448-0	07-31-20
US Fish & Wildlife	US Federal Programs	LE058448	06-07-20
USDA	Federal	P330-18-00148	05-17-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: State Gas Com N #1.00

Job ID: 400-179625-1

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

400-179625 COC

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Client Information	Sampler: Steve Varsa & Sam Clary	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-88635-32975.1
Client Contact: Steve Varsa	Phone: 515-253 0830	E-Mail: marty.edwards@testamericainc.com		Page: Page 1 of 2
Company: Stantec Consulting Services Inc				Job #:

Address: 11153 Aurora Avenue	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Des Moines	TAT Requested (days):		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)
State, Zip: IA, 50322-7904			
Phone: 303-291-2239(Tel)	PO #: See Project Notes		Other:
Email: steve.varsa@stantec.com	WO #:		
Project Name: State Gas Com N #1.00 Semi-ann	Project #: 40005479		
Site:	SSOW#:		

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 - BTEX 8260	8260C - BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-1	11/13/19	1251	G	Water				3		
MW-2	11/13/19	1256	G	Water				3		
MW-3	11/13/19	1304	G	Water				3		
MW-5	11/13/19	1310	G	Water			3			
MW-6	11/13/19	1317	G	Water				3		
MW-9	11/13/19	1325	G	Water				3		
MW-10	11/13/19	1339	G	Water				3		
MW-11	11/13/19	1343	G	Water				3		
MW-12	11/13/19	1348	G	Water				3		
MW-13	11/13/19	1353	G	Water			3			
MW-14	11/13/19	1400	G	Water			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
	11/13/19 1600	Stantec	FedEx #453502445100		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/14/19 938	Company TAL PC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C IR8

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Steve Varsa & Sean Clay	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-88635-32975.2
Client Contact: Steve Varsa	Phone: 515 2530830	E-Mail: marty.edwards@testamericainc.com		Page: Page 2 of 2
Company: Stantec Consulting Services Inc		Analysis Requested		Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			Preservation Codes:
City: Des Moines	TAT Requested (days):			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)
State, Zip: IA, 50322-7904				
Phone: 303-291-2239(Tel)	PO #: See Project Notes			Other:
Email: steve.varsa@stantec.com	WO #:			
Project Name: State Gas Com N #1.00 Semi-ann	Project #: 40005479			
Site:	SSOW#:			

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 - BTEX 8260	8260C - BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-15	11/13/15	1406	G	Water			3			
MW-16	11/13/15	1412	G	Water				3		
MW-17	11/13/15	1424	G	Water			3			
MW-18	11/13/15	1431	G	Water				3		
MW-19	11/13/15	1436	G	Water				3		
DUP-1	11/13/15	0330	G	Water				3		
DUP-2	11/13/15	0440	G	Water				3		
Trip Blank	11/13/15	0300	QC	Water			3			
				Water						
				Water						

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/13/19 1600	Stantec	Fedex #453502445100		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/14/19 938	Company TA PC
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: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-179625-1

Login Number: 179625

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	0.0°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	