2022 ANNUAL GROUNDWATER REPORT

Sandoval GC A#1A Incident Number: nAUTOfAB000635 Meter Code: 89620 T30N, R9W, Sec 35, Unit C

SITE DETAILS

Site Location:Latitude: 36.772101, Longitude: -107.753601Land Type:FederalOperator:Simcoe LLC

SITE BACKGROUND

Environmental Remediation activities at the Sandoval GC A#1A (Site) are managed pursuant to the procedures set forth in the document entitled, "*Remediation Plan for Groundwater Encountered During Pit Closure Activities*" (Remediation Plan, El Paso Natural Gas Company/El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company (EPCPG) program methods. Currently, the Site is operated by Simcoe LLC (Simcoe), and is active. According to NMOCD records, Simcoe assumed operation of the Site from BP America Production Company (BP), on February 28, 2020.

The Site is located on Federal land. An initial site assessment was completed in May 1994. Two excavations were completed at the Site, the first in September 1994, removing approximately 50 cubic yards (cy), and the second in July 1997, removing 504 cy. The total excavated depth is approximately 28 feet below ground surface (bgs). A monitoring well was installed in 1994 (MW-1). Additional borings were advanced around the former pit in 1995 and south of the pit in 1997 (PH-2). In October 2001, an oxygen release compound (ORC) nutrient injection was conducted. Soil boring SB-1 and monitoring wells MW-2 through MW-5 were installed in 2015. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells and current and historical site features is provided as Figure 2. Currently, groundwater sampling is conducted on a semi-annual basis.

NMOCD records indicate that BP had a release at the Site as early as 2003. BP documented a release at a compressor discharge pit, subsequently excavated 50 cy of soil, land-farmed the excavated soil on site, and advanced confirmation soil boring BPBH-1. BP also excavated approximately 12 cy of discolored soil during closure of a 95 barrel below ground tank in October 2017. The NMOCD established Case number 3RP-1057 for the BP release(s) in 2018. Four monitoring wells (BPMW-1 through BPMW-4) were installed by BP from August to December 2011. Monitoring well BPMW-2 was documented as having 2.7 feet of light non-aqueous phase liquid (LNAPL) on November 8, 2017, although no groundwater sampling data from the BP wells are in NMOCD files. On April 13, 2018, the NMOCD approved a BP plan to install a soil vapor extraction (SVE) system. In October 2018, Stantec noted a skid-mounted SVE blower had been placed on the western portion of the Site and connected to BPMW-2. Information on the operation or performance of the SVE system has not been found in NMOCD files.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on May 12, 2022, and October 26, 2022, prior to initiating groundwater sampling activities at the Site. Copies of the 2022 NMOCD notifications are provided in Appendix A. On May 21 and November 5, 2022, water levels were gauged at MW-1 through MW-5. No LNAPL was detected in EPCGP site monitoring wells during water level gauging in 2022. Monitoring

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well MW-3 was dry during the May and November sampling events, and no sample could be collected. Groundwater samples from MW-1, MW-2, MW-4, and MW-5 were collected using HydraSleeveTM (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event approximately 0.5 foot above the bottom of the monitoring well screen using a suspension tether and stainless-steel weights to collect a sample from the screened interval. A stainless-steel top weight was used in wells with minimal water column.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC (Eurofins) in Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (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 containerized and transported to Envirotech, Inc. (Envirotech) south of Bloomfield, New Mexico for disposal. Waste disposal documentation is included as Appendix B.

SUMMARY TABLES

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

SITE MAPS

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

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix C.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the southeast during 2022 (see Figure 4 and 6).
- LNAPL was not observed at the Site during the 2022 sampling events.
- Groundwater samples collected in 2022 from MW-2 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 samples collected from remaining site monitoring wells during 2022.
- Groundwater samples collected in 2022 from MW-2 exceeded the NMWQCC standard (750 µg/L) for toluene in groundwater. Toluene was either below the NMWQCC standard or was not detected in the remaining samples collected from site monitoring wells during 2022.
- Ethylbenzene was either below the NMWQCC standard (750 μg/L) or was not detected in

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the groundwater samples collected from site monitoring wells during 2022.

- Groundwater samples collected in 2022 from MW-2 exceeded the NMWQCC standard (620 µg/L) for total xylenes in groundwater. Total xylenes were either below the NMWQCC standard or was not detected in the remaining samples collected from site monitoring wells during 2022.
- A field duplicate was collected from monitoring well MW-4 during the May and November 2022 sampling events. There were no significant differences in BTEX constituent concentrations between the primary and duplicate samples.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2022 groundwater monitoring events.

NO FURTHER ACTION REQUEST

EPCGP respectfully requests a response from NMOCD to the April 2019 Site Conceptual Model and No Further Action request (2019 SCM and NFA Request) submittal.

In addition to the information contained in the April 2019 SCM and NFA request, LNAPL is no longer present in monitoring well MW-2 since the BP-installed SVE system was installed at the BP well in 2018. Monitoring wells MW-1 and MW-3 have remained below applicable NMWQCC requirements since November 2017, and groundwater BTEX concentrations in MW-5 have decreased. Monitoring well MW-3 was dry during both sampling events in 2022. The absence of LNAPL in MW-2 and reduction of groundwater BTEX concentrations in MW-5 in conjunction with BP's SVE remediation efforts are further indications of the effect the BP release(s) had on hydrocarbon impacts in the EPCGP monitoring wells.

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TABLES

TABLE 1 – GROUNDWATER ANALYTICAL RESULTSTABLE 2 – GROUNDWATER ELEVATION RESULTS

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TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

	Sandoval GC A #1A						
		Benzene	Toluene	Ethylbenzene	Total Xylenes		
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
NMWQCO	C Standards:	10	750	750	620		
MW-1	05/30/95	5500	3980	579	4780		
MW-1	04/12/96	10400	8960	925	10100		
MW-1	07/26/96	8980	7980	1000	9430		
MW-1	10/18/96	11050	9960	900	10700		
MW-1	01/21/97	7700	7210	787	8430		
MW-1	04/16/97	8900	8680	996	9250		
MW-1	07/11/97	8240	7850	709	8230		
MW-1	09/04/97	4420	2370	850	9660		
MW-1	10/22/97	3460	39.6	714	7690		
MW-1	01/06/98	3850	194	795	8570		
MW-1	04/23/98	4330	406	783	7220		
MW-1	04/19/99	4300	1260	629	7440		
MW-1	04/13/00	2300	1500	590	5900		
MW-1	05/30/01	2800	710	560	5200		
MW-1	10/08/01	NS	NS	NS	NS		
MW-1	05/16/02	3000	1500	440	5300		
MW-1	05/21/03	3850	601	443	6360		
MW-1	11/16/04	2490	30.9	346	2860		
MW-1	11/08/05	338	8.5	80.1	757		
MW-1	11/08/06	198	3.4	14.9	83.6		
MW-1	11/29/07	441	3.8	52.2	72.2		
MW-1	11/18/08	120	<2	17.9	8.3		
MW-1	11/04/09	88.4	<1	14.8	4.3		
MW-1	06/03/10	NS	NS	NS	NS		
MW-1	11/09/10	54	<2	8.7	12.7		
MW-1	11/16/11	31.3	<1	14.2	8.9		
MW-1	06/08/13	0.27 J	<0.30	<0.20	<0.23		
MW-1	09/09/13	0.36 J	< 0.30	<0.20	<0.23		
MW-1	12/12/13	0.31 J	<0.38	<0.20	<0.65		
MW-1	04/02/14	1.1 J	1.7 J	<0.20	1.4 J		
MW-1	10/23/14	3.3	<0.70	3.8	<1.6		
MW-1	05/30/15	5.7	<5.0	5.3	6		
MW-1	11/20/15	8.3	<5.0	5.2	14		
MW-1	04/19/16	<2.0	<10	<2.0	<10		
MW-1	10/16/16	3.2	<5.0	2	<5.0		
MW-1	06/08/17	5.2	<5.0	2.4	7.9		
MW-1	11/11/17	10	<1.0	<1.0	<10		
MW-1	05/16/18	9.3	1.4	1.3	<10		
MW-1	10/28/18	1.9	<1.0	3	<10		
MW-1	05/22/19	<1.0	<1.0	<1.0	<10		
MW-1	11/12/19	<1.0	<1.0	<1.0	<10		

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TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

	Sandoval GC A #1A						
		Benzene	Toluene	Ethylbenzene	Total Xylenes		
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
NMWQCC	Standards:	10	750	750	620		
MW-1	05/15/20	<1.0	<1.0	<1.0	<10		
MW-1	11/13/20	<1.0	<1.0	<1.0	<10		
MW-1	05/18/21	<1.0	<1.0	<1.0	<10		
MW-1	11/15/21	<1.0	<1.0	<1.0	<10		
DP-01(MW-1)*	11/15/21	<1.0	<1.0	<1.0	<10		
MW-1	05/21/22	<1.0	<1.0	<1.0	<10		
MW-1	11/05/22	<1.0	<1.0	<1.0	<10		
MW-2	11/20/15	2400	3700	530	7400		
MW-2 ¹	04/19/16 ¹	6600	8200	1200	16000		
MW-2	10/16/16	NS	NS	NS	NS		
MW-2	06/08/17	NS	NS	NS	NS		
MW-2	11/11/17	3500	4300	940	12000		
MW-2	05/16/18	4000	3700	820	12000		
DP-01(MW-2)*	05/16/18	3700	3400	690	11000		
MW-2	10/28/18	4600	4800	910	16000		
DUP-01(MW-2)	10/28/18	4700	4600	930	14000		
MW-2	05/22/19	4700	3300	780	9600		
MW-2	11/12/19	9500	5400	1000	13000		
MW-2	05/15/20	7500	5200	1000	12000		
MW-2	11/13/20	8800	4700	<100	11000		
MW-2	05/18/21	4700	2500	300	6100		
MW-2	11/15/21	3800	2100	510	6100		
MW-2	05/21/22	4800	1400	<25	10000		
MW-2	11/05/22	5700	1400	90	9600		
MW-3	11/20/15	55	62	16	140		
MW-3	04/19/16	1.6	<5.0	1.8	40		
MW-3	10/16/16	<1.0	<5.0	<1.0	<5.0		
MW-3	06/08/17	<1.0	<5.0	<1.0	<5.0		
MW-3	11/11/17	23	27	2	18		
MW-3	05/16/18	<1.0	<1.0	<1.0	<10		
MW-3	10/28/18	<1.0	<1.0	<1.0	<10		
MW-3	05/22/19	<1.0	<1.0	<1.0	<10		
MW-3	11/12/19	<1.0	<1.0	<1.0	<10		
MW-3	05/15/20	2.5	1.4	<1.0	<10		
MW-3	11/13/20	NS	NS	NS	NS		
MW-3	05/18/21	<1.0	<1.0	<1.0	<10		
MW-3	11/15/21	NS	NS	NS	NS		

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TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

	Sandoval GC A #1A						
		Benzene	Toluene	Ethylbenzene	Total Xylenes		
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)		
NMWQCC	Standards:	10	750	750	620		
MW-3	05/21/22	NS	NS	NS	NS		
MW-3	11/05/22	NS	NS	NS	NS		
MW-4	11/23/15	490	<10	4	140		
MW-4 ¹	04/19/16 ¹	3.2	<5.0	<1.0	10		
MW-4	10/16/16	22	<5.0	<1.0	9.6		
MW-4	06/08/17	33	<5.0	<1.0	<5.0		
MW-4	11/11/17	7	<1.0	<1.0	<10		
MW-4	05/16/18	1.1	<1.0	<1.0	<10		
MW-4	10/28/18	14	<1.0	<1.0	<10		
MW-4	05/22/19	34	<1.0	<1.0	<10		
DUP-1(MW-4)*	05/22/19	47	<1.0	<1.0	<10		
MW-4	11/12/19	17	<1.0	<1.0	<10		
DUP-1(MW-4)*	11/12/19	16	<1.0	<1.0	<10		
MW-4	05/15/20	41	<1.0	<1.0	<10		
MW-4	11/13/20	4.1	<1.0	<1.0	<10		
DUP-1(MW-4)*	11/13/20	3.6	<1.0	<1.0	<10		
MW-4	05/18/21	14	<1.0	<1.0	<10		
DUP-1(MW-4)*	05/18/21	13	<1.0	<1.0	<10		
MW-4	11/15/21	2.7	<1.0	<1.0	<10		
MW-4	05/21/22	<1.0	<1.0	<1.0	<10		
DUP-1(MW-4)*	05/21/22	<1.0	<1.0	<1.0	<10		
MW-4	11/05/22	<1.0	<1.0	<1.0	<10		
DUP-1(MW-4)*	11/05/22	<1.0	<1.0	<1.0	<10		
MW-5	11/23/15	7500	17000	590	7100		
MW-5	04/19/16	5800	1600	680	6100		
MW-5	10/16/16	4700	6700	1000	10000		
MW-5	06/08/17	4800	6000	1600	16000		
MW-5	11/11/17	3800	4300	1100	11000		
MW-5	05/16/18	4100	2800	850	9100		
MW-5	10/28/18	2800	1700	590	6900		
MW-5	05/22/19	470	<10	<10	880		
MW-5	11/12/19	58	<1.0	<1.0	<10		
MW-5	05/15/20	110	<1.0	<1.0	<10		
DUP-01(MW-5)	05/15/20	130	1.3	<1.0	<10		
MW-5	05/18/21	5.5	<1.0	<1.0	<10		
MW-5	11/15/21	3.3	<1.0	<1.0	<10		
MW-5	05/21/22	<1.0	<1.0	<1.0	<10		
MW-5	11/05/22	2.5	<1.0	<1.0	<10		

"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).

"NS" = Monitoring well not sampled

¹ = The groundwater sample analytical results for MW-2 and MW-4 were switched for this sampling event, as discussed in the 2016 Annual Groundwater Report for this Site. *Field Duplicate results presented immediately below primary sample result.

	Sandoval GC A #1A					
Location	Date	тос	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	05/30/95	5716.63	NR	34.49		5682.14
MW-1	04/12/96	5716.63	NR	35.39		5681.24
MW-1	07/26/96	5716.63	NR	35.61		5681.02
MW-1	10/18/96	5716.63	NR	35.79		5680.84
MW-1	01/21/97	5716.63	NR	35.80		5680.83
MW-1	04/16/97	5716.63	NR	35.99		5680.64
MW-1	07/11/97	5716.63	NR	36.05		5680.58
MW-1	09/04/97	5716.63	NR	35.18		5681.45
MW-1	10/22/97	5716.63	NR	35.18		5681.49
MW-1	01/06/98	5716.63	NR	35.14		5681.53
MW-1			NR	35.10		5681.48
	04/23/98	5716.63				
MW-1	04/19/99	5716.63	NR	35.10		5681.53
MW-1	04/13/00	5716.63	NR	34.70		5681.93
MW-1	05/30/01	5716.63	NR	34.97		5681.66
MW-1	10/08/01	5716.63	NR	35.19		5681.44
MW-1	05/16/02	5716.63	NR	35.11		5681.52
MW-1	05/21/03	5716.63	ND	35.26		5681.37
MW-1	11/16/04	5716.63	ND	34.84		5681.79
MW-1	11/08/05	5716.63	ND	33.87		5682.76
MW-1	11/08/06	5716.63	ND	34.02		5682.61
MW-1	11/29/07	5716.63	ND	33.29		5683.34
MW-1	11/18/08	5716.63	ND	33.41		5683.22
MW-1	11/04/09	5716.63	ND	33.64		5682.99
MW-1	06/03/10	5716.63	ND	33.46		5683.17
MW-1	11/09/10	5716.63	ND	32.94		5683.69
MW-1	11/16/11	5716.63	ND	33.28		5683.35
MW-1	06/08/13	5716.63	ND	33.67		5682.96
MW-1	09/09/13	5716.63	ND	33.78		5682.85
MW-1	12/12/13	5716.63	ND	33.80		5682.83
MW-1	04/02/14	5716.63	ND	33.85		5682.78
MW-1	10/23/14	5716.63	ND	34.04		5682.59
MW-1	05/30/15	5716.63	ND	34.19		5682.44
MW-1	11/20/15	5716.63	ND	34.33		5682.30
MW-1	04/19/16	5716.63	ND	34.52		5682.11
MW-1	10/16/16	5716.63	ND	34.17		5682.46
MW-1	06/08/17	5716.63	ND	34.71		5681.92
MW-1	11/11/17	5716.63	ND	34.27		5682.36
MW-1	05/16/18	5716.63	ND	34.21		5682.42
MW-1	10/28/18	5716.63	ND	34.44		5682.19
MW-1	05/22/19	5716.63	ND	34.65		5681.98
MW-1	11/12/19	5716.63	ND	34.75		5681.88
MW-1	05/15/20	5716.63	ND	34.92	<u> </u>	5681.71

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	Sandoval GC A #1A					
Location	Date	тос	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/13/20	5716.63	ND	35.11		5681.52
MW-1	05/18/21	5716.63	ND	35.25		5681.38
MW-1	11/15/21	5716.63	ND	35.39		5681.24
MW-1	05/21/22	5716.63	ND	35.46		5681.17
MW-1	11/05/22	5716.63	ND	35.58		5681.05
MW-2	11/20/15	5717.56	ND	35.29		5682.27
MW-2	04/19/16	5717.56	ND	35.49		5682.07
MW-2	10/16/16	5717.56	35.60	36.03	0.43	5681.85
MW-2	06/08/17	5717.56	35.50	36.25	0.75	5681.87
MW-2	11/11/17	5717.56	ND	35.19		5682.37
MW-2	05/16/18	5717.56	ND	35.14		5682.42
MW-2	10/28/18	5717.56	ND	35.35		5682.21
MW-2	05/22/19	5717.56	ND	35.59		5681.97
MW-2	11/12/19	5717.56	ND	35.72		5681.84
MW-2	05/15/20	5717.56	ND	35.88		5681.68
MW-2	11/13/20	5717.56	ND	36.05		5681.51
MW-2	05/18/21	5717.56	ND	36.18		5681.38
MW-2	11/15/21	5717.56	ND	36.30		5681.26
MW-2	05/21/22	5717.56	ND	36.39		5681.17
MW-2	11/05/22	5717.56	ND	36.48		5681.08
MW-3	11/20/15	5718.73	ND	37.16		5681.57
MW-3	04/19/16	5718.73	ND	42.25		5676.48
MW-3 MW-3	10/16/16 06/08/17	5718.73 5718.73	ND ND	44.19 44.87		5674.54 5673.86
MW-3	11/11/17	5718.73	ND	44.87		
MW-3	05/16/18	5718.73	ND	43.82		5674.91 5674.23
MW-3	10/28/18	5718.73	ND	45.47		5673.26
MW-3	05/22/19	5718.73	ND	44.62		5674.11
MW-3	11/12/19	5718.73	ND	46.55		5672.18
MW-3	05/15/20	5718.73	ND	46.12		5672.61
MW-3	11/13/20	5718.73	ND	46.31		5672.42
MW-3	05/18/21	5718.73	ND	46.12		5672.61
MW-3	11/15/21	5718.73	ND	46.59		5672.14
MW-3	05/21/22	5718.73	ND	DRY		NA
MW-3	11/05/22	5718.73	ND	DRY		NA
	11,00,22	01 10.10		2.11		
MW-4	11/20/15	NR	NR	NR		NR
MW-4	11/23/15	5718.15	ND	44.93		5673.22

	Sandoval GC A #1A					
Location	Date	тос	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-4	04/19/16	5718.15	ND	44.84		5673.31
MW-4	10/16/16	5718.15	ND	45.02		5673.13
MW-4	06/08/17	5718.15	ND	45.18		5672.97
MW-4	11/11/17	5718.15	ND	45.18		5672.97
MW-4	05/16/18	5718.15	ND	45.16		5672.99
MW-4	10/28/18	5718.15	ND	45.48		5672.67
MW-4	05/22/19	5718.15	ND	45.07		5673.08
MW-4	11/12/19	5718.15	ND	45.64		5672.51
MW-4	05/15/20	5718.15	ND	45.46		5672.69
MW-4	11/13/20	5718.15	ND	45.67		5672.48
MW-4	05/18/21	5718.15	ND	45.63		5672.52
MW-4	11/15/21	5718.15	ND	46.16		5671.99
MW-4	05/21/22	5718.15	ND	45.92		5672.23
MW-4	11/05/22	5718.15	ND	46.03		5672.12
MW-5	11/20/15	5714.35	ND	Dry		Dry
MW-5	11/23/15	5714.35	ND	41.16		5673.19
MW-5	04/19/16	5714.35	ND	41.15		5673.20
MW-5	10/16/16	5714.35	ND	42.25		5672.10
MW-5	06/08/17	5714.35	ND	41.38		5672.97
MW-5	11/11/17	5714.35	ND	41.36		5672.99
MW-5	05/16/18	5714.35	ND	41.35		5673.00
MW-5	10/28/18	5714.35	ND	41.68		5672.67
MW-5	05/22/19	5714.35	ND	41.27		5673.08
MW-5	11/12/19	5714.35	ND	41.79		5672.56
MW-5	05/15/20	5714.35	ND	41.64		5672.71
MW-5	05/18/21	5714.35	ND	41.81		5672.54
MW-5	11/15/21	5714.35	ND	42.28		5672.07
MW-5	05/21/22	5714.35	ND	42.11		5672.24
MW-5	11/05/22	5714.35	ND	42.16		5672.19

Notes: "ft" = feet "TOC" = Top of casing "LNAPL" = Light non-aqueous phase liquid "Dry" = Water not detected 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)

"ND" =

FIGURES

FIGURE 1: SITE LOCATION

- FIGURE 2: SITE PLAN
- FIGURE 3: GROUNDWATER ANALYTICAL RESULTS MAY 21, 2022
- FIGURE 4: GROUNDWATER ELEVATION MAP MAY 21, 2022
- FIGURE 5: GROUNDWATER ANALYTICAL RESULTS NOVEMBER 5, 2022
- FIGURE 6: GROUNDWATER ELEVATION MAP NOVEMBER 5, 2022



DESIGN BY DRAWN BY REVIEWED BY

SAH

1

Stantec

SRV

SAH

REVISION

SITE LOCATION

SANDOVAL GC A#1A

SAN JUAN RIVER BASIN SAN JUAN COUNTY, NEW MEXICO

DATE 2023-02-14

GURE

Released to Imaging: 5/16/2024 11:20:49 AM

Albuquerque

NEW MEXICO

Esri, Garmin, HER

TEX

ITLE

PROJECT

WAKED PLAIN





LEGEND: APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET -6503-ACCESS ROAD FORMER PIT NATURAL GAS LINE -G-A-S-____ OVERHEAD ELECTRIC LINE —OVHD— MONITORING WELL • SOIL BORING \bullet 4 **BP/SIMCO MONITORING WELL** OTHER SOIL BORING • SMA BENCHMARK Δ \boxtimes **RIG ANCHOR** SCALE IN FEET 30 DATE DESIGN BY DRAWN BY REVIEWED B REVISION SLG SIG 2/23/2021 SD1/ TITLE: SITE PLAN PROJECT: SANDOVAL GC A#1A SAN JUAN RIVER BASIN SAN JUAN COUNTY, NEW MEXICO igure No.: **Stantec** 2



LEGEND:

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APPENDICES

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION APPENDIX C – GROUNDWATER SAMPLING ANALYTICAL REPORTS

APPENDIX A



From:	Varsa, Steve
To:	Nelson.Velez@state.nm.us
Cc:	Bratcher, Mike, EMNRD; Wiley, Joe
Subject:	FW: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date:	Thursday, May 12, 2022 8:33:41 AM

Hi Nelson -

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

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	5/21/2022
Fields A#7A	nAUTOfAB000176	5/22/2022
Fogelson 4-1	nAUTOfAB000192	5/22/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/19/2022
GCU Com A #142E	nAUTOfAB000219	5/19/2022
James F. Bell #1E	nAUTOfAB000291	5/18/2022
Johnston Fed #4	nAUTOfAB000305	5/20/2022
Johnston Fed #6A	nAUTOfAB000309	5/20/2022
K27 LDO72	nAUTOfAB000316	5/21/2022
Knight #1	nAUTOfAB000324	5/19/2022
Lateral L 40 Line Drip	nAUTOfAB000335	5/18/2022
Miles Fed #1A	nAUTOfAB000391	5/21/2022
Sandoval GC A #1A	nAUTOfAB000635	5/20/2022
Standard Oil Com #1	nAUTOfAB000666	5/21/2022
State Gas Com N #1	nAUTOfAB000668	5/22/2022

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

Thank you, Steve

Stephen Varsa, P.G.

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

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From:	<u>Varsa, Steve</u>
То:	Nelson.Velez@state.nm.us
Cc:	Bratcher, Mike, EMNRD; Wiley, Joe
Subject:	El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date:	Wednesday, October 26, 2022 3:13:50 PM

Hi Nelson -

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

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOfAB000065	11/6/2022
Fields A#7A	nAUTOfAB000176	10/31/2022
Fogelson 4-1	nAUTOfAB000192	10/30/2022
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/3/2022
GCU Com A #142E	nAUTOfAB000219	11/2/2022
James F. Bell #1E	nAUTOfAB000291	11/4/2022
Johnston Fed #4	nAUTOfAB000305	11/5/2022
Johnston Fed #6A	nAUTOfAB000309	11/5/2022
K27 LDO72	nAUTOfAB000316	11/6/2022
Knight #1	nAUTOfAB000324	11/4/2022
Lateral L 40 Line Drip	nAUTOfAB000335	10/30/2022
Sandoval GC A #1A	nAUTOfAB000635	11/5/2022
Standard Oil Com #1	nAUTOfAB000666	11/6/2022
State Gas Com N #1	nAUTOfAB000668	11/1/2022

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

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

Thank you, Steve

Stephen Varsa, P.G., R.G.

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

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APPENDIX B





MANIFEST # / 3058
GENERATOR ZL Pasa
POINT OF ORIGIN Rig Visto Camp Station
TRANSPORTER Envirotech
DATE OF ALLING HORE SA PAL

. . . .

PHONE	E: (505) 632-0615 •	505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401							DATE 05.24.27 JOB # Sec Below				
LOAD			COMPLETE DES	CRIPTI	ON OF SHI	PMENT			TRANSPORTING COMPANY				
NO.	DESTINATION		MATERIAL		GRID	YDS	BBLS	DRUMS	ткт	F #	TRK#	TIME	DRIVER SIGNATURE
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	CHLORIDE TEST												I to or tampered with. I s been added or mixed
PASS	PAINT FILTER TEST		into the load. L										
_													

Received by OCD: 3/29/2023 9:12:26 PM Generator Onsite Contact

Signatures required prior to distribution of the legal document.

Phone



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By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with.

certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

As.

CHLORIDE TEST

PAINT FILTER TEST

Generator Onsite Contact

Signatures required prior to distribution of the legal document. DISTRIBUTION: White - Company Records / Billing Yellow - Customer 10

	ORIDE TESTING / PAINT FILTER TESTING	}
DATE	ZZ TIME 8:45 Am Attach	test strip here
CUSTOMER	Kinder Morgan	00.48
SITE	Pit Sites	B
DRIVER	A. MUSSO	9-
SAMPLE	Soil Straight With Dirt	
CHLORIDE TEST	-291 mg/Kg	6;
ACCEPTED	YES NO	5-
PAINT FILTER TEST	Time started 8:47 Time completed	3-
PASS	YES NO	-2
SAMPLER/ANALYST	rCR	1

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

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SPECIAL WASTE MANIFEST		Manifest Document No. SW - 01154					
Generator's Name	Generator's Address	MAM 95	52.1	Generate	or's Telephone No.		
KINDER MORGAN	1001 LOUISIANA BLUD, H	LOWSTON	ITX	505-	713-420-34=		
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Transporter #2 Company Name	Address	Telepho	ne No.		alements while the		
Environ Facility Name/Site Address	Facility ID (Permit) Number	Telepho 505		32-0615	neg gering gering Tate Wasan Nasah Tatad Shini aya Sh		
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GENERATOR'S CERTIFICATION: I hereby cert	lify that the contents of this shipment are fully and	accuratel	y descr	ribed above	by type and proper nar		
the special waste, and that such waste has been (Special Waste Requirements) in addition to any	tify that the contents of this shipment are fully and n managed, packaged, containerized and labeled i other applicable federal, state or local regulations	in accorda	y descr nce wit	h the requir	ements of 20.9.8 NMA		
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State of New Mexico Energy Minerals and Natural Resources

Form C-138 Revised August 1, 2011

Page 28 of 73

Oil Conservation Division 1220 South St. Francis Dr. Santa Fc, NM 87505 *Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE
1. Generator Name and Address: El Paso CGP Company L.L.C., 1001 Louisiana Street, Room 1445B, Houston, TX 77002
 Originating Site: Johnston Federal #4, Johnston Federal #6A, Sandoval GC A#1A, Canada Mesa #2, K-27 LD072, Standard Oil Com #1, Knight #1, Gallegos Canyon Unit #124E, GCU Com A #142E, Fields A#7A, State Gas Com N #1, Fogelson 4-1, Lat L 40, and James F. Bell #1E.
 Location of Material (Street Address, City, State or ULSTR): Unit N, Sec. 27, T31N, R09W; Unit F, Sec. 35, T31N, R09W; Unit C, Sec. 35, T30N, R09W; Unit I, Sec. 24, T24N, R06W; Unit E, Sec 5, T25N, R06W; Unit N, Sec. 36, T29N, R09W, Unit A, Sec. 5, T30N, R13W; Unit N, Sec. 35, T28N, R12W; Unit G, Sec. 25, R29N, R12W; Unit E, Sec. 34, T32N, R11W; Unit H, Sec. 16, T31N, R12W; Unit P, Sec. 4, T29N, R11W; Unit H, Sec. 13, T28N, R04W; and Unit P, Sec. 10, T30N, R13W, respectively.
 Source and Description of Waste: Historic releases occurred on the above-referenced property. As part of environmental investigation activities, monitoring wells will be sampled, and purged liquids will be removed from the Site. Estimated Volume1yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Discontinuity, representative or authorized agent for <u>El Paso CGP Company, LLC</u> PRINT & SIGN NAME certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste. Operator Use Only: Waste Acceptance Frequency I Monthly I Weekly I Per Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
🗇 MSDS Information 🛛 RCRA Hazardous Waste Analysis 🗇 Process Knowledge 🗇 Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, Doza Wildy Joseph Wilcy, representative for El Paso CGP Company, LLC authorize Envirotech to Generator Signature complete the required testing/sign the Generator Waste Testing Certification.
I, representative for do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
6. Transporter: Envirotech, Inc.
OCD Permitted Surface Waste Management Facility .
Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-001 1
Address of Facility: #43 Road 7175, South of Bloomfield NM
Method of Treatment and/or Disposal:
Evaporation Injection Treating Plant Injection Landfarm
Waste Acceptance Status:
PRINT NAME: TITLE: DATE:
SIGNATURE: TELEPHONE NO.:

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APPENDIX C



Received by OCD: 3/29/2023 9:12:26 PM

.....Links

Review your project results through

EOL

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www.eurofinsus.com/Env

Visit us at:

Expert

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🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-220393-1

Client Project/Site: Sandoval Revision: 1

For:

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

Attn: Steve Varsa

1bl/m/

Authorized for release by: 6/24/2022 11:10:23 AM Isabel Enfinger, Project Manager I (850)471-6237 isabel.enfinger@et.eurofinsus.com

Designee for

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

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

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

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

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Method Summary	5
Sample Summary	6
Client Sample Results	7
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Chronicle	13
QC Association	14
QC Sample Results	15
Chain of Custody	18
Receipt Checklists	19
Certification Summary	20

Case Narrative

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Job ID: 400-220393-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-220393-1

Comments

No additional comments.

Receipt

The samples were received on 5/24/2022 9:02 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

Revision

The samples for this project were stored and shipped with samples collected from the Fogelson #4-1 site (project 400-220395), which included a trip blank. The trip blank results from 400-222395 are applicable to the samples collected for this project site (No Detections).

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2 (400-220393-2). Elevated reporting limits (RLs) are provided.

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

VOA Prep

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

Detection Summary

Job ID: 400-220393-1

Lab Sample ID: 400-220393-1

Client: Stantec Consulting Services Inc
Project/Site: Sandoval

Client Sample ID: MW-1

No Detections.

Client Sample ID: MW-2					Lab San	nple ID: 4	00-220393-
 Analyte	Result	Qualifier	RL	Unit	Dil Fac D	Method	Prep Type
Benzene	4800		25	ug/L	25	8260C	Total/NA
Toluene	1400		25	ug/L	25	8260C	Total/NA
Xylenes, Total - DL	10000		500	ug/L	50	8260C	Total/NA
Client Sample ID: MW-5						nple ID: 4	00-220393-
No Detections.							
Client Sample ID: MW-4					Lab San	nple ID: 4	00-220393-
No Detections.							
Client Sample ID: DUP-01					Lab San	nple ID: 4	00-220393-
No Detections.							
-							

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Job ID: 400-220393-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Collected

05/21/22 17:25 05/24/22 09:02

05/21/22 17:20 05/24/22 09:02

05/21/22 17:10 05/24/22 09:02

05/21/22 17:05 05/24/22 09:02

05/21/22 18:00 05/24/22 09:02

Received

Matrix

Water

Water

Water

Water

Water

Client: Stantec Consulting Services Inc Project/Site: Sandoval

MW-1

MW-2

MW-5

MW-4

DUP-01

Lab Sample ID

400-220393-1

400-220393-2

400-220393-3

400-220393-4

400-220393-5

Client Sample ID

Released	to	Imaging:	5/16	/2024	11:20:49 AM	r
H ere work	*••	111112 112	01 1 01		TTOWARD IN THIS	

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5 6

Job ID: 400-220393-1

Client Sample Results

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Client Sample ID: MW-1 Date Collected: 05/21/22 17:25 **Date Received:**

Lab Sample ID: 400-220393-1

Matrix: Water

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Ethylbenzene <1.0	Method: 8260C - Volatile Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene <1.0	Benzene	<1.0		1.0	ug/L			05/27/22 12:41	1
Xylenes, Total <10 10 ug/L 05/27/22 12:41 1 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene 91 72 - 119 05/27/22 12:41 1 Dibromofluoromethane 109 75 - 126 05/27/22 12:41 1	Toluene	<1.0		1.0	ug/L			05/27/22 12:41	1
Surrogate%RecoveryQualifierLimitsPreparedAnalyzedDil Fac4-Bromofluorobenzene9172 - 11905/27/22 12:411Dibromofluoromethane10975 - 12605/27/22 12:411	Ethylbenzene	<1.0		1.0	ug/L			05/27/22 12:41	1
4-Bromofluorobenzene 91 72 - 119 05/27/22 12:41 1 Dibromofluoromethane 109 75 - 126 05/27/22 12:41 1	Xylenes, Total	<10		10	ug/L			05/27/22 12:41	1
Dibromofluoromethane 109 75 - 126 05/27/22 12:41 1	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene	91		72 - 119				05/27/22 12:41	1
Toluene-d8 (Surr) 92 64 - 132 05/27/22 12:41 1	Dibromofluoromethane	109		75 - 126				05/27/22 12:41	1
	Toluene-d8 (Surr)	92		64 - 132				05/27/22 12:41	1

Eurofins Pensacola

6/24/2022 (Rev. 1)
Client: Stantec Consulting Services Inc

Client Sample Results

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7

Job ID: 400-220393-1

Project/Site: Sandoval **Client Sample ID: MW-2** Date Collected: 05/21/22 17:20 Date Received: 05/24/22 09:02

Lab Sample	ID:	400-220393-2
		Matrix: Water

nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	4800		25	ug/L			05/27/22 15:38	2
Toluene	1400		25	ug/L			05/27/22 15:38	2
Ethylbenzene	<25		25	ug/L			05/27/22 15:38	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene	92		72 - 119				05/27/22 15:38	2
	100		75 - 126				05/27/22 15:38	2
Dibromofluoromethane	109		13-120				00/21/22 10:00	
Dibromofluoromethane Toluene-d8 (Surr)	89		64 - 132				05/27/22 15:38	2
	89	unds by G	64 - 132					
Toluene-d8 (Surr) Method: 8260C - Volatile C	89 Drganic Compo	unds by G Qualifier	64 - 132	Unit	D	Prepared		
Toluene-d8 (Surr) Method: 8260C - Volatile C Analyte	89 Drganic Compo		64 - 132 C/MS - DL	Unit ug/L	D	Prepared	05/27/22 15:38	2
Toluene-d8 (Surr) Method: 8260C - Volatile C Analyte Xylenes, Total	89 Drganic Compo Result	Qualifier	64 - 132 C/MS - DL RL		<u> </u>	Prepared	05/27/22 15:38 Analyzed	2 Dil Fa
Toluene-d8 (Surr) Method: 8260C - Volatile C Analyte Xylenes, Total Surrogate	89 Drganic Compo Result 10000	Qualifier	64 - 132 C/MS - DL RL 500		<u>D</u>		05/27/22 15:38 Analyzed 05/28/22 14:00	2 Dil Fa
Toluene-d8 (Surr)	89 Drganic Compo Result 10000 %Recovery	Qualifier	64 - 132 C/MS - DL RL 500 Limits		<u> </u>		05/27/22 15:38 Analyzed 05/28/22 14:00 Analyzed	2 Dil Fa 5 Dil Fa

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Client Sample ID: MW-5 Date Collected: 05/21/22 17:10 Date Received: 05/24/22 09:02

Jo	b ID: 400-220393-1

Lab Sample ID: 400-220393-3

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/27/22 17:17	1
Toluene	<1.0		1.0	ug/L			05/27/22 17:17	1
Ethylbenzene	<1.0		1.0	ug/L			05/27/22 17:17	1
Xylenes, Total	<10		10	ug/L			05/27/22 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		72 - 119		-		05/27/22 17:17	1
Dibromofluoromethane	104		75 - 126				05/27/22 17:17	1
Toluene-d8 (Surr)	93		64 - 132				05/27/22 17:17	1

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Client: Stantec Consulting Services Inc Project/Site: Sandoval

Client Sample ID: MW-4 Date Collected: 05/21/22 17:05 Date Received: 05/24/22 09:02

J	lob ID): 400	-2203	393-1

Lab Sample ID: 400-220393-4

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/27/22 17:42	1
Toluene	<1.0		1.0	ug/L			05/27/22 17:42	1
Ethylbenzene	<1.0		1.0	ug/L			05/27/22 17:42	1
Xylenes, Total	<10		10	ug/L			05/27/22 17:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		72 - 119				05/27/22 17:42	1
Dibromofluoromethane	106		75 - 126				05/27/22 17:42	1
Toluene-d8 (Surr)	91		64 - 132				05/27/22 17:42	1

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5 6 7

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Client Sample ID: DUP-01 Date Collected: 05/21/22 18:00 Date Received: 05/24/22 09:02

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_ Method: 8260C - Vol	atile Organic Compo	unds by GC/	MS		
Analyte	-	Qualifier	RL	Unit	D
Damaana			4.0		

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			05/27/22 18:06	1
Toluene	<1.0		1.0	ug/L			05/27/22 18:06	1
Ethylbenzene	<1.0		1.0	ug/L			05/27/22 18:06	1
Xylenes, Total	<10		10	ug/L			05/27/22 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		72 - 119				05/27/22 18:06	1
Dibromofluoromethane	107		75 - 126				05/27/22 18:06	1
Toluene-d8 (Surr)	92		64 - 132				05/27/22 18:06	1

Matrix: Water

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Job ID: 400-220393-1

Lab Sample ID: 400-220393-5

Definitions/Glossary

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Job ID: 400-220393-1

Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤ %R	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R CFL	Percent Recovery	
CFU	Contains Free Liquid	5
CFU	Colony Forming Unit	
DER	Contains No Free Liquid	
DER Dil Fac	Duplicate Error Ratio (normalized absolute difference) Dilution Factor	
DIFAC	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)	8
EDL	Estimated Detection Limit (Dioxin)	Ŭ
LOD	Limit of Detection (DoD/DOE)	Q
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	 10
NC	Not Calculated	13
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

TEQ TNTC Too Numerous To Count

Client: Stantec Consulting Services Inc

Lab Chronicle

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Job ID: 400-220393-1

Matrix: Water

Lab Sample ID: 400-220393-1

Client Sample ID: MW-1 Date Collected: 05/21/22 17:25 Date Received: 05/24/22 09:02

Project/Site: Sandoval

Ргер Туре	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis Instrumer	8260C nt ID: CH_CONAN		1	5 mL	5 mL	579175	05/27/22 12:41	WPD	TAL PEN
Client Sam Date Collecte Date Receive	d: 05/21/22 1	7:20					La	b Sample II		220393- trix: Wate
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis Instrumer	8260C nt ID: CH_CONAN		25	5 mL	5 mL	579175	05/27/22 15:38	WPD	TAL PEN
Total/NA	Analysis Instrumer	8260C nt ID: CH_CONAN	DL	50	5 mL	5 mL	579318	05/28/22 14:00	BPO	TAL PEN
	d: 05/21/22 1 d: 05/24/22 0								Ма	trix: Wate
Date Receive	d: 05/24/22 0 Batch	9:02 Batch	.	Dil	Initial	Final	Batch	Prepared		
Prep Type	d: 05/24/22 0 Batch Type	9:02 Batch Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Date Receive	d: 05/24/22 0 Batch Type Analysis	9:02 Batch	Run					•		
Prep Type Total/NA	d: 05/24/22 0 Batch Type Analysis Instrumer	9:02 Batch Method 8260C nt ID: CH_CONAN	Run	Factor	Amount	Amount	Number 579175	or Analyzed	Analyst WPD	Lab TAL PEN
Prep Type Total/NA Client Sam Date Collecte	d: 05/24/22 0 Batch Type Analysis Instrumer DIE ID: MW ed: 05/21/22 1	9:02 Batch Method 8260C nt ID: CH_CONAN 7-4 7:05	Run	Factor	Amount	Amount	Number 579175	or Analyzed 05/27/22 17:17	Analyst WPD D: 400-2	Lab TAL PEN 220393-
Prep Type Total/NA Client Sam Date Collecte	d: 05/24/22 0 Batch Type Analysis Instrumer DIE ID: MW ed: 05/21/22 1	9:02 Batch Method 8260C nt ID: CH_CONAN 7-4 7:05	Run	Factor	Amount	Amount	Number 579175	or Analyzed 05/27/22 17:17	Analyst WPD D: 400-2	Lab TAL PEN 220393-
Prep Type Total/NA Client Sam Date Collecte	d: 05/24/22 0 Batch Type Analysis Instrumer ple ID: MW cd: 05/21/22 1 d: 05/24/22 0	9:02 Batch Method 8260C nt ID: CH_CONAN 7-4 7:05 9:02	Run	Factor 1	Amount 5 mL	Amount 5 mL	Number 579175	or Analyzed 05/27/22 17:17 b Sample II	Analyst WPD D: 400-2	Lab TAL PEN 220393-
Prep Type Total/NA Client Sam Date Collecte Date Receive	d: 05/24/22 0 Batch Type Analysis Instrumer ple ID: MW d: 05/21/22 1 d: 05/24/22 0 Batch Type Analysis	9:02 Batch Method 8260C nt ID: CH_CONAN 7-4 7:05 9:02 Batch		Factor 1	Amount 5 mL	Amount 5 mL	Number 579175 La Batch	or Analyzed 05/27/22 17:17 b Sample II Prepared	Analyst WPD D: 400-2 Ma	Lab TAL PEN 220393- trix: Wate
Prep Type Total/NA Client Sam Date Collecte Date Receive Prep Type Total/NA	d: 05/24/22 0 Batch Type Analysis Instrumer ple ID: MW d: 05/21/22 1 d: 05/24/22 0 Batch Type Analysis Instrumer	9:02 Batch Method 8260C nt ID: CH_CONAN 7-4 7:05 9:02 Batch Method 8260C nt ID: CH_CONAN		Factor 1 Dil Factor	Amount 5 mL	Amount 5 mL	Number 579175 La Batch Number 579175	or Analyzed 05/27/22 17:17 b Sample II Prepared or Analyzed	Analyst WPD D: 400- Ma Analyst WPD	Lab TAL PEN 220393- trix: Wate Lab TAL PEN
Prep Type Total/NA Client Sam Date Collecte Date Receive Prep Type	d: 05/24/22 0 Batch Type Analysis Instrumer ple ID: MW d: 05/21/22 1 d: 05/24/22 0 Batch Type Analysis Instrumer ple ID: DUI d: 05/21/22 1	9:02 Batch Method 8260C at ID: CH_CONAN 7-4 7:05 9:02 Batch Method 8260C at ID: CH_CONAN P-01 8:00		Factor 1 Dil Factor	Amount 5 mL	Amount 5 mL	Number 579175 La Batch Number 579175	or Analyzed 05/27/22 17:17 b Sample II Prepared or Analyzed 05/27/22 17:42	Analyst WPD D: 400-/ Ma Analyst WPD D: 400-/	TAL PEN 220393-4 trix: Wate Lab TAL PEN

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	579175	05/27/22 18:06	WPD	TAL PEN
	Instrument	ID: CH_CONAN								

Laboratory References:

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

Eurofins Pensacola

Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc Project/Site: Sandoval

GC/MS VOA

Analysis Batch: 579175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220393-1	MW-1	Total/NA	Water	8260C	
400-220393-2	MW-2	Total/NA	Water	8260C	
400-220393-3	MW-5	Total/NA	Water	8260C	
400-220393-4	MW-4	Total/NA	Water	8260C	
400-220393-5	DUP-01	Total/NA	Water	8260C	
MB 400-579175/4	Method Blank	Total/NA	Water	8260C	
LCS 400-579175/1002	Lab Control Sample	Total/NA	Water	8260C	
400-220393-1 MS	MW-1	Total/NA	Water	8260C	
400-220393-1 MSD	MW-1	Total/NA	Water	8260C	

10 Lab Sample ID **Client Sample ID** Prep Type Matrix Method Prep Batch Total/NA 400-220393-2 - DL MW-2 Water 8260C 8260C MB 400-579318/4 Method Blank Total/NA Water LCS 400-579318/1002 Lab Control Sample Total/NA Water 8260C 400-220180-A-4 MS Total/NA Water 8260C Matrix Spike 12 13 400-220180-A-4 MSD Total/NA 8260C Matrix Spike Duplicate Water

Job ID: 400-220393-1

5 6 7

RL

1.0

1.0

1.0

10

Limits

72 - 119

75 - 126

64 - 132

Unit

ug/L

ug/L

ug/L

ug/L

D

Prepared

Prepared

Lab Sample ID: MB 400-579175/4

Analysis Batch: 579175

Matrix: Water

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Toluene-d8 (Surr)

MB MB

<1.0

<1.0

<1.0

<10

90

93

Result Qualifier

Job ID: 400-220393-1

Prep Type: Total/NA

Client Sample ID: Method Blank

Analyzed

05/27/22 12:16

05/27/22 12:16

05/27/22 12:16

MB MB %Recovery Qualifier Surrogate 4-Bromofluorobenzene Dibromofluoromethane 107

Lab Sample ID: LCS 400-579175/1002 Matrix: Water Analysis Batch: 579175

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	45.2		ug/L		90	70 - 130	
Toluene	50.0	45.8		ug/L		92	70 - 130	
Ethylbenzene	50.0	45.9		ug/L		92	70 - 130	
Xylenes, Total	100	93.0		ug/L		93	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	98		72 - 119
Dibromofluoromethane	100		75 - 126
Toluene-d8 (Surr)	93		64 - 132

Lab Sample ID: 400-220393-1 MS **Matrix: Water** Analysis Batch: 579175

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<1.0		50.0	40.0		ug/L		80	56 - 142	 _
Toluene	<1.0		50.0	40.8		ug/L		82	65 - 130	
Ethylbenzene	<1.0		50.0	40.5		ug/L		81	58 - 131	
Xylenes, Total	<10		100	81.8		ug/L		82	59 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	96		72 - 119
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	93		64 - 132

Lab Sample ID: 400-220393-1 MSD **Matrix: Water** Analysis Batch: 579175

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<1.0		50.0	45.2		ug/L		90	56 - 142	12	30
Toluene	<1.0		50.0	46.0		ug/L		92	65 - 130	12	30
Ethylbenzene	<1.0		50.0	46.1		ug/L		92	58 - 131	13	30

Eurofins Pensacola

Client Sample ID: MW-1

Prep Type: Total/NA

Dil Fac

1

1

1

Client Sample ID: MW-1 Prep Type: Total/NA

Released to Imaging: 5/16/2024 11:20:49 AM

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Lab Sample ID: 400-220393-1 MSD

Matrix: Water

Tetel

Analyte

Vilence

Analysis Batch: 579175

Sample Sa	ample S	Spike	MSD	MSD
oumpic of		pino	IN OD	INIOD

Result Qualifier

93.0

Unit

ug/L

D %Rec

93

Added

400

Xylenes, Iotal	<10		100
	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	97		72 - 119
Dibromofluoromethane	100		75 - 126
Toluene-d8 (Surr)	93		64 - 132
Ioluene-d8 (Surr)	93		64 - 132

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

Result Qualifier

-40

Lab Sample ID: MB 400-579318/4 **Matrix: Water**

Analysis Batch: 579318

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<10		10	ug/L			05/28/22 08:15	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofluorobenzene	%Recovery 91	Qualifier	Limits 72 - 119			Prepared	Analyzed	Dil Fac
		Qualifier			-	Prepared		Dil Fac 1 1

Lab Sample ID: LCS 400-579318/1002 **Matrix: Water** Analysis Batch: 579318

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Xylenes, Total			100	84.0		ug/L		84	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	92		72 - 119							
Dibromofluoromethane	104		75 - 126							
Toluene-d8 (Surr)	91		64 - 132							

Lab Sample ID: 400-220180-A-4 MS **Matrix: Water** Analysis Batch: 579318

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Xylenes, Total	<10		100	85.1		ug/L		85	59 - 130	·
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	94		72 - 119							
Dibromofluoromethane	104		75 - 126							
Toluene-d8 (Surr)	90		64 - 132							

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RPD

Limit

30

Job ID: 400-220393-1

Client Sample ID: MW-1

%Rec

Limits

59 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

RPD

13

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

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Client: Stantec Consulting Services Inc Project/Site: Sandoval Job ID: 400-220393-1

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

Lab Sample ID: 400-220180-A-4 MSD **Client Sample ID: Matrix Spike Duplicate Matrix: Water** Prep Type: Total/NA Analysis Batch: 579318 MSD MSD RPD Sample Sample Spike %Rec Analyte **Result Qualifier** Added Result Qualifier Unit D %Rec Limits RPD Limit Xylenes, Total <10 100 86.9 ug/L 87 59 - 130 2 30 MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 72 - 119 95 Dibromofluoromethane 103 75 - 126 Toluene-d8 (Surr) 92 64 - 132

CULUIIIS FENSACOIA 3355 McLemore Drive Pensacola, FL 32514 Phone: 850-474-1001 Fax: 850-478-2671	ch	ain of Custody Record	ord		Controlins Environment Testing America
Client Information	Gardner	Clary	Lab PM: Whitmire, Cheyenne R E.Mait	Carrier Tracking No(s):	COC No: 400-111407-37667.2
Steve Varsa Company:	(363) 2912239		Cheyenne. Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2020 / D.f. /
Stantec Consulting Services Inc	PWSID:		Analvsis Requested	auested	1
Autress. 11311 Aurora Avenue	Due Date Requested:				Preservation Codes:
uly. Data Shoines State Zho.	TAT Requested (days):				A - HCL M - Hexane B - NaOH N - None
IA, 50322-7904	19				
Phone:	PO #: WD1040021	((pəʌ		
Email: Steve.varsa@stantec.com	wo #: ERG-STN-05-06-22-SAH-15	ON JO	ıəsəıdı		
Project Name. Store One One Hatt DO- Sando Val	Project #: 40005479	-92)1			K - EDTA
sile Sounderal	#MOSS		7EX 83		Other:
	Sample	-	8 (dom)	of the second	
Sample Identification	Sample Date Time G=orah)	O=waste/oil.	560C - (uv ist	
	X	ation Code: X	8 4		Special Instructions/Note:
Pag	SZT1 222/12/2	Water	1		
2 - MW	5/21/2020/1720 G	Water			
	5/21/2022 1710 G	Water	~		
H-MW 20	Soci	Water	2	Kawa	
DUP-DI	5 4 hora 1800 C	Water	-		
		Water			
		Water		400-220393 COC	
		Water			
		Water			
		Water			
Possible Hazard Identification		Water			
Non-Hazard	Poison B Duhknown Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	assessed if samples are retain	ned longer than 1 month)
Upliverable Requested: I, II, IV, Other (specify)			Special Instructions/QC Requirements:	ints:	hive For Months
Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
	Date/Time: 523/2022 1215	Company	Received by:	Date/Time:	Company Company
	DateInime:	Company	Received by:	Date/Time:	
	Date/Time:	Company	Received by:	Date/Time:	Company
Oustooy Seals Intact: Custody Seal No.: △ Yes △ No			Cooler Temperature(s) °C and Other Remarks	emarks: 2.1°C 12	29
v. 1)				2	Ver: 06/08/2021

6/24/2022 (Rev. 1)

)

Released to Imaging: 5/16/2024 11:20:49 AM

Job Number: 400-220393-1

List Source: Eurofins Pensacola

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Login Number: 220393 List Number: 1 Creator: Whitley, Adrian

Login Number: 220393			List Source: Eurofins Pensacola	
List Number: 1 Creator: Whitley, Adrian				5
Question	Answer	Comment		6
Radioactivity wasn't checked or is = background as measured by a survey</td <td>N/A</td> <td>Common</td> <td></td> <td></td>	N/A	Common		
meter.				7
The cooler's custody seal, if present, is intact.	N/A			
Sample custody seals, if present, are intact.	N/A			8
The cooler or samples do not appear to have been compromised or tampered with.	True			9
Samples were received on ice.	True			
Cooler Temperature is acceptable.	True			10
Cooler Temperature is recorded.	True	2.1°C IR		
COC is present.	True			11
COC is filled out in ink and legible.	True			12
COC is filled out with all pertinent information.	True			
Is the Field Sampler's name present on COC?	True			13
There are no discrepancies between the containers received and the COC.	True			
Samples are received within Holding Time (excluding tests with immediate HTs)	True			14
Sample containers have legible labels.	True			
Containers are not broken or leaking.	True			
Sample collection date/times are provided.	True			
Appropriate sample containers are used.	True			
Sample bottles are completely filled.	True			
Sample Preservation Verified.	N/A			
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True			
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True			
Multiphasic samples are not present.	True			
Samples do not require splitting or compositing.	True			
Residual Chlorine Checked.	N/A			

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Project/Site: Sandoval

Laboratory: Eurofins Pensacola

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

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

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Job ID: 400-220393-1

Received by OCD: 3/29/2023 9:12:26 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa Stantec Consulting Services Inc 11311 Aurora Avenue Des Moines Iowa 50322-7904 Generated 11/18/2022 2:38:09 PM

JOB DESCRIPTION

Sandoval GC A #1A

JOB NUMBER

400-228573-1

Eurofins Pensacola 3355 McLemore Drive Pensacola FL 32514



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QC Association	15
QC Sample Results	16
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Case Narrative

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

Job ID: 400-228573-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-228573-1

Comments

No additional comments.

Receipt

The samples were received on 11/8/2022 9:32 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2 (400-228573-4). Elevated reporting limits (RLs) are provided.

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

VOA Prep

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

Job ID: 400-228573-1

	Received	bv (OCD :	3/29/2	023 9:	12:26 PM
--	-----------------	------	--------------	--------	--------	----------

Client: Stantec Consulting Services Inc

Job	ID:	400	-228	573	3-1

Lab Sample ID: 400-228573-1

Lab Sample ID: 400-228573-2

Lab Sample ID: 400-228573-3

Lab Sample ID: 400-228573-4

Lab Sample ID: 400-228573-5

Project/Site: Sandoval GC A #1A

Client Sample ID: TB-01

No Detections.

Client Sample ID: DUP-01

No Detections.

Client Sample ID: MW-1

No Detections.

Client Sample ID: MW-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	Method	Prep Type
Benzene	5700		50	ug/L	50	8260C	Total/NA
Toluene	1400		50	ug/L	50	8260C	Total/NA
Ethylbenzene	90		50	ug/L	50	8260C	Total/NA
Xylenes, Total	9600		500	ug/L	50	8260C	Total/NA

Client Sample ID: MW-4

No Detections.

Client Sample ID: MW-5 Lab Sample ID: 400-228						00-228573-6
Analyte	Result Qualifier	RL	Unit	Dil Fac D	Method	Prep Type
Benzene	2.5	1.0	ug/L	1	8260C	Total/NA

4

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

Job ID: 400-228573-1

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

Protocol References:

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

Laboratory References:

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

Eurofins Pensacola

3 4 5

Sample Summary

Collected

Received

11/05/22 18:20 11/08/22 09:32

11/05/22 12:00 11/08/22 09:32

11/05/22 18:40 11/08/22 09:32

11/05/22 18:52 11/08/22 09:32

11/05/22 18:30 11/08/22 09:32

11/05/22 19:00 11/08/22 09:32

Matrix

Water

Water

Water

Water

Water

Water

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

TB-01

MW-1

MW-2

MW-4

MW-5

DUP-01

Lab Sample ID

400-228573-1

400-228573-2

400-228573-3

400-228573-4

400-228573-5

400-228573-6

Client Sample ID

loh	ID	41

Job ID: 400-228573-1

1	<i>.</i>
	5
	6
	8
	9
	13

RL

1.0

1.0

1.0

10

Limits

72 - 119

75 - 126

64 - 132

Unit

ug/L

ug/L

ug/L

ug/L

D

Prepared

Prepared

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Result Qualifier

<1.0

<1.0

<1.0

<10

%Recovery Qualifier

98

99

97

Client Sample ID: TB-01 Date Collected: 11/05/22 18:20 Date Received: 11/08/22 09:32

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8 (Surr)

Surrogate

Job ID: 400-228573-1

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Dil Fac

Dil Fac

1

1

1

1

1

1

1

Analyzed

11/16/22 19:42

11/16/22 19:42

11/16/22 19:42

11/16/22 19:42

Analyzed

11/16/22 19:42

11/16/22 19:42

11/16/22 19:42

Lab Sample ID: 400-228573-1 Matrix: Water

Eurofins Pensacola

Released to Imaging: 5/16/2024 11:20:49 AM

RL

1.0

1.0

1.0

10

Limits

72 - 119

75 - 126

64 - 132

Unit

ug/L

ug/L

ug/L

ug/L

D

Prepared

Prepared

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Result Qualifier

<1.0

<1.0

<1.0

<10

%Recovery Qualifier

98

105

95

Client Sample ID: DUP-01 Date Collected: 11/05/22 12:00 Date Received: 11/08/22 09:32

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8 (Surr)

Surrogate

Job ID: 400-228573-1

Lab Sample ID: 400-228573-2 Matrix: Water

RL

1.0

1.0

1.0

10

Limits

72 - 119

75 - 126

64 - 132

Unit

ug/L

ug/L

ug/L

ug/L

D

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Result Qualifier

<1.0

<1.0

<1.0

<10

%Recovery Qualifier

98

99

98

Client Sample ID: MW-1 Date Collected: 11/05/22 18:40 Date Received: 11/08/22 09:32

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8 (Surr)

Surrogate

Lab Sample ID: 400-228573-3 Matrix: Water

Matrix: Water

Prepared	Analyzed	Dil Fac
	11/10/22 19:29	1
	11/10/22 19:29	1
	11/10/22 19:29	1
	11/10/22 19:29	1
Prepared	Analyzed	Dil Fac
	11/10/22 19:29	1
	11/10/22 19:29	1
	11/10/22 19:29	1

Eurofins Pensacola

5

7

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Client: Stantec Consulting Services Inc

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

Result Qualifier

5700

1400

9600

90

%Recovery Qualifier

98

98

99

Client Sample Results

RL

50

50

50

500

Limits

72 - 119

75 - 126

64 - 132

Unit

ug/L

ug/L

ug/L

ug/L

D

Prepared

Prepared

Page 59 of 73

Dil Fac

50

50

50

50

50

50

50

Dil Fac

Job ID: 400-228573-1

Project/Site: Sandoval GC A #1A Client Sample ID: MW-2 Date Collected: 11/05/22 18:52

Date Received: 11/08/22 09:32

Analyte

Benzene

Toluene

Surrogate

Ethylbenzene

Xylenes, Total

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8 (Surr)

Lab Sample ID: 400-228573-4 Matrix: Water

Analyzed

11/11/22 14:44

11/11/22 14:44

11/11/22 14:44

11/11/22 14:44

Analyzed

11/11/22 14:44

11/11/22 14:44

11/11/22 14:44

RL

1.0

1.0

1.0

10

Limits

72 - 119

75 - 126

64 - 132

Unit

ug/L

ug/L

ug/L

ug/L

D

Prepared

Prepared

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Result Qualifier

<1.0

<1.0

<1.0

<10

%Recovery Qualifier

99

105

96

Client Sample ID: MW-4 Date Collected: 11/05/22 18:30 Date Received: 11/08/22 09:32

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8 (Surr)

Surrogate

Lab Sample ID: 400-228573-5

Analyzed

11/17/22 02:24

11/17/22 02:24

11/17/22 02:24

11/17/22 02:24

Analyzed

11/17/22 02:24

11/17/22 02:24

11/17/22 02:24

Matrix: Water

Page 60 of 73

Dil Fac

Dil Fac

1

1

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1

5	
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9	
13	
14	

Released to Imaging: 5/16/2024 11:20:49 AM

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

Client Sample ID: MW-5 Date Collected: 11/05/22 19:00 Date Received: 11/08/22 09:32

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11/18/2022

Eurofins Pensacola

Job ID: 400-228573-1

Lab Sample ID: 400-228573-6

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		1.0	ug/L			11/11/22 13:03	1
Toluene	<1.0		1.0	ug/L			11/11/22 13:03	1
Ethylbenzene	<1.0		1.0	ug/L			11/11/22 13:03	1
Xylenes, Total	<10		10	ug/L			11/11/22 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119				11/11/22 13:03	1
Dibromofluoromethane	103		75 - 126				11/11/22 13:03	1
Toluene-d8 (Surr)	96		64 - 132				11/11/22 13:03	1

Definitions/Glossary

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

Job ID: 400-228573-1

	P	age	<i>62</i>	of	73
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Glossary		3.
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	4
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	0
DLC	Decision Level Concentration (Radiochemistry)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	13
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Client: Stantec Consulting Services Inc

Lab Chronicle

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Job ID: 400-228573-1

Lab Sample ID: 400-228573-1 Matrix: Water

Client Sample ID: TB-01 Date Collected: 11/05/22 18:20 Date Received: 11/08/22 09:32

Project/Site: Sandoval GC A #1A

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis Instrumer	8260C nt ID: CH_LARS		1	5 mL	5 mL	601034	11/16/22 19:42	BPO	EET PEN
lient Sam	ple ID: DU	P-01					La	b Sample I	D: 400-	228573-
	d: 11/05/22 1 d: 11/08/22 0								Ма	trix: Wate
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	601034	11/17/22 01:59	BPO	EET PEN
	Instrumer	nt ID: CH_LARS								
lient Sam							La	b Sample I		
ate Collecte ate Receive									Ма	trix: Wate
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	600019	11/10/22 19:29	BPO	EET PEN
	Instrumer	nt ID: CH_LARS								
							Eu	b Sample I		
Date Collecte Date Receive	d: 11/05/22 1 d: 11/08/22 0 Batch	8:52 9:32 Batch	Pun	Dil	Initial	Final	Batch	Prepared	Ма	trix: Wate
Date Collecte Date Receive Prep Type	d: 11/05/22 1 d: 11/08/22 0 Batch Type	8:52 9:32 Batch Method	Run	Factor	Amount	Amount	Batch Number	Prepared or Analyzed	Ma Analyst	trix: Wate
oate Collecte oate Receive Prep Type	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis	8:52 9:32 Batch	Run				Batch	Prepared	Ма	trix: Wat
Prep Type Total/NA	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1	8:52 9:32 Batch <u>Method</u> 8260C at ID: CH_LARS 7-4 8:30	Run	Factor	Amount	Amount	Batch Number 600211	Prepared or Analyzed	Ma Analyst AGW D: 400-	Lab EET PEN 228573
Prep Type Total/NA	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1	8:52 9:32 Batch <u>Method</u> 8260C at ID: CH_LARS 7-4 8:30	Run	Factor	Amount	Amount	Batch Number 600211	Prepared or Analyzed 11/11/22 14:44	Ma Analyst AGW D: 400-	Lab EET PEN 228573
Prep Type Total/NA	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1 d: 11/08/22 0	8:52 9:32 Batch Method 8260C at ID: CH_LARS 7-4 8:30 9:32	Run Run	Factor 50	Amount 5 mL	Amount 5 mL	Batch Number 600211	Prepared or Analyzed 11/11/22 14:44 b Sample I	Ma Analyst AGW D: 400- Ma Analyst	Lab EET PEN 228573-
Date Collecte Date Receive Prep Type Total/NA Client Sam Date Collecte	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis	8:52 9:32 Batch Method 8260C nt ID: CH_LARS 7-4 8:30 9:32 Batch Method 8260C		Factor 50 Dil	Amount 5 mL	Amount 5 mL	Batch Number 600211 La Batch	Prepared or Analyzed 11/11/22 14:44 b Sample I Prepared	Ma Analyst AGW D: 400- Ma	Lab EET PEN 228573- trix: Wate
Total/NA Client Sam Date Collecte Date Receive Prep Type	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1	8:52 9:32 Batch Method 8260C nt ID: CH_LARS /-4 8:30 9:32 Batch Method 8260C nt ID: CH_LARS /-5 9:00		Factor 50 Dil Factor	Amount 5 mL	Amount 5 mL Final Amount	Batch Number 600211 La Batch Number 601034	Prepared or Analyzed 11/11/22 14:44 b Sample I Prepared or Analyzed	Ma Analyst AGW D: 400- Ma Analyst BPO D: 400-	Lab EET PEN 228573- trix: Wate EET PEN 228573-
Date Collecte Date Receive Prep Type Total/NA Date Collecte Date Receive Prep Type Total/NA	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1	8:52 9:32 Batch Method 8260C nt ID: CH_LARS /-4 8:30 9:32 Batch Method 8260C nt ID: CH_LARS /-5 9:00		Factor 50 Dil Factor	Amount 5 mL	Amount 5 mL Final Amount	Batch Number 600211 La Batch Number 601034	Prepared or Analyzed 11/11/22 14:44 b Sample I Prepared or Analyzed 11/17/22 02:24	Ma Analyst AGW D: 400- Ma Analyst BPO D: 400-	Lab EET PEN 228573- trix: Wate EET PEN
Prep Type Total/NA Client Sam Prep Type Total/NA Prep Type Total/NA	d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1 d: 11/08/22 0 Batch Type Analysis Instrumer ple ID: MW d: 11/05/22 1 d: 11/08/22 0	8:52 9:32 Batch Method 8260C at ID: CH_LARS /-4 8:30 9:32 Batch Method 8260C at ID: CH_LARS /-5 9:00 9:32		Factor 50 Dil Factor 1	Amount 5 mL Initial Amount 5 mL	Amount 5 mL Final Amount 5 mL	Batch Number 600211 La Batch Number 601034 La	Prepared or Analyzed 11/11/22 14:44 b Sample I Prepared or Analyzed 11/17/22 02:24 b Sample I	Ma Analyst AGW D: 400- Ma Analyst BPO D: 400-	Lab EET PEN 228573- trix: Wate EET PEN 228573-

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

QC Association Summary

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

GC/MS VOA

Analysis Batch: 600019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228573-3	MW-1	Total/NA	Water	8260C	
MB 400-600019/4	Method Blank	Total/NA	Water	8260C	
LCS 400-600019/1002	Lab Control Sample	Total/NA	Water	8260C	
400-228567-A-3 MS	Matrix Spike	Total/NA	Water	8260C	
400-228567-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Lab Sample ID	Client Sample ID
400-228573-4	MW-2

_
1

Analysis Batch: 601034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228573-1	TB-01	Total/NA	Water	8260C	
400-228573-2	DUP-01	Total/NA	Water	8260C	
400-228573-5	MW-4	Total/NA	Water	8260C	
MB 400-601034/4	Method Blank	Total/NA	Water	8260C	
LCS 400-601034/1002	Lab Control Sample	Total/NA	Water	8260C	
400-228854-A-9 MS	Matrix Spike	Total/NA	Water	8260C	
400-228854-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

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Job ID: 400-228573-1

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Lab Sample ID: MB 400-600019/4 Matrix: Water

Analysis Batch: 600019								
-	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/10/22 11:30	1
Toluene	<1.0		1.0	ug/L			11/10/22 11:30	1
Ethylbenzene	<1.0		1.0	ug/L			11/10/22 11:30	1
Xylenes, Total	<10		10	ug/L			11/10/22 11:30	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	100		72 - 119
Dibromofluoromethane	101		75 - 126
Toluene-d8 (Surr)	98		64 - 132

Lab Sample ID: LCS 400-600019/1002 Matrix: Water Analysis Batch: 600019

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	51.3		ug/L		103	70 - 130	
Toluene	50.0	50.0		ug/L		100	70 - 130	
Ethylbenzene	50.0	49.5		ug/L		99	70 - 130	
Xylenes, Total	100	96.9		ug/L		97	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	96		75 - 126
Toluene-d8 (Surr)	95		64 - 132

Lab Sample ID: 400-228567-A-3 MS Matrix: Water Analysis Batch: 600019

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<1.0		50.0	51.9		ug/L		104	56 - 142	
Toluene	<1.0		50.0	47.6		ug/L		95	65 - 130	
Ethylbenzene	<1.0		50.0	40.7		ug/L		81	58 - 131	
Xylenes, Total	<10		100	82.1		ug/L		82	59 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	95		75 - 126
Toluene-d8 (Surr)	97		64 - 132

Lab Sample ID: 400-228567-A-3 MSD Matrix: Water Analysis Batch: 600019

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<1.0		50.0	51.7		ug/L		103	56 - 142	0	30
Toluene	<1.0		50.0	45.5		ug/L		91	65 - 130	4	30
Ethylbenzene	<1.0		50.0	38.1		ug/L		76	58 - 131	7	30

Prep Type: Total/NA

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

Analyzed

11/10/22 11:30

11/10/22 11:30

11/10/22 11:30

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prepared

Dil Fac

1

1

1

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

Client Sample ID: Matrix Spike Duplicate

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Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A Job ID: 400-228573-1

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

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Lab Sample ID: 400-22 Matrix: Water						Client	Sam	ple ID: N	latrix Spike I Prep Type:	
Analysis Batch: 60001	Sample S	•	Spike	MSD	-				%Rec	RPD
Analyte	Result 0	Qualifier	Added		Qualifier	Unit	[0 %Rec		PD Limit
Xylenes, Total	<10		100	75.8		ug/L		76	59 - 130	8 30
	MSD I	NSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	94		72 - 119							
Dibromofluoromethane	95		75 - 126							
			- / /							
Toluene-d8 (Surr) Lab Sample ID: MB 400 Matrix: Water	99 0-600211/4		64 - 132				СІ	ient San	nple ID: Methe Prep Type:	
Lab Sample ID: MB 400	0-600211/4 1	4D MD	64 - 132				CI	ient San	· ·	
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021	0-600211/4 1	//B MB ult Qualifier			Unit				Prep Type:	Total/NA
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021 Analyte	0-600211/4 1 	IB MB ult Qualifier	64 - 132 		<u>Unit</u>			ient Sam Prepared	· ·	Total/NA Dil Fac
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021 Analyte Benzene	0-600211/4 1 	ult Qualifier	RL						Prep Type: Analyzed	Total/NA Dil Fac 1 1
Lab Sample ID: MB 400 Matrix: Water	0-600211/4 1 	ult Qualifier			ug/L				Prep Type: 	Dil Fac 1 1 1 1
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021 Analyte Benzene Toluene	0-600211/4 1 	ult Qualifier	RL 1.0 1.0		ug/L ug/L				Prep Type: <u>Analyzed</u> <u>11/11/22 10:3</u> 11/11/22 10:3	Total/NA Dil Fac 1 1 1 1
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021 Analyte Benzene Toluene Ethylbenzene	0-600211/4 1 I <u>Res</u> <	ult Qualifier 1.0 1.0 1.0			ug/L ug/L ug/L				Prep Type: Analyzed 11/11/22 10:3 11/11/22 10:3 11/11/22 10:3	Total/NA Dil Fac 1 1 1 1
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021 Analyte Benzene Toluene Ethylbenzene	0-600211/4 1	ult Qualifier 1.0 1.0 1.0 10	RL 1.0 1.0 1.0 1.0 1.0		ug/L ug/L ug/L		<u>D</u>		Prep Type: Analyzed 11/11/22 10:3 11/11/22 10:3 11/11/22 10:3	Total/NA Dil Fac 1 1 1 1
Lab Sample ID: MB 400 Matrix: Water Analysis Batch: 60021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	0-600211/4 1 r Res < < < < / / %Recove	ult Qualifier 1.0	RL 1.0 1.0 1.0 1.0 1.0		ug/L ug/L ug/L		<u>D</u>	Prepared	Analyzed 11/11/22 10:3 11/11/22 10:3 11/11/22 10:3 11/11/22 10:3 11/11/22 10:3	Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Lab Sample ID: LCS 400-600211/1002 Matrix: Water Analysis Batch: 600211

Toluene-d8 (Surr)

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

11/11/22 10:31

1

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	53.0		ug/L		106	70 - 130	
Toluene	50.0	51.3		ug/L		103	70 - 130	
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130	
Xylenes, Total	100	98.4		ug/L		98	70 - 130	

64 - 132

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	89		72 - 119
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	96		64 - 132

Lab Sample ID: 400-228573-6 MS Matrix: Water

Analysis Batch: 600211 Sample Sample Spike MS MS %Rec Analyte **Result Qualifier** Added Result Qualifier Unit D %Rec Limits 2.5 Benzene 50.0 58.2 111 56 - 142 ug/L <1.0 50.0 54.3 Toluene ug/L 109 65 - 130 Ethylbenzene <1.0 50.0 52.4 ug/L 105 58 - 131 Xylenes, Total <10 100 104 ug/L 104 59 - 130

Eurofins Pensacola

Client Sample ID: MW-5

Prep Type: Total/NA

Eurolins Pensa

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Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Lab Sample ID: 400-228573-6 MS **Matrix: Water** Analysis Batch: 600211

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	90		72 - 119
Dibromofluoromethane	98		75 - 126
Toluene-d8 (Surr)	96		64 - 132

Lab Sample ID: 400-228573-6 MSD **Matrix: Water** Analysis Batch: 600211

Analysis Baton. 000211	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	•	Qualifier	Added	_	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	2.5		50.0	58.4		ug/L		112	56 - 142	0	30
Toluene	<1.0		50.0	51.8		ug/L		104	65 - 130	5	30
Ethylbenzene	<1.0		50.0	49.1		ug/L		98	58 - 131	6	30
Xylenes, Total	<10		100	97.6		ug/L		98	59 - 130	6	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	93		72 - 119
Dibromofluoromethane	96		75 - 126
Toluene-d8 (Surr)	97		64 - 132

Lab Sample ID: MB 400-601034/4 **Matrix: Water** Analysis Batch: 601034

	MB M	ИВ						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			11/16/22 17:37	1
Toluene	<1.0		1.0	ug/L			11/16/22 17:37	1
Ethylbenzene	<1.0		1.0	ug/L			11/16/22 17:37	1
Xylenes, Total	<10		10	ug/L			11/16/22 17:37	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97	72 - 119		11/16/22 17:37	1
Dibromofluoromethane	103	75 - 126		11/16/22 17:37	1
Toluene-d8 (Surr)	97	64 - 132		11/16/22 17:37	1

Lab Sample ID: LCS 400-601034/1002 **Matrix: Water** Analysis Batch: 601034

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	53.5		ug/L		107	70 - 130	
Toluene	50.0	51.5		ug/L		103	70 - 130	
Ethylbenzene	50.0	51.2		ug/L		102	70 - 130	
Xylenes, Total	100	101		ug/L		101	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	86		72 - 119
Dibromofluoromethane	99		75 - 126

Eurofins Pensacola

Prep Type: Total/NA

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Job ID: 400-228573-1

Client Sample ID: MW-5

Client Sample ID: MW-5

Prep Type: Total/NA

Prep Type: Total/NA

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

Client Sample ID: Lab Control Sample

Job ID: 400-228573-1

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Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

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

Lab Sample ID: LCS 400-601034/1002 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 601034 LCS LCS %Recovery Qualifier Limits Surrogate Toluene-d8 (Surr) 95 64 - 132 Lab Sample ID: 400-228854-A-9 MS **Client Sample ID: Matrix Spike** Matrix: Water Prep Type: Total/NA Analysis Batch: 601034 Sample Sample Spike MS MS %Rec Result Qualifier Added **Result Qualifier** Limits Analyte Unit D %Rec Benzene <1.0 50.0 54.6 ug/L 108 56 - 142 Toluene <1.0 50.0 51.5 ug/L 103 65 - 130 Ethylbenzene <1.0 50.0 47.6 ug/L 95 58 - 131 ug/L Xylenes, Total <10 100 96.3 96 59 - 130 MS MS Qualifier Limits Surrogate %Recovery 72 - 119 4-Bromofluorobenzene 86 Dibromofluoromethane 96 75 - 126 Toluene-d8 (Surr) 64 - 132 97 Lab Sample ID: 400-228854-A-9 MSD **Client Sample ID: Matrix Spike Duplicate Matrix: Water** Prep Type: Total/NA Analysis Batch: 601034 MSD MSD %Rec RPD Sample Sample Spike Analyte **Result Qualifier** Added **Result Qualifier** Unit %Rec Limits RPD Limit D Benzene <1.0 50.0 55.9 ug/L 111 56 - 142 2 30 Toluene 30 <1.0 50.0 54.4 ug/L 109 65 - 130 5 Ethylbenzene <1.0 50.0 52.6 ug/L 105 58 - 131 10 30 <10 100 107 ug/L 107 59 - 130 10 30 Xylenes, Total MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene 89 72 - 119 95 75 - 126 Dibromofluoromethane 97 64 - 132 Toluene-d8 (Surr)

Phone: 850-474-1001 Fax: 850-478-2671			1	•		an a
lient Information	Sampler: S. R. C.		Lab PM: Whitmire, Cheye.		Carrier Tracking No(s):	COC No: 400-114517-37675.3
Client Contact: Steve Varsa	Phone: 913 98(0 02 81	E-Mail: Cheyenne.Whitm	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	$_{igin:}\mathcal{UM}_{\mathcal{M}}$	Page: Page: 3 of 3 1 cf 1
Company: Stantec Consulting Services Inc		PWSID:	 	Analysis Requested		Job #:
Address: 11311 Aurora Avenue	Due Date Requested:		a a			
City. Des Moines	TAT Requested (days):	0				B - NaOH N - None B - NaOH O - AsNaO2 C - Zh Acetate P - Na2O4S
State, .zip: IA, 50322-7904	Compliance Project: ∆ Yes	∆ No			* 1 	
Phone:	PO #: WD1040031			23		G - Amchlor H - Ascorbic Acid
Email: steve.varsa@stantec.com	wo# ERG-STN-10-07-22-SAH-07	-07	and the second s	χ 400-228573 CUC		I - Ice J - DI Water
Project Name: Johnston Fed #4.00 Semity Sandov (1) SC 4	Project #: 40005479		and the second se	<u>a 1</u> 8		K - EDTA L - EDA
	:#MOSS		V) as	<u>)</u>		Other:
STN-13		Sample Má Type (w	Matrix (v ^{=water} , m MS/M	709		Илтрег
Sample Identification	Sample Date Time	(C=comp, G=qrab)	Perfor	28		Special Instructions/Note:
		10	Ř	N AND STREET		
10 - CI	0231 202/5/W		Water \			
10-070	11/5/2022	× 5	Water			
1-2-2	0/31 2021511	5	1-	3	Ce 1	3
Z-MU	11/212020 1852	S with	He	2		
MW - 4	WISINE 1830	C Wat	H, - 2			×
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		5				and the second sec
		XIV			<u>(, 1,)</u>	
	2				. 11.3	
					*	
Possible Hazard Identification	son B Unknown] Radiological	Sample	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) — Return To Client — Disposal Bv Lab — Archive For Mon	if samples are retai	stained longer than 1 month) Archive For Months
I, III, IV, Other (specify)			Special	Special Instructions/QC Requirements:		
Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by: Lin N Clim	Date/Time://///2000	Company	1	Received by:	Date/Time:	Сотралу
Relinquished by:	Date/Time:	Сотралу		Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company		Received by:	Date/Time:	2 9:32 Company
Custody Seals Intact: Custody Seal No.:			Coole	Cooler Temperature(s) °C and Other Remarks:	7	6. 3 P

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Login Number: 228573 List Number: 1 Creator: Perez, Trina M

Question	Answer	Comment	
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> <td></td>	N/A		
The cooler's custody seal, if present, is intact.	True		
Sample custody seals, if present, are intact.	N/A		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True	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		1
There are no discrepancies between the containers received and the COC.	True		2
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Job Number: 400-228573-1

List Source: Eurofins Pensacola

Eurofins Pensacola Released to Imaging: 5/16/2024 11:20:49 AM Authority

Alabama

California

Florida

Georgia

Illinois

Kansas

Arkansas DEQ

Kentucky (UST)

Kentucky (WW)

Louisiana (All)

Maryland

Michigan

Oklahoma

Tennessee

Texas

USDA

Virginia

Pennsylvania

South Carolina

US Fish & Wildlife

West Virginia DEP

Louisiana (DW)

North Carolina (WW/SW)

ANAB

Accreditation/Certification Summary

TN02907

A22340

460166

136

T104704286

P330-21-00056

96026

Client: Stantec Consulting Services Inc Project/Site: Sandoval GC A #1A

Laboratory: Eurofins Pensacola

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

Program

ISO/IEC 17025

State

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US Federal Programs

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Identification Number	Expiration Date	
40150	06-30-23	
L2471	02-23-23	5
88-0689	09-01-23	
2510	06-30-23	
E81010	06-30-23	
E81010(FL)	06-30-23	
200041	10-09-23	
E-10253	10-31-23	
53	06-30-23	
KY98030	12-31-22	
30976	06-30-23	
LA017	12-31-22	
233	09-30-23	
9912	06-30-23	
314	12-31-22	
9810	08-31-23	
68-00467	01-31-23	

06-30-23

06-30-23

09-30-23

06-30-23

05-17-24

06-14-23

03-31-23

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Job ID: 400-228573-1

Job Notes

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

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Authorization

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Authorized for release by Isabel Enfinger, Project Manager I isabel.enfinger@et.eurofinsus.com Designee for Cheyenne Whitmire, Project Manager II Cheyenne.Whitmire@et.eurofinsus.com (850)471-6222 Page 72 of 73

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 202115

CONDITIONS Operator: OGRID: El Paso Natural Gas Company, L.L.C 7046 1001 Louisiana Street Action Number: Houston, TX 77002 202115 Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS Created By Condition Condition Date 2022 ANNUAL GROUNDWATER REPORT Sandoval GC A#1A Incident Number: nAUTOfAB000635 has been accepted as part of the record. 5/16/2024 michael.buchanan Further information for RFI is currently pending.