2023 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: -107.753601
Land Type: Federal
Operator: 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. A detailed Site history is provided in Appendix A.

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, and the release has been assigned Spill Number nCS1803742861. Four monitoring wells (BPMW-1 through BPMW-4) were installed by BP from August to December 2011. Monitoring well BPMW-2 was documented containing light non-aqueous phase liquid (LNAPL) beginning in March 2013, and continues to contain concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents exceeding applicable New Mexico Water Quality Conservation Commission (NMWQCC) standards. 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.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via email to the NMOCD on May 12, 2023, and November 2, 2023, prior to initiating groundwater sampling activities at the Site. Copies of the 2023 NMOCD notifications are provided in Appendix B. On

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May 19 and November 11, 2023, water levels were gauged at MW-1 through MW-5. No LNAPL was detected in EPCGP site monitoring wells during water level gauging in 2023. Monitoring well MW-3 was dry during the May and November sampling events, and therefore no samples could be collected from that location.

Groundwater samples were collected using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the screened interval.

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 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) in Bloomfield, New Mexico for disposal. Waste disposal documentation is included as Appendix C.

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 2023 groundwater sampling events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the southeast during 2023 (see Figure 4 and 6).
- LNAPL was not observed at the Site during the 2023 sampling events.
- Groundwater samples collected in 2023 from MW-2 exceeded the 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 2023.
- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or were not detected in each of the Site monitoring wells sampled in 2023.
- Groundwater samples collected in November 2023 from MW-2 exceeded the NMWQCC

standard (750 µg/L) for ethylbenzene in groundwater. Ethylbenzene was either below the NMWQCC standard or was not detected in the remaining groundwater samples collected from Site monitoring wells during 2023.

- Groundwater samples collected in 2023 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 2023.

- 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 2023 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, resubmitted on March 31, 2022. EPCGP summarized the rationale for the NFA request with the NMOCD during a conference call held on March 7, 2024.

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. The remaining EPCGP monitoring wells have had BTEX concentrations in groundwater below applicable NMWQCC standards since at least November 2021. 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.

TABLES

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Sandoval GC A #1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC 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

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Sandoval GC A #1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/12/19	<1.0	<1.0	<1.0	<10
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-1	05/19/23	<1.0	<1.0	<1.0	<10
DUP-01(MW-1)*	05/19/23	<1.0	<1.0	<1.0	<10
MW-1	11/11/23	<1.0	<1.0	<1.0	<10
DUP-01(MW-1)*	11/11/23	<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
DUP-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-2	05/19/23	5300	610	670	7600
MW-2	11/11/23	6000	240	760	8100
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

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Sandoval GC A #1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
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
MW-3	05/21/22	NS	NS	NS	NS
MW-3	11/05/22	NS	NS	NS	NS
MW-3	05/19/23	NS	NS	NS	NS
MW-3	11/11/23	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-01(MW-4)*	05/22/19	47	<1.0	<1.0	<10
MW-4	11/12/19	17	<1.0	<1.0	<10
DUP-01(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-01(MW-4)*	11/13/20	3.6	<1.0	<1.0	<10
MW-4	05/18/21	14	<1.0	<1.0	<10
DUP-01(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-01(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-01(MW-4)*	11/05/22	<1.0	<1.0	<1.0	<10
MW-4	05/19/23	<1.0	<1.0	<1.0	<10
MW-4	11/11/23	<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

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Sandoval GC A #1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
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
MW-5	05/19/23	2.0	<1.0	<1.0	<10
MW-5	11/11/23	<1.0	<1.0	<1.0	<10

Notes:
"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.

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Sandoval GC A #1A						
Location	Date	TOC	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	35.14		5681.49
MW-1	01/06/98	5716.63	NR	35.10		5681.53
MW-1	04/23/98	5716.63	NR	35.15		5681.48
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

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Sandoval GC A #1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
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		5681.71
MW-1	11/13/20	5716.63	ND	35.11		5681.52
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-1	05/19/23	5716.63	ND	35.65		5680.98
MW-1	11/11/23	5716.63	ND	35.69		5680.94
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-2	05/19/23	5717.56	ND	36.54		5681.02
MW-2	11/11/23	5717.56	ND	36.55		5681.01
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	10/16/16	5718.73	ND	44.19		5674.54
MW-3	06/08/17	5718.73	ND	44.87		5673.86
MW-3	11/11/17	5718.73	ND	43.82		5674.91
MW-3	05/16/18	5718.73	ND	44.50		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

TABLE 2 - GROUNDWATER ELEVATION RESULTS

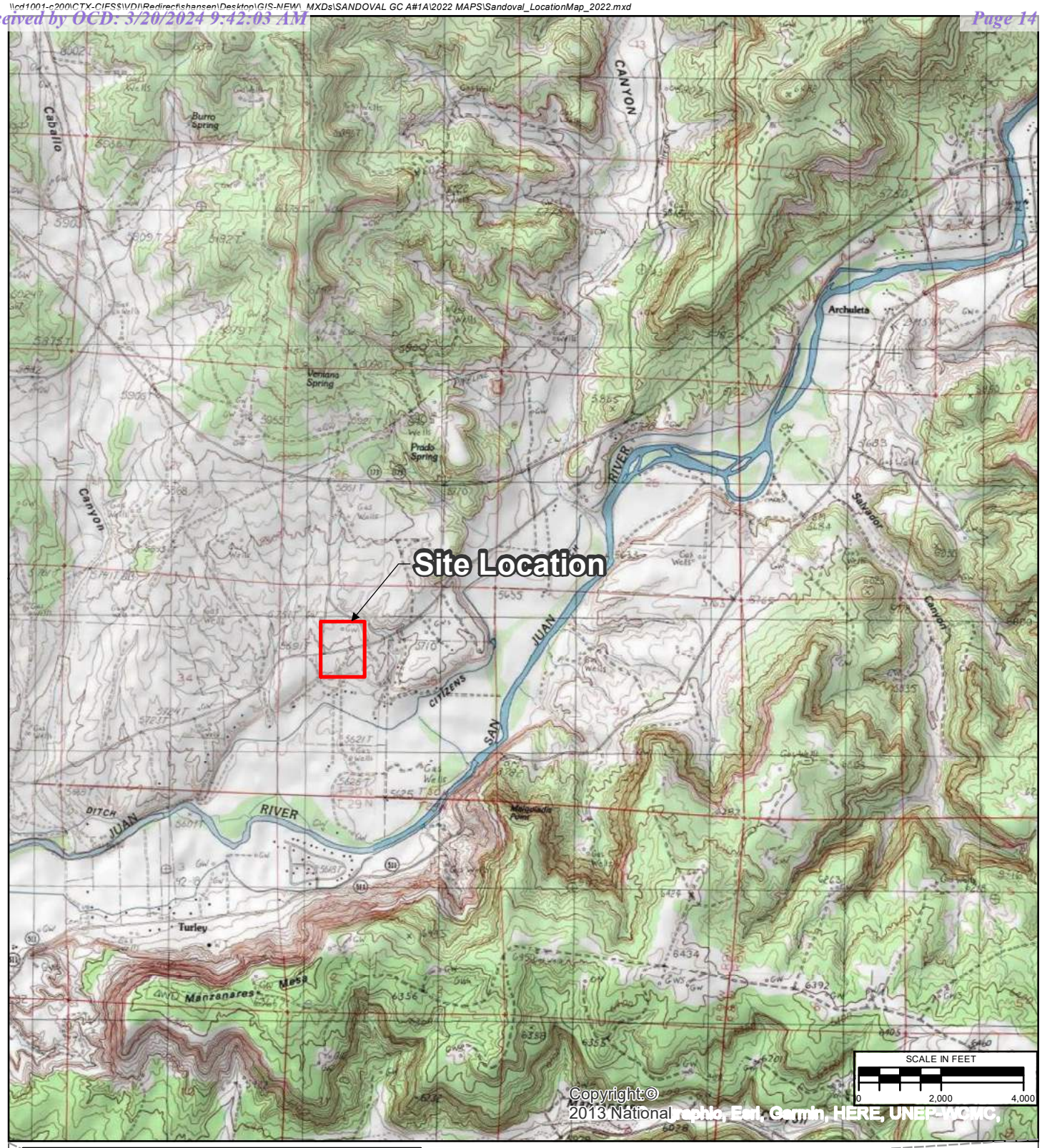
Sandoval GC A #1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	05/18/21	5718.73	ND	46.12		5672.61
MW-3	11/15/21	5718.73	ND	46.59		5672.14
MW-3	05/21/22	5718.73	ND	DRY		NA
MW-3	11/05/22	5718.73	ND	DRY		NA
MW-3	05/19/23	5718.73	ND	DRY		NA
MW-3	11/11/23	5718.73	ND	DRY		NA
MW-4	11/20/15	NR	NR	NR		NR
MW-4	11/23/15	5718.15	ND	44.93		5673.22
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-4	05/19/23	5718.15	ND	46.35		5671.80
MW-4	11/11/23	5718.15	ND	46.57		5671.58
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

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Sandoval GC A #1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	05/21/22	5714.35	ND	42.11		5672.24
MW-5	11/05/22	5714.35	ND	42.16		5672.19
MW-5	05/19/23	5714.35	ND	42.49		5671.86
MW-5	11/11/23	5714.35	ND	42.69		5671.66

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



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-02-14	SAH	SAH	SRV

TITLE: **SITE LOCATION**

Stantec

PROJECT: **SANDOVAL GC A#1A**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

FIGURE: **1**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\SANDOVAL GC A#1A\2023 MAPS\Sandoval_SITEMAP_2023.mxd

LEGEND:

- 6508 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT
- GAS — NATURAL GAS LINE
- OVHD — OVERHEAD ELECTRIC LINE
- MONITORING WELL
- SOIL BORING
- BP/SIMCOE MONITORING WELL
- OTHER SOIL BORING
- SMA BENCHMARK
- RIG ANCHOR

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-08	SLG	SLG	SRV

TITLE:

SITE PLAN

PROJECT:

SANDOVAL GC A#1A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\SANDOVAL GC A#1A\2023 MAPS\Sandoval_GARM_1SA_2023.mxd

LEGEND:

- 6508 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT
- GAS — NATURAL GAS LINE
- OVHD — OVERHEAD ELECTRIC LINE
- MONITORING WELL
- BP/SIMCOE MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- NS — NOT SAMPLED (INSUFFICIENT AMOUNT OF WATER)

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
µg/L = MICROGRAMS PER LITER
<10 = 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 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-08	SAH	SAH	SRV

TITLE:

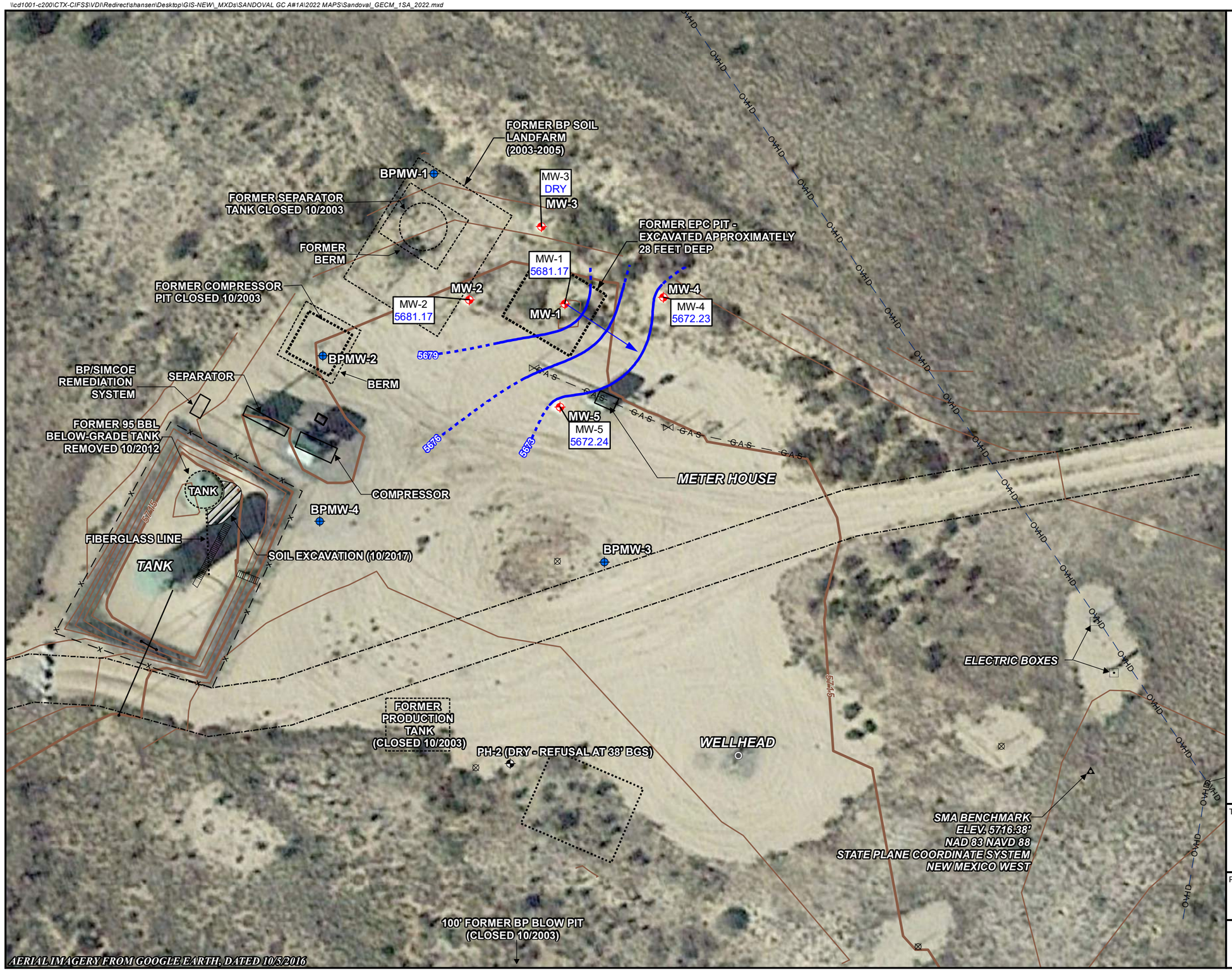
GROUNDWATER ANALYTICAL RESULTS MAY 19, 2023

PROJECT: **SANDOVAL GC A#1A**
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **3**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\SANDOVAL GC A#1A\2022 MAPS\Sandoval_GECM_1SA_2022.mxd



LEGEND:

- 6508 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT
- GAS — NATURAL GAS LINE
- OVHD — OVERHEAD ELECTRIC LINE
- MONITORING WELL
- BP/SIMCOE MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR

NOTES:

5672.23 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

5675 WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-08	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 21, 2022

PROJECT:

SANDOVAL GC A#1A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **4**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\SANDOVAL GC A#1A\2023 MAPS\Sandoval_GARM_2SA_2023.mxd

LEGEND:

- 6508 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT
- GAS — NATURAL GAS LINE
- OVHD — OVERHEAD ELECTRIC LINE
- MONITORING WELL
- BP/SIMCOE MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR
- NS — NOT SAMPLED (INSUFFICIENT AMOUNT OF WATER)

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
µg/L = MICROGRAMS PER LITER
<10 = 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 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-06	SAH	SAH	SRV

TITLE:

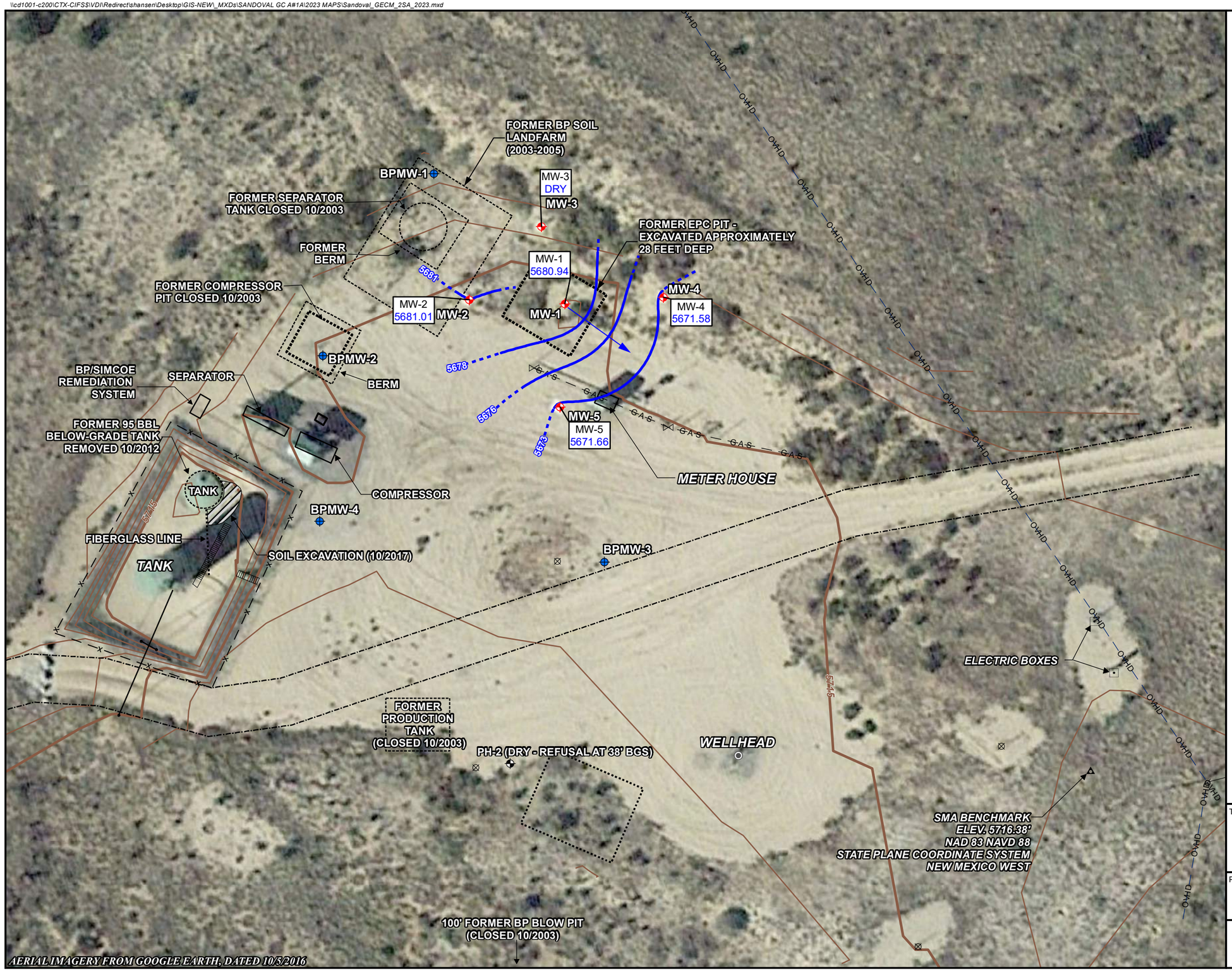
GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 11, 2023

PROJECT:
SANDOVAL GC A#1A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: **5**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\SANDOVAL GC A#1A\2023 MAPS\Sandoval_GECM_2SA_2023.mxd



LEGEND:

- 6508 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER PIT
- GAS — NATURAL GAS LINE
- OVHD — OVERHEAD ELECTRIC LINE
- MONITORING WELL
- BP/SIMCOE MONITORING WELL
- SMA BENCHMARK
- RIG ANCHOR

NOTES:

5671.58 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

5678 WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

N

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-08	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 11, 2023

PROJECT:

SANDOVAL GC A#1A
SAN JUAN RIVER BASIN
SAN JUAN COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A

Site History

Sandoval GC A #1A
Site History
San Juan River Basin, New Mexico

Date	*Source (Regulatory File #)*	*Event/Action*	*Description/Comments*
12/9/1976	API # 30-045-22294	Application for Permit to Drill	Operator is Amoco Production Company
3/8/1977	API # 30-045-22294	Sundry Notice	Well spudded 2/22/1977.
9/16/1995	Unknown	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	Unknown	EPFS Addendum to 9/16/1995 Remediation Plan to NMOCD	Amends work plan for include installation of additional wells for delienation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	Unknown	NMOCD approves Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
6/2/1997	nAUTOfAB000635 (Case # 3RP-235)	Semi-annual EPFS Pit Projects Groundwater Report	Lists pits where groundwater was encountered.
8/6/1997	nAUTOfAB000635 (Case # 3RP-235)	NMOCD review letter	Approves modifying reporting schedule from semi-annual to annual basis
2/27/1998	nAUTOfAB000635 (Case # 3RP-235)	Phillip Services' 1997 Annual Report (for EPFS)	Documents Site Assessment and excavation 5/94, MW/Soil Boring drilled 5/95, pit excavated to approximately 28 feet, quarterly groudnwater monitoring through 1997.
7/8/1998	nAUTOfAB000635 (Case # 3RP-235)	NMOCD letter to EPFS	NMOCD requests additional monitoring wells and sends notification letters to Amoco requiring to investigate and remediate soil and groundwater.
7/9/1998	API # 30-045-22294	Letter from NMOCD to Amoco	requests Amoco cooperate with EPFS to investigate and remediate contaminated groundwater at these sites.
3/31/1999	nAUTOfAB000635 (Case # 3RP-235)	Phillip Services' 1998 Annual Report (for EPFS)	Quarterly groundwater sampling.
3/24/2000	nAUTOfAB000635 (Case # 3RP-235)	Phillip Services' 1999 Annual Report (for EPFS)	Annual groundwater sampling.

Sandoval GC A #1A
Site History
San Juan River Basin, New Mexico

2/26/2001	nAUTOfAB000635 (Case # 3RP-235)	Phillip Services' 2000 Annual Report (for EPFS)	Annual groundwater sampling.
7/18/2001	nAUTOfAB000635 (Case # 3RP-235)	NMOCD review letter for EPFS 2000 Annual Report	Requests EPFS work with the operator to investigate and remediate contaminated ground water.
12/10/2001	API # 30-045-22294	Change of Operator Name	Changed to BP America Production Company.
2/28/2002	nAUTOfAB000635 (Case # 3RP-235)	MWH 2001 Annual Report (for EPFS)	Annual groundwater sampling. ORC sock installed at MW-1. Due to prior drilling refusals, installation of additional wells is considered infeasible.
2/28/2003	nAUTOfAB000635 (Case # 3RP-235)	MWH 2002 Annual Report (for EPFS)	Annual groundwater sampling.
2/26/2004	nAUTOfAB000635 (Case # 3RP-235)	MWH 2003 Annual Report (for EPFS)	Annual groundwater sampling.
2/1/2005	nAUTOfAB000635 (Case # 3RP-235)	MWH 2004 Annual Report (for EPFS)	Annual groundwater sampling.
7/22/2005	API # 30-045-22294	Landfarm Closure Verification	BP soil landfarm sampling results.
11/1/2005	API # 30-045-22294	C-141 Pit Closure Activities	Closure and excavation of BP production/blow pit with on-site disposal.
11/1/2005	API # 30-045-22294	C-141 Pit Closure Activities	Closure and excavation of BP production tank pit.
11/1/2005	API # 30-045-22294	C-141 Pit Closure Activities	Closure and excavation of BP production/separator or former steel tank pit.
3/1/2006	nAUTOfAB000635 (Case # 3RP-235)	MWH 2005 Annual Report (for EPTPC)	Annual groundwater sampling.
2/12/2007	nAUTOfAB000635 (Case # 3RP-235)	MWH 2006 Annual Report (for EPTPC)	Annual groundwater sampling.
12/6/2007	API # 30-045-22294	C-141 BP Pit Closure Document	BP closure and excavation of production/compressor pit and advancement of boring BH-1 and soil sampling.
4/2/2008	nAUTOfAB000635 (Case # 3RP-235)	MWH 2007 Annual Report (for EPTPC)	Annual groundwater sampling.
2/28/2009	nAUTOfAB000635 (Case # 3RP-235)	MWH 2008 Annual Report (for EPTPC)	Semi-annual groundwater sampling.
4/16/2010	nAUTOfAB000635 (Case # 3RP-235)	MWH 2009 Annual Report (for EPTPC)	Annual groundwater sampling.
3/2/2011	nAUTOfAB000635 (Case # 3RP-235)	MWH 2010 Annual Report (for EPTPC)	Annual groundwater sampling.

Sandoval GC A #1A
Site History
San Juan River Basin, New Mexico

8/16/2012	nAUTOfAB000635 (Case # 3RP-235)	MWH 2011 Annual Report (for EPCGP)	Annual groundwater sampling.
3/4/2014	nAUTOfAB000635 (Case # 3RP-235)	MWH 2013 Annual Report (for EPCGP)	three quarterly groundwater sampling events.
2/3/2015	nAUTOfAB000635 (Case # 3RP-235)	MWH 2014 Annual Report (for EPCGP)	Semi-annual groundwater sampling.
10/5/2015	nAUTOfAB000635 (Case # 3RP-235)	MWH 2015 Monitoring Well Installation Work Plan (for EPCGP)	Installation of MW-2 through MW-5 proposed.
2/11/2016	nAUTOfAB000635 (Case # 3RP-235)	MWH 2015 Annual Report (for EPCGP)	MW-2 through MW-5 installed, SB-1 advanced, and semi-annual groundwater sampling.
3/22/2017	nAUTOfAB000635 (Case # 3RP-235)	MWH 2016 Annual Report (for EPCGP)	Semi-annual sampling and LNAPL monitoring (MW-2).
6/2/2017	nAUTOfAB000635 (Case # 3RP-235)	NMOCD review letter for 2016 Annual Report	Letter requires additional delineation of groundwater contamination.
7/19/2017	nAUTOfAB000635 (Case # 3RP-235)	Response letter from EPCGP to NMOCD	Letter reitterates awareness of BP release and impact to Site.
9/15/2017	nAUTOfAB000635 (Case # 3RP-235)	MWH Groundwater Monitoring Plan (for EPCGP)	Continued semi-annual groundwater sampling proposed.
10/5/2017	API # 30-045-22294	Blagg Engineering Field Report	Excavation of soil during closure of BGT, apparent evidence of a release.
11/14/2017	nAUTOfAB000635 (Case # 3RP-235)	NMOCD letter to EPCGP	Approved 9/15/2017 Groundwater Monitoring Work Plan. 3RP-1057 opened for BP release files.
12/6/2017	API # 30-045-22294	Release Notification and Corrective Action	BP tank closure and excavation report for previous below ground tank location.
3/29/2018	nAUTOfAB000635 (Case # 3RP-235)	MWH 2017 Annual Report (for EPCGP)	Semi-annual groundwater sampling and LNAPL monitoring.
3/5/2018	API # 30-045-22294	Release Notification and Corrective Action	2023 closure of historical compressor discharge pit with soil and groundwatre sampling results. SVE plan was proposed.

Sandoval GC A #1A
Site History
San Juan River Basin, New Mexico

4/4/2018	API # 30-045-22294	Email from BP to NMOCD	SVE work plan.
4/13/2018	nAUTOfAB000635 (API # 30-045-22294)	Letter from NMOCD to BP	OCD approves 4/4/2018 SVE work plan.
4/12/2019	Not in NMOCD files	Stantec 2018 Annual Report, Site Conceptual Model, and Request for Site Closure (for EPCGP)	Semi-annual sampling, conceptual site model, and closure request.
3/23/2020	Not in NMOCD files	Stantec 2019 Annual Report (for EPCGP)	Semi-annual groundwater sampling.
2/28/2020	API # 30-045-22294	Change of Operator	Changed to SIMCOE LLC.
1/1/2021	ncs1803742861	Simcoe Remediation Report	historical SVE system data
4/8/2021	Not in NMOCD files	Stantec 2020 Annual Report (for EPCGP)	Semi-annual groundwater sampling.
1/1/2022	ncs1803742861	Simcoe Remediation Report	SVE system and historical groundwater sampling data
3/31/2022	Not in NMOCD files	Stantec 2021 Annual Report (for EPCGP)	Semi-annual groundwater sampling.
2/1/2023	ncs1803742861	Simcoe Annual Report	Annual SVE and groundwater sampling results
3/29/2023	Not in NMOCD files	Stantec 2022 Annual Report (for EPCGP)	Semi-annual groundwater sampling.

APPENDIX B

NMOCD Notification of Site Activities

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Friday, May 12, 2023 9:54:16 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	5/20/2023
Fields A#7A	nAUTOfAB000176	5/21/2023
Fogelson 4-1	nAUTOfAB000192	5/18/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	5/17/2023
GCU Com A #142E	nAUTOfAB000219	5/21/2023
James F. Bell #1E	nAUTOfAB000291	5/18/2023
Johnston Fed #4	nAUTOfAB000305	5/19/2023
Johnston Fed #6A	nAUTOfAB000309	5/19/2023
K27 LDO72	nAUTOfAB000316	5/20/2023
Knight #1	nAUTOfAB000324	5/17/2023
Lateral L 40 Line Drip	nAUTOfAB000335	5/21/2023
Sandoval GC A #1A	nAUTOfAB000635	5/19/2023
Standard Oil Com #1	nAUTOfAB000666	5/20/2023
State Gas Com N #1	nAUTOfAB000668	5/22/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Wednesday, May 17, 2023.

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

Thank you,
Steve

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

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 2, 2023 6:17:33 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	11/12/2023
Fields A#7A	nAUTOfAB000176	11/15/2023
Fogelson 4-1	nAUTOfAB000192	11/8/2023
Gallegos Canyon Unit #124E	nAUTOfAB000205	11/9/2023
GCU Com A #142E	nAUTOfAB000219	11/9/2023
James F. Bell #1E	nAUTOfAB000291	11/15/2023
Johnston Fed #4	nAUTOfAB000305	11/11/2023
Johnston Fed #6A	nAUTOfAB000309	11/11/2023
K27 LDO72	nAUTOfAB000316	11/12/2023
Knight #1	nAUTOfAB000324	11/7/2023
Lateral L 40 Line Drip	nAUTOfAB000335	11/16/2023
Sandoval GC A #1A	nAUTOfAB000635	11/11/2023
Standard Oil Com #1	nAUTOfAB000666	11/12/2023
State Gas Com N #1	nAUTOfAB000668	11/10/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Tuesday, November 7, 2023.

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

Thank you,
Steve

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

APPENDIX C

Waste Disposal Documentation

envirotech

Bill of Lading

MANIFEST # 79427
GENERATOR Kinder Morgan (Agent for)
POINT OF ORIGIN BioVista Comp Station *
TRANSPORTER Envirotech
DATE 5/22/2023 JOB # 14073-0073

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Contaminated Water				1		992/705	1550	Austin Taylor
						1				
									SCANNED	

RESULTS		
-251	CHLORIDE TEST	1
	CHLORIDE TEST	
	CHLORIDE TEST	
Pass	PAINT FILTER TEST	1

LANDFARM EMPLOYEE

☐ Soil w/ Debris ☑ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out

NOTES
* From San Juan River Plant, Blanco N. Flare and numerous pit sites.

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

Generator Onsite Contact Sean Cleary Phone (515) 557-0109

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

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023 TIME 1550

Attach test strip here

CUSTOMER Kinder Morgan

SITE Rio Vista Comp Station SJ River Plant Blanco N Plant Aluminous Pits Sites

DRIVER [redacted]

SAMPLE Soil Straight _____ With Dirt ✓

CHLORIDE TEST -281 mg/Kg

ACCEPTED YES ✓ NO _____

PAINT FILTER TEST Time started 1550 Time completed 1600

PASS YES ✓ NO _____

SAMPLER/ANALYST [redacted]

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

envirotech

Bill of Lading

MANIFEST # 82577
GENERATOR El Paso
POINT OF ORIGIN See the C-138 for list of sites
TRANSPORTER Envirotech
DATE 11/16/23 JOB # 14073-0081

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	B'F	Tank bottoms			1	—	—	725	1430	
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-272	CHLORIDE TEST	1		
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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

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envirotech

BOL# 82577

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

Attach test strip here

CUSTOMER El Paso

SITE See Bol 82577

DRIVER Stoven by Gomez

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1430 Time completed 1441

PASS YES X NO _____

SAMPLER/ANALYST _____

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

APPENDIX D

Groundwater Analytical Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/13/2023 5:56:00 PM

JOB DESCRIPTION

Sandoval GCA #1.00
SDG NUMBER Sandoval

JOB NUMBER

400-238119-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

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

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

Authorization

Generated
6/13/2023 5:56:00 PM

Authorized for release by
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(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Laboratory Job ID: 400-238119-1
SDG: Sandoval

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Job ID: 400-238119-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-238119-1

Comments
No additional comments.

Receipt
The samples were received on 5/23/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8º C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2 (400-238119-4). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: TRIP BLANK — Lab Sample ID: 400-238119-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-238119-2

No Detections.

Client Sample ID: MW-1 — Lab Sample ID: 400-238119-3

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 400-238119-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5300		50		ug/L	50		8260D	Total/NA
Toluene	610		50		ug/L	50		8260D	Total/NA
Ethylbenzene	670		50		ug/L	50		8260D	Total/NA
Xylenes, Total	7600		500		ug/L	50		8260D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 400-238119-5

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 400-238119-6

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

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-238119-1	TRIP BLANK	Water	05/19/23 14:10	05/23/23 09:10
400-238119-2	DUP-01	Water	05/19/23 14:15	05/23/23 09:10
400-238119-3	MW-1	Water	05/19/23 15:00	05/23/23 09:10
400-238119-4	MW-2	Water	05/19/23 14:50	05/23/23 09:10
400-238119-5	MW-4	Water	05/19/23 14:45	05/23/23 09:10
400-238119-6	MW-5	Water	05/19/23 14:40	05/23/23 09:10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: TRIP BLANK

Date Collected: 05/19/23 14:10
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 15:47	1
Toluene	<1.0		1.0		ug/L			06/02/23 15:47	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 15:47	1
Xylenes, Total	<10		10		ug/L			06/02/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/02/23 15:47*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*06/02/23 15:47*	*1*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/02/23 15:47*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: DUP-01
Date Collected: 05/19/23 14:15
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 16:09	1
Toluene	<1.0		1.0		ug/L			06/02/23 16:09	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 16:09	1
Xylenes, Total	<10		10		ug/L			06/02/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*64 - 132*		*06/02/23 16:09*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/02/23 16:09*	*1*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/02/23 16:09*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: MW-1

Date Collected: 05/19/23 15:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 16:32	1
Toluene	<1.0		1.0		ug/L			06/02/23 16:32	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 16:32	1
Xylenes, Total	<10		10		ug/L			06/02/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*64 - 132*		*06/02/23 16:32*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/02/23 16:32*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 16:32*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: MW-2

Date Collected: 05/19/23 14:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5300		50		ug/L			06/02/23 17:40	50
Toluene	610		50		ug/L			06/02/23 17:40	50
Ethylbenzene	670		50		ug/L			06/02/23 17:40	50
Xylenes, Total	7600		500		ug/L			06/02/23 17:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*06/02/23 17:40*	*50*
Dibromofluoromethane	*109*		*75 - 126*		*06/02/23 17:40*	*50*
4-Bromofluorobenzene	*94*		*72 - 130*		*06/02/23 17:40*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: MW-4

Date Collected: 05/19/23 14:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 16:55	1
Toluene	<1.0		1.0		ug/L			06/02/23 16:55	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 16:55	1
Xylenes, Total	<10		10		ug/L			06/02/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*06/02/23 16:55*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/02/23 16:55*	*1*
4-Bromofluorobenzene	*92*		*72 - 130*		*06/02/23 16:55*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: MW-5
Date Collected: 05/19/23 14:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.0**		1.0		ug/L			06/02/23 17:18	1
Toluene	<1.0		1.0		ug/L			06/02/23 17:18	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 17:18	1
Xylenes, Total	<10		10		ug/L			06/02/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*64 - 132*		*06/02/23 17:18*	*1*
Dibromofluoromethane	*112*		*75 - 126*		*06/02/23 17:18*	*1*
4-Bromofluorobenzene	*94*		*72 - 130*		*06/02/23 17:18*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

Client Sample ID: TRIP BLANK
Date Collected: 05/19/23 14:10
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 15:47	WPD	EET PEN

Client Sample ID: DUP-01
Date Collected: 05/19/23 14:15
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 16:09	WPD	EET PEN

Client Sample ID: MW-1
Date Collected: 05/19/23 15:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 16:32	WPD	EET PEN

Client Sample ID: MW-2
Date Collected: 05/19/23 14:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	5 mL	5 mL	627521	06/02/23 17:40	WPD	EET PEN

Client Sample ID: MW-4
Date Collected: 05/19/23 14:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 16:55	WPD	EET PEN

Client Sample ID: MW-5
Date Collected: 05/19/23 14:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 17:18	WPD	EET PEN

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

Lab Sample ID: MB 400-627521/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 15:01	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

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

Lab Sample ID: LCS 400-627521/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 13:57	WPD	EET PEN

Client Sample ID: MW-1
Date Collected: 05/19/23 15:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-3 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 18:03	WPD	EET PEN

Client Sample ID: MW-1
Date Collected: 05/19/23 15:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238119-3 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 18:26	WPD	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

GC/MS VOA

Analysis Batch: 627521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238119-1	TRIP BLANK	Total/NA	Water	8260D	
400-238119-2	DUP-01	Total/NA	Water	8260D	
400-238119-3	MW-1	Total/NA	Water	8260D	
400-238119-4	MW-2	Total/NA	Water	8260D	
400-238119-5	MW-4	Total/NA	Water	8260D	
400-238119-6	MW-5	Total/NA	Water	8260D	
MB 400-627521/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627521/1002	Lab Control Sample	Total/NA	Water	8260D	
400-238119-3 MS	MW-1	Total/NA	Water	8260D	
400-238119-3 MSD	MW-1	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

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

Lab Sample ID: MB 400-627521/4
Matrix: Water
Analysis Batch: 627521

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 15:01	1
Toluene	<1.0		1.0		ug/L			06/02/23 15:01	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 15:01	1
Xylenes, Total	<10		10		ug/L			06/02/23 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*64 - 132*		*06/02/23 15:01*	*1*
Dibromofluoromethane	*111*		*75 - 126*		*06/02/23 15:01*	*1*
4-Bromofluorobenzene	*91*		*72 - 130*		*06/02/23 15:01*	*1*

Lab Sample ID: LCS 400-627521/1002
Matrix: Water
Analysis Batch: 627521

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	51.2		ug/L		102	70 - 130		
Toluene			50.0	49.1		ug/L		98	70 - 130		
Ethylbenzene			50.0	51.7		ug/L		103	70 - 130		
Xylenes, Total			100	103		ug/L		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*67 - 134*
Toluene-d8 (Surr)	*94*		*64 - 132*
Dibromofluoromethane	*106*		*75 - 126*
4-Bromofluorobenzene	*95*		*72 - 130*

Lab Sample ID: 400-238119-3 MS
Matrix: Water
Analysis Batch: 627521

Client Sample ID: MW-1
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	47.7		ug/L		95	56 - 142		
Toluene	<1.0		50.0	39.3		ug/L		79	65 - 130		
Ethylbenzene	<1.0		50.0	35.7		ug/L		71	58 - 131		
Xylenes, Total	<10		100	73.0		ug/L		73	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*67 - 134*
Toluene-d8 (Surr)	*92*		*64 - 132*
Dibromofluoromethane	*107*		*75 - 126*
4-Bromofluorobenzene	*96*		*72 - 130*

Lab Sample ID: 400-238119-3 MSD
Matrix: Water
Analysis Batch: 627521

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<1.0		50.0	47.3		ug/L		95	56 - 142	1	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-238119-1
SDG: Sandoval

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

Lab Sample ID: 400-238119-3 MSD
Matrix: Water
Analysis Batch: 627521

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	<1.0		50.0	40.2		ug/L		80	65 - 130	2	30
Ethylbenzene	<1.0		50.0	37.6		ug/L		75	58 - 131	5	30
Xylenes, Total	<10		100	76.6		ug/L		77	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*67 - 134*
Toluene-d8 (Surr)	*92*		*64 - 132*
Dibromofluoromethane	*108*		*75 - 126*
4-Bromofluorobenzene	*97*		*72 - 130*

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

Chain of Custody Record

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Client Information	Sampler: Sarah Gardner / Sean Clary	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-120300-41360.1
Client Contact: Joe Wiley	Phone: 303 (S6) 291-2239	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: Standard			
City: Houston	TAT Requested (days): Standard			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040024			
Email: joe.wiley@kindermorgan.com	WO #: Sandoval_ERG_ARF_04-26-2023			
Project Name: Sandoval GCA #1.00	Project #: 40015823			
Site: Sandoval	SSOW#:			

Analysis Requested

400-238119 COC

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, Y - Trizma, 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)	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
Trip Blank	5/19/23	1410	—	Water	—	2	2	Trip Blank
DUP-01	5/19/23	1415	G	Water	—	2	2	
MW-1	5/19/23	1500	G	Water	—	2	2	
MW-2	5/19/23	1450	G	Water	—	2	2	
MW-4	5/19/23	1445	G	Water	—	2	2	
MW-5	5/19/23	1440	G	Water	—	1	1	
				~~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
[signature]	5/22/23 1200	Stantec	[signature]	5/23/23 910	EETS
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: 1.8 °C IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-238119-1
SDG Number: Sandoval

Login Number: 238119
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins 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	1.8°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.	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 GCA #1.00

Job ID: 400-238119-1
SDG: 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	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Sandoval GCA #1.00

JOB NUMBER

400-246692-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

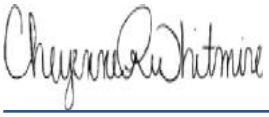
Eurofins Pensacola

Job Notes

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

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

Authorization



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

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Laboratory Job ID: 400-246692-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Job ID: 400-246692-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-246692-1

Receipt
The samples were received on 11/14/2023 8:56 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 0.5º C.

GC/MS VOA
Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2 (400-246692-2). 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.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: MW-1 Lab Sample ID: 400-246692-1

No Detections.

Client Sample ID: MW-2 Lab Sample ID: 400-246692-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6000		50		ug/L	50		8260D	Total/NA
Ethylbenzene	760		50		ug/L	50		8260D	Total/NA
Toluene	240		50		ug/L	50		8260D	Total/NA
Xylenes, Total	8100		500		ug/L	50		8260D	Total/NA

Client Sample ID: MW-4 Lab Sample ID: 400-246692-3

No Detections.

Client Sample ID: MW-5 Lab Sample ID: 400-246692-4

No Detections.

Client Sample ID: DUP-01 Lab Sample ID: 400-246692-5

No Detections.

Client Sample ID: TB-01 Lab Sample ID: 400-246692-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246692-1	MW-1	Water	11/11/23 16:10	11/14/23 08:56
400-246692-2	MW-2	Water	11/11/23 16:15	11/14/23 08:56
400-246692-3	MW-4	Water	11/11/23 16:20	11/14/23 08:56
400-246692-4	MW-5	Water	11/11/23 16:25	11/14/23 08:56
400-246692-5	DUP-01	Water	11/11/23 12:00	11/14/23 08:56
400-246692-6	TB-01	Water	11/11/23 15:30	11/14/23 08:56

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: MW-1

Date Collected: 11/11/23 16:10
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 09:09	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 09:09	1
Toluene	<1.0		1.0		ug/L			11/17/23 09:09	1
Xylenes, Total	<10		10		ug/L			11/17/23 09:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*72 - 130*		*11/17/23 09:09*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*11/17/23 09:09*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*11/17/23 09:09*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: MW-2

Date Collected: 11/11/23 16:15
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6000**		50		ug/L			11/17/23 11:44	50
Ethylbenzene	**760**		50		ug/L			11/17/23 11:44	50
Toluene	**240**		50		ug/L			11/17/23 11:44	50
Xylenes, Total	**8100**		500		ug/L			11/17/23 11:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*11/17/23 11:44*	*50*
Dibromofluoromethane	*114*		*75 - 126*		*11/17/23 11:44*	*50*
Toluene-d8 (Surr)	*93*		*64 - 132*		*11/17/23 11:44*	*50*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: MW-4

Date Collected: 11/11/23 16:20
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 09:28	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 09:28	1
Toluene	<1.0		1.0		ug/L			11/17/23 09:28	1
Xylenes, Total	<10		10		ug/L			11/17/23 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 130*		*11/17/23 09:28*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*11/17/23 09:28*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/17/23 09:28*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: MW-5

Date Collected: 11/11/23 16:25
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 09:48	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 09:48	1
Toluene	<1.0		1.0		ug/L			11/17/23 09:48	1
Xylenes, Total	<10		10		ug/L			11/17/23 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*72 - 130*		*11/17/23 09:48*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*11/17/23 09:48*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/17/23 09:48*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: DUP-01
Date Collected: 11/11/23 12:00
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 10:07	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 10:07	1
Toluene	<1.0		1.0		ug/L			11/17/23 10:07	1
Xylenes, Total	<10		10		ug/L			11/17/23 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*11/17/23 10:07*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*11/17/23 10:07*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/17/23 10:07*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: TB-01

Date Collected: 11/11/23 15:30
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 14:16	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 14:16	1
Toluene	<1.0		1.0		ug/L			11/21/23 14:16	1
Xylenes, Total	<10		10		ug/L			11/21/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*72 - 130*		*11/21/23 14:16*	*1*
Dibromofluoromethane	*86*		*75 - 126*		*11/21/23 14:16*	*1*
Toluene-d8 (Surr)	*106*		*64 - 132*		*11/21/23 14:16*	*1*

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Glossary

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: MW-1
Date Collected: 11/11/23 16:10
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 09:09	WPD	EET PEN

Client Sample ID: MW-2
Date Collected: 11/11/23 16:15
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		50	5 mL	5 mL	650747	11/17/23 11:44	WPD	EET PEN

Client Sample ID: MW-4
Date Collected: 11/11/23 16:20
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 09:28	WPD	EET PEN

Client Sample ID: MW-5
Date Collected: 11/11/23 16:25
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 09:48	WPD	EET PEN

Client Sample ID: DUP-01
Date Collected: 11/11/23 12:00
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 10:07	WPD	EET PEN

Client Sample ID: TB-01
Date Collected: 11/11/23 15:30
Date Received: 11/14/23 08:56

Lab Sample ID: 400-246692-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651213	11/21/23 14:16	BPO	EET PEN

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

Lab Sample ID: MB 400-650747/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 08:11	WPD	EET PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-651213/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651213	11/21/23 10:28	BPO	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-650747/1002
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 07:13	WPD	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-651213/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651213	11/21/23 09:24	BPO	EET PEN

Client Sample ID: MW-1
Lab Sample ID: 400-246692-1 MS
Date Collected: 11/11/23 16:10
Matrix: Water
Date Received: 11/14/23 08:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 12:03	WPD	EET PEN

Client Sample ID: MW-1
Lab Sample ID: 400-246692-1 MSD
Date Collected: 11/11/23 16:10
Matrix: Water
Date Received: 11/14/23 08:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650747	11/17/23 12:22	WPD	EET PEN

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

GC/MS VOA

Analysis Batch: 650747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246692-1	MW-1	Total/NA	Water	8260D	
400-246692-2	MW-2	Total/NA	Water	8260D	
400-246692-3	MW-4	Total/NA	Water	8260D	
400-246692-4	MW-5	Total/NA	Water	8260D	
400-246692-5	DUP-01	Total/NA	Water	8260D	
MB 400-650747/5	Method Blank	Total/NA	Water	8260D	
LCS 400-650747/1002	Lab Control Sample	Total/NA	Water	8260D	
400-246692-1 MS	MW-1	Total/NA	Water	8260D	
400-246692-1 MSD	MW-1	Total/NA	Water	8260D	

Analysis Batch: 651213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246692-6	TB-01	Total/NA	Water	8260D	
MB 400-651213/3	Method Blank	Total/NA	Water	8260D	
LCS 400-651213/1001	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

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

Lab Sample ID: MB 400-650747/5
Matrix: Water
Analysis Batch: 650747

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/17/23 08:11	1
Ethylbenzene	<1.0		1.0		ug/L			11/17/23 08:11	1
Toluene	<1.0		1.0		ug/L			11/17/23 08:11	1
Xylenes, Total	<10		10		ug/L			11/17/23 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*11/17/23 08:11*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*11/17/23 08:11*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*11/17/23 08:11*	*1*

Lab Sample ID: LCS 400-650747/1002
Matrix: Water
Analysis Batch: 650747

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	51.0		ug/L		102	70 - 130
m-Xylene & p-Xylene	50.0	45.9		ug/L		92	70 - 130
o-Xylene	50.0	46.7		ug/L		93	70 - 130
Ethylbenzene	50.0	45.3		ug/L		91	70 - 130
Toluene	50.0	43.9		ug/L		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 130*
Dibromofluoromethane	*102*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*117*		*67 - 134*

Lab Sample ID: 400-246692-1 MS
Matrix: Water
Analysis Batch: 650747

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<1.0		50.0	55.2		ug/L		110	56 - 142
m-Xylene & p-Xylene	<5.0		50.0	47.7		ug/L		95	57 - 130
o-Xylene	<5.0		50.0	49.3		ug/L		99	61 - 130
Ethylbenzene	<1.0		50.0	46.8		ug/L		94	58 - 131
Toluene	<1.0		50.0	47.7		ug/L		95	65 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*72 - 130*
Dibromofluoromethane	*101*		*75 - 126*
Toluene-d8 (Surr)	*91*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*126*		*67 - 134*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Sandoval GCA #1.00

Job ID: 400-246692-1

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

Lab Sample ID: 400-246692-1 MSD
Matrix: Water
Analysis Batch: 650747

Client Sample ID: MW-1
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	54.1		ug/L		108	56 - 142	2	30
m-Xylene & p-Xylene	<5.0		50.0	47.8		ug/L		96	57 - 130	0	30
o-Xylene	<5.0		50.0	49.5		ug/L		99	61 - 130	0	30
Ethylbenzene	<1.0		50.0	47.9		ug/L		96	58 - 131	2	30
Toluene	<1.0		50.0	49.1		ug/L		98	65 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*72 - 130*
Dibromofluoromethane	*104*		*75 - 126*
Toluene-d8 (Surr)	*95*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*121*		*67 - 134*

Lab Sample ID: MB 400-651213/3
Matrix: Water
Analysis Batch: 651213

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/21/23 10:28	1
Ethylbenzene	<1.0		1.0		ug/L			11/21/23 10:28	1
Toluene	<1.0		1.0		ug/L			11/21/23 10:28	1
Xylenes, Total	<10		10		ug/L			11/21/23 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*72 - 130*		*11/21/23 10:28*	*1*
Dibromofluoromethane	*87*		*75 - 126*		*11/21/23 10:28*	*1*
Toluene-d8 (Surr)	*109*		*64 - 132*		*11/21/23 10:28*	*1*

Lab Sample ID: LCS 400-651213/1001
Matrix: Water
Analysis Batch: 651213

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	52.8		ug/L		106	70 - 130
m-Xylene & p-Xylene	50.0	59.0		ug/L		118	70 - 130
o-Xylene	50.0	55.2		ug/L		110	70 - 130
Ethylbenzene	50.0	56.9		ug/L		114	70 - 130
Toluene	50.0	56.5		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*72 - 130*
Dibromofluoromethane	*94*		*75 - 126*
Toluene-d8 (Surr)	*105*		*64 - 132*
1,2-Dichloroethane-d4 (Surr)	*121*		*67 - 134*

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: SRC/ERB	Lab PM: Whitmire, Cheyenne R	Carrier: 400-246692 COC	COC No: 400-124041-41360.1
Client Contact: Joe Wiley	Phone: 575-253-0830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State:	Page: Page 1 of 2 ERB
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested: STD			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040024			
Email: joe.wiley@kindermorgan.com	WO #: Sandoval_ERG_ARF_10_24_2023			
Project Name: Sandoval GCA #1.00	Project #: 40015823			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	8260D - BTEX - 8260	8260D - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-1	11/11/2023	1610	G	Water	N	N	-	X		
MW-2	11/11/2023	1615	G	Water	N	N	-	X		
MW-4	11/11/2023	1620	G	Water	N	N	X			
MW-5	11/11/2023	1625	G	Water	N	N	-	X		
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

ERB

ERB

ERB

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

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

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

Special Instructions/QC Requirements.

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Eem Reedy	11/13/2023 1250	STN	T. Ernest	11.14.23 0806	
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.
		0.5°C IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-246692-1

Login Number: 246692 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-246692-1
Project/Site: Sandoval GCA #1.00

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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

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

CONDITIONS

Action 325009

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 325009
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	2023 Annual Groundwater Report for Sandoval GC A#1A has been received as part of the incident record. NMOCD is currently waiting on additional information from another party before proceeding on a response.	5/8/2024