# SIMCOE LLC

(formerly BPX Energy Inc.)

### REVIEWED

By Mike Buchanan at 9:28 am, Jan 19, 2024

Review of the 2021 Sandoval Gas Com A 001A: **Content Satisfactory** 

Continue to conduct groundwater monitoring on a

# REMEDIAT quarterly schedule as RT

prescribed by NMOCD.
2. Consider options for further abatement and propose to OCD if necessary
3. Continue to submit reports annually by April 1, 2024.

SANDOVAL GAS COM A 001A (C) SECTION 35, T30N, R9W, NMPM SAN JUAN COUNTY, NEW MEXICO

PREPARED FOR:
NEW MEXICO OIL CONSERVATION DIVISION

**JANUARY 2022** 

PREPARED BY: SIMCOE LLC 1100 Main Ave., Suite 101 Durango, Colorado 81301

# SIMCOE LLC Sandoval GC A # 1A

# Unit Letter C, Sec. 35, T30N, R09W

Incident #: nCS1803742861 API #: 3004522294

Monitor Well Installation Dates: BH-1 (09/20/2006), MW #2 (08/22/2011), MW #1

(12/02/2011), MW #3 (12/05/2011), MW #4 (12/06/2011).

Monitor Well Sampling Dates: 08/30/11,12/09/11, 02/09/12, 06/21/12, 09/20/12,

12/20/12,03/28/19, 06/24/19, 09/19/19, 12/10/19, 03/30/20,06/01/20, 09/14/20, 12/15/20, 03/04/21,

06/09/21, 08/20/21, 12/08/21.

Soil Vapor Extraction System Installation: October 2018.

### **Impact Discovery Background:**

10/28/2003	Unlined/earthen pit closure initiated. Vertical extent not established with backhoe.
09/20/2006	Boring advanced with drill rig to determine vertical extent. Hollow stem auger refusal at 17 feet
	below grade (large cobbles encountered).
08/22/2011	Installed monitor/test well within source area (MW #2) using air powered hammer drilling method.
12/02/2011	Installed up gradient monitor/test well (MW #1) using same method noted for MW #2.
12/05/2011	Installed suspected side gradient monitor/test well (MW #3) using same method noted for MW #2.
12/05/2011	Installed suspected down gradient monitor/test well (MW #4) using same method noted for MW #2.
01/30/2018	Form C-141 initial report submitted to the New Mexico Oil Conservation Division (NMOCD).
	Included were the earthen pit closure documentation with lab analyses, bore hole logs, 1998
	NMOCD correspondence letter, and transmission operator site map.
02/06/2018	NMOCD approved Form C-141 and stated additional remediation is required. Assigned
	administrative & order # 3RP-1057 and incident # nCS1803742861 [NMOCD filename [FN]:
	pcs1731132655 1 ao.pdf].
03/05/2018	Remediation plan submitted to the NMOCD.
04/13/2018	NMOCD approves remediation plan with stated conditions [NMOCD online well file FN:
	nCS1803742861_18_wf.pdf].

# **Groundwater Monitor Well Sampling Procedures:**

Groundwater sampling was conducted on March 4, June 9, August 20, and December 8, 2021.

Prior to groundwater sample collection, depth-to-water measurements were collected from MW #1, MW #2, and MW #3. MW #1 and MW #3 were both dry during the 2021 monitoring events. MW #4, located near the load-out for the below-grade tank (BGT), has been covered with sediment and possibly damaged. Staff was unable to locate the flush-mount protector at the location of MW #4 during the 2021 monitoring events.

Prior to sample collection, approximately three wellbore volumes were purged from MW #2 with new disposable bailers. The groundwater sample was collected following US EPA SW-846 protocol. The groundwater sample was transferred into laboratory-provided containers with the appropriate preservative, stored in a cooler on ice, and submitted with a complete chain-of-custody to Hall Environmental Analysis Laboratory (HEAL) for analysis of volatile organic compounds (VOCs) by US EPA Method 8260B. Cottonwood also collected field measurements of pH, conductivity, and temperature.

Fluids generated during monitoring well purging were discarded into the BGT located on the well site. The BGT contents are disposed of through approved NMOCD operational procedures for removal of produced fluids.

### **Soil Vapor Extraction System Data:**

The soil vapor extraction system (**SVE**) was installed and commenced operation in October 2018. Weekly to monthly monitoring and/or inspections have been ongoing to the present. During the regular monitoring, observations are made about the SVE system operation and general condition, organic vapor meter (OVM) readings are collected from the exhaust of the SVE unit, vacuum pressure on the unit is noted, and the quantity of water within the drum located on the unit is noted and the drum drained, if required. Annual gas samples are also collected from the SVE unit and analyzed by HEAL for VOCs by US EPA Method 8260B.

### **Monitoring Results:**

### **Groundwater Monitoring Wells:**

Benzene, ethylbenzene, and total xylenes were above the New Mexico Water Quality Control Commission (NMWQCC) standard in MW #2 in all four groundwater monitoring events conducted in 2021. A groundwater sampling results table is included and the HEAL groundwater sampling laboratory reports from the 2021 groundwater sampling are included.

### **Soil Vapor Extraction System:**

OVM readings collected during 2021 ranged from 8.15 parts per million (ppm) to 486 ppm. A summary of the SVE System Monitoring Data is included. No BTEX or other VOCs were detected in the gas sample collected from the SVE system. The HEAL gas sample laboratory report from the 2021 gas sampling event is included.

### **Summary and/or Recommendations:**

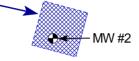
While benzene, ethylbenzene, and total xylenes remain above the NMWQCC standard in MW #2, the SVE system appears to have effectively removed the LNAPL previously observed in that monitoring well.

# FIGURE 1





COMPRESSOR PIT EXCAVATED IN OCTOBER 2003. APPROX. 19 FT. X 18 FT., 7 FT. DEPTH. PIT CENTER APPROX. 183 FT., N43.5W FROM WELL HEAD.



COMPR.

**◆** MW #4

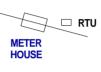
SEP

95 bbl BGT

PROD TANK

FENCE









DOWN SLOPE DIRECTION WELL



MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE & BEARING FROM THE WELL HEAD (TAPE MEASURE, LASER RANGE FINDER, & BRUNTON COMPASS). ALL OTHER STRUCTURES DISPLAYED ON THIS MAPARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE. MAGNETIC DECLINATION USED ~ 10° E.

**BP AMERICA PRODUCTION CO.** 

**SANDOVAL GC A # 1A** 

NE/4 NW/4 SEC. 35, T30N, R9W

SAN JUAN COUNTY, NEW MEXICO

B LAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87 BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 632-1199

PROJECT: MW SAMPLING

DRAWN BY: NJV

FILENAME: SANDOVAL GC A 1A-SM7.SKF

REVISED: 12-31-12



80 FT.

40

12/12

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# SOIL VAPOR

# **EXTRACTION**

**DATA** 



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### Salvador Gas Com A #001A SVE Monitoring Results Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Exhaust Vacuum (in)	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
10/22/2018	MW-2	-	-	NO	NO	-	Hose transferred from Irvin Com 1E
10/26/2018	MW-2	-	-	NO	NO	-	PVC installation completed from unit to MW #2.
10/29/2018	MW-2	2,766	32	-	NO	-	Initial start up   bailed 3 gal. of prod. from MW #2
10/30/2018	MW-2	2,720	34	YES	NO	-	Dry drum
10/31/2018	MW-2	2,525	34	YES	NO	-	Dry drum
11/1/2018	MW-2	2,355	34	YES	NO	-	Dry drum, effluent air sample collected
11/2/2018	MW-2	1,978	33	YES	YES	2.00	Drained drum, restarted
11/5/2018	MW-2	1,433	32	YES	YES	4.00	Installed 1 inch PVC drain piping to LLPT, drained drum, restarted
11/13/2018	MW-2	890	34	YES	YES	23.00	Drained drum, restarted
11/16/2018	MW-2	1,016	32	YES	YES	7.00	Drained drum, restarted
11/21/2018	MW-2	370	34	YES	YES	12.00	Drained drum, restarted
11/26/2018	MW-2	555	34	YES	YES	13.00	Drained drum, restarted
12/4/2018	MW-2	629	34	YES	YES	25.50	Drained drum, restarted
12/10/2018	MW-2	501	34	YES	YES	18.50	Drained drum, restarted
12/17/2018	MW-2	325	34	YES	YES	22.00	Drained drum, restarted
12/24/2018	MW-2	342	33	YES	YES	20.50	Drained drum, restarted
12/31/2018	MW-2	355	34	YES	YES	23.50	Drained drum, restarted
1/4/2019	MW-2	-	-	YES	YES	17.00	Drained drum only, restarted
1/9/2019	MW-2	383	34	YES	YES	18.50	Drained drum, restarted
1/15/2019	MW-2	372	34	YES	YES	19.50	
1/21/2019	MW-2	338	34	YES	YES	18.00	
1/26/2019	MW-2	350	34	YES	YES	17.00	
2/1/2019	MW-2	313	34	YES	YES	19.50	
2/7/2019	MW-2	316	33	YES	YES	15.50	
2/14/2019	MW-2	319	34	YES	YES	23.50	
2/20/2019	MW-2	260	33	YES	YES	22.00	
2/27/2019	MW-2	253	33	YES	YES	23.50	
3/5/2019	MW-2	252	32	YES	YES	12.00	
3/10/2019	MW-2	233	32	YES	YES	7.00	
3/18/2019	MW-2	254	32	YES	YES	18.00	
3/28/2019	MW-2	243	33	YES	YES	11.50	
4/16/2019	MW-2	222	32	YES	YES	20.50	
5/2/2019	MW-2	219	32	YES	YES	4.50	
5/28/2019	MW-2	207	32	YES	YES	10.50	
6/24/2019	MW-2	268	32	YES	NO	-	Water below drain plug, air sample collected
7/26/2019	MW-2	277	32	YES	NO	_	Dry drum
8/19/2019	MW-2	251	32	YES	NO	-	Dry drum
U							,



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### Salvador Gas Com A #001A **SVE Monitoring Results** Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Exhaust Vacuum (in)	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
9/19/2019	MW-2	281	32	YES	NO	-	Dry drum
10/8/2019	MW-2	227	25	YES	NO	-	Water in drum 0.50" above drain plug
10/22/2019	MW-2	241	35	YES	YES	14.00	
10/29/2019	MW-2	244	33	YES	YES	12.00	
11/12/2019	MW-2	656	33	NO	YES	25.50	Drained, restarted, collect data
11/22/2019	MW-2	NA	33	YES	YES	18.50	
12/6/2019	MW-2	NA	33	NO	YES	22.00	Drained, restarted
12/10/2019	MW-2	287	33	YES	YES	9.00	Drained, restarted after water sample collected
12/16/2019	MW-2	230	34	YES	YES	17.00	Drained, restarted
12/21/2019	MW-2	NA	34	NO	NO	-	Restarted, then collected exhaust data
12/24/2019	MW-2	NA	34	YES	YES	14.00	Drained, restarted
12/30/2019	MW-2	NA	34	NO	YES	12.00	Restarted, then collected exhaust data
1/4/2020	MW-2	468	33	NO	NO	-	Restarted, then collected data
1/6/2020	MW-2	NA	NA	NO	NO	-	
1/9/2020	MW-2	NA	16	NO	YES	10.50	Drained, restarted, then collected data
1/10/2020	MW-2	NA	18	NO	YES	10.50	Drained, restarted, then collected data
1/11/2020	MW-2	NA	34	NO	YES	5.50	Drained, restarted, then collected data
1/14/2020	MW-2	NA	33	YES	YES	9.00	Drained, restarted
1/22/2020	MW-2	NA	NA	NO	YES	14.00	Drained, restarted, then collected data
1/29/2020	MW-2	397	33	NO	NO	-	Water in drum below drain port
2/4/2020	MW-2	NA	32	NO	YES	20.50	Drained, restarted, then collected data
2/10/2020	MW-2	NA	32	YES	YES	23.50	Drained, restarted
2/18/2020	MW-2	NA	34	YES	YES	21.00	Drained, restarted
2/19/2020	MW-2	NA	34	YES	NO	-	Water level in drum not measured
2/25/2020	MW-2	NA	32	YES	YES	15.50	
3/4/2020	MW-2	215	30	NO	YES	15.50	Drained, restarted, then collected data
3/12/2020	MW-2	NA	29	NO	NO	-	Water in drum below drain port, restarted, then collected data
3/25/2020	MW-2	NA	30	YES	YES	14.00	
3/30/2020	MW-2	199	30	YES	YES	5.50	Shut down during MW sampling, drained, restarted
4/14/2020	MW-2	153	30	NO	YES	11.50	Drained, restarted, then collected data
4/28/2020	MW-2	NA	29	YES	NO	-	Water in drum below drain port, restarted
5/18/2020	MW-2	178	28	NO	NO	-	Water in drum below drain port, restarted
5/20/2020	MW-2	NA	29	YES	NO	-	Water level in drum not measured

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### Salvador Gas Com A #001A **SVE Monitoring Results** Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Exhaust Vacuum (in)	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
6/1/2020	MW-2	275	28	NO	NO	-	Water in drum below drain port, restarted, effluent air sample collected
6/24/2020	MW-2	116	26	NO	NO	-	Water in drum below drain port, restarted
7/29/2020	MW-2	64	26	NO	NO	-	Water level in drum not measured, restarted, then collected readings
8/21/2020	MW-2	238	27	NO	NO	_	Dry drum, restarted, then collected readings
9/1/2020	MW-2	107	28	YES	NO	-	Water level in drum not measured
9/14/2020	MW-2	111	29	YES	NO	-	Shut down prior to sampling, water in drum below drain port, restarted
9/24/2020	MW-2	76	29	YES	NO	-	Water in drum below drain port, restarted
10/9/2020	MW-2	NA	30	YES	NO	_	Water in drum just above drain port
10/22/2020	MW-2	61	29	YES	YES	9.50	
10/29/2020	MW-2	194	29	NO	YES	4.00	Drained, restarted, then collected data
11/5/2020	MW-2	NA	29	NO	YES	-	Water in drum below drain port, restarted, then collected readings
11/11/2020	MW-2	NA	30	YES	YES	10.50	
11/16/2020	MW-2	66	30	YES	YES	11.50	
11/23/2020	MW-2	NA	29	YES	YES	9.00	
12/4/2020	MW-2	NA	30	NO	YES	25.50	
12/10/2020	MW-2	NA	30	YES	YES	20.50	
12/15/2020	MW-2	NA	29	YES	YES	18.50	
12/21/2020	MW-2	NA	29	YES	YES	20.50	
1/13/2021	MW-2	194.3	-	-	YES	-	
2/5/2021	MW-2	78.15	-	-	YES	_	
3/30/2021	MW-2	319.5	-	-	YES	-	
4/15/2021	MW-2	10.86	-	-	YES	_	
5/7/2021	MW-2	8.15	-	-	YES	-	
6/9/2021	MW-2	12.58	-	-	YES	_	
7/13/2021	MW-2	65.27	-	-	YES	-	
9/29/2021	MW-2	22.5	18	YES	NO	-	Water in drum below drain port
10/11/2021	MW-2	44	18	YES	YES	1.00	
11/6/2021	MW-2	465.9	18	NO	YES	26.32	Drained, restarted, then collected data
12/13/2021	MW-2	486	20	NO	YES	27.14	Drained, restarted, then collected data

### Notes:

SVE - soil vapor extraction

OVM - organic vapor meter

ppm - parts per million

in - inches

cfm - cubic feet per minute

gal - gallons

NA - Not Applicable

# **Ground Water**

# **Monitor Well**

Data



### Salvador Gas Com A #001A Groundwater Sampling Results Simcoe LLC

MW #1   12/09/11   3497   39.00   3,100   - 7.46   280   1,000   50   540   MW #1   06/21/12   37.13   - 3,300   - 6.82   210   -5.0   9.3   230   MW #1   06/21/12   37.13   - 3,300   - 6.78   <1.0   <1.0   <1.0   <1.1   3   MW #1   06/21/12   37.22   - 2,700   - 6.94   55   <1.0   <1.0   <1.0   <2.0   MW #1   12/20/12   37.22   - 2,700   - 6.90   22   <1.0   <1.0   <1.0   <2.0   MW #1   12/20/12   37.22   - 2,700   - 7.31   <1.0   <1.0   <1.0   <2.0   MW #1   03/19/13   38.29   - 2,600   - 7.21   1.4   4.3   <1.0   41   MW #1   08/20/21   dry	Well Name	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity (umhos)	Free Phase Product (ft)	pН	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #1   06/21/12   37.13   - 3,300   - 6.78   <1.0   <1.0   <1.0   <2.0     MW #1   12/20/12   37.22   - 2,700   - 6.94   55   <1.0   <1.0   <2.0     MW #1   12/20/13   38.29   - 2,600   - 72.1   1.4   4.3   <1.0   <1.0   <2.0     MW #1   03/19/13   38.29   - 2,600   - 72.1   1.4   4.3   <1.0   <1.0   <2.0     MW #1   08/20/21   dry       -   -   -   -     MW #1   08/20/21   dry     -   -   -   -   -     MW #1   08/20/21   dry   -   -   -   -   -   -   -   -     MW #2   08/30/11   33.54   37.25   2,400   -   7.38   990   6,700   710   10,000     MW #2   12/09/11   33.57   - 3,300   -   7.04   1,900   8,600   930   13,000     MW #2   12/09/11   33.57   - 3,300   -   7.04   1,900   8,600   930   13,000     MW #2   06/21/12   33.70   - 2,600   -   6.87   2,600   10,000   700   18,000     MW #2   09/20/12   33.78   - 2,600   -   6.90   1,900   7,500   800   12,000     MW #2   09/20/12   33.85   - 2,200   -   7.01   2,800   7.600   640   18,000     MW #2   09/20/13   33.49   -   -   0.21   -   -   -   -   -     MW #2   08/26/13   33.98   -   0.21   -   -   -   -   -   -     MW #2   08/26/13   33.98   -   0.11   -   -   -   -   -   -   -     MW #2   08/28/14   34.31   -   0.42   -   0.39   -   -   -   -   -   -   -     MW #2   08/28/14   34.48   -   0.44   -   -   -   -   -   -   -   -   -	MW #1	12/09/11	34.97	39.00	3,100	-	7.46	280	1,000	50	540
MW #1   09/20/12   36.08   - 3,700   - 6.94   55   < 1,0   < 1,0   < 2,0     MW #1   12/20/12   37.22   - 2,700   - 6.90   22   < 1,0   < 1,0   < 2,0     MW #1   03/19/13   38.29   - 2,600   - 7,21   1.4   4.3   < 1,0   < 41     MW #1   06/19/13   39.31   - 2,100   - 7,31   < 1,0   < 1,0   < 1,0   < 2,0     MW #1   08/20/21   dry       MW #1   12/08/21   dry	MW #1	02/09/12	35.01	-	3,300	-	6.82	210	< 5.0	9.3	230
MW #1   12/20/12   37.22   - 2,700   - 6.90   22   <1.0   <1.0   <2.0     MW #1   08/19/13   38.29   - 2,600   - 7.21   1.4   4.3   <1.0   <1.0     MW #1   08/20/21   dry	MW #1	06/21/12	37.13	-	3,300	-		<1.0	<1.0	<1.0	1.3
MW #1   03/19/13   38.29   - 2,600   - 7,21   1.4   4.3   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10   4.10	MW #1	09/20/12	36.08	-	3,700	-	6.94	55	<1.0	<1.0	< 2.0
MW #1   06/19/13   39.31   - 2,100   - 7.31   <1.0   <1.0   <1.0   <2.0     MW #1   12/08/21   dry	MW #1	12/20/12	37.22	-	2,700	-	6.90	22	<1.0	<1.0	< 2.0
MW #1   08/20/21   dry	MW #1	03/19/13	38.29	-	2,600	-	7.21	1.4	4.3	<1.0	41
MW #1   12/08/21   dry	MW #1	06/19/13	39.31	-	2,100	-	7.31	<1.0	<1.0	<1.0	< 2.0
MW #2	MW #1	08/20/21	dry	-	-	-	-	-	-	-	-
MW #2   12/09/11   33.57	MW #1	12/08/21	dry	-	-	-	-	-	-	-	-
MW #2   02/09/12   33.56   - 2,800   - 6.90   1,900   7,500   800   12,000   MW #2   06/21/12   33.70   - 2,600   - 6.87   2,600   10,000   700   18,000   MW #2   02/2012   33.85   - 2,200   - 7.01   2,800   7,600   640   18,000   MW #2   12/20/12   33.85   - 2,200   - 7.01   2,800   7,600   640   18,000   MW #2   03/19/13   33.95   0.21                 -   -   -   -   -   -   -   -     -     -	MW #2	08/30/11	33.54	37.25	2,400	-	7.38	990	6,700	710	10,000
MW #2         06/21/12         33.70         -         2,600         -         6,87         2,600         10,000         700         18,000           MW #2         19/20/12         33.85         -         2,600         -         6,90         2,200         9,900         970         47,000           MW #2         03/19/13         33.95         -         -         0.21         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	12/09/11	33.57	-	3,300	-	7.04	1,900	8,600	930	13,000
MW #2	MW #2	02/09/12	33.56	-	2,800	-	6.90	1,900	7,500	800	12,000
MW #2   12/20/12   33.85   -   2,200   -   7.01   2,800   7,600   640   18,000   MW #2   03/19/13   34.01   -   -   0.26   -   -   -   -   -   -   -   -     -	MW #2	06/21/12	33.70	-	2,600	-	6.87	2,600	10,000	700	18,000
MW #2         03/19/13         33.95         -         -         0.21         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	09/20/12	33.78	-	2,600	-	6.90	2,200	9,900	970	
MW #2         03/19/13         33.95         -         -         0.21         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	12/20/12	33.85	-	2,200	-	7.01	2,800	7,600	640	18,000
MW #2         08/26/13         33.98         -         -         0.11         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	03/19/13	33.95	-		0.21	-	-	-	-	
MW #2         08/26/13         33.98         -         -         0.11         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	06/19/13	34.01	-	-	0.26	-	-	-	-	-
MW #2       12/17/13       34.23       -       0.38       -       -       -       -         MW #2       03/11/14       34.21       -       0.39       -       -       -       -         MW #2       08/28/14       34.05       -       0.23       -       -       -       -         MW #2       12/03/14       34.48       -       0.64       -       -       -       -         MW #2       03/31/15       34.60       -       0.68       -       -       -       -         MW #2       05/26/15       35.13       -       0.54       -       -       -       -         MW #2       08/29/15       34.39       -       >2.2.55       -       -       -       -         MW #2       08/29/15       34.39       -       -       >2.50       -       -       -       -         MW #2       02/24/16       35.95       -       -       -       -       -       -       -         MW #2       09/23/16       36.99       -       2.88       -       -       -       -       -         MW #2       09/31/17       36.74				-	-		-	-	-	-	-
MW #2         06/25/14         34.31         -         0.42         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2			-	-		-	-	-	-	-
MW #2         06/25/14         34.31         -         0.42         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	03/11/14		-	-		-	-	-	-	-
MW #2         08/28/14         34.05         -         0.23         -         -         -         -           MW #2         12/03/14         34.48         -         0.64         -         -         -         -           MW #2         03/31/15         34.60         -         -         >2.25         -         -         -         -           MW #2         11/30/15         34.66         -         -         >2.250         -         -         -         -           MW #2         02/24/16         35.95         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	06/25/14	34.31	-	-		-	-	-	-	-
MW #2         12/03/14         34.48         -         -         0.64         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		08/28/14		-	-		-	-	-	-	-
MW #2         03/31/15         34.60         -         -         0.68         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -			34.48	-	-		-	-	-	_	-
MW #2         05/26/15         35.13         -         0.54         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2		34.60	-	-		-	-	-	-	-
MW #2         08/29/15         34.39         -         -         >22.50         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -				-	-		-	-	-	-	-
MW #2         11/30/15         34.66         -         -         >2.50         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		08/29/15		-	-		-	-	-	-	-
MW #2 05/24/16 35.95 3.61				-	-		-	-	-	-	-
MW #2         05/24/16         37.55         -         -         3.61         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	02/24/16		-	-		-	-	-	-	-
MW #2         09/23/16         37.89         -         -         3.24         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		05/24/16		-	-	3.61	-	-	-	-	-
MW #2         12/08/16         36.99         -         -         2.88         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	09/23/16		-	-		-	-	-	-	-
MW #2         05/28/17         36.97         -         -         3.06         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2			-	-		-	-	-	-	-
MW #2         09/12/17         36.74         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	03/31/17	36.83	-	-	-	-	-	-	-	-
MW #2         09/12/17         36.74         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	MW #2	05/28/17	36.97	-	-	3.06	-	-	-	-	_
MW #2       09/27/18       -       -       -       >3.23       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	MW #2	09/12/17		-	-	-	-	-	-	-	-
MW #2         03/28/19         34.15         -         1,700         -         7.01         1,400         230         1,500         23,000           MW #2         06/24/19         34.11         -         1,350         -         7.12         920         200         1,000         21,000           MW #2         09/19/19         34.31         -         1,050         -         6.92         920         <100	MW #2	06/30/18	36.38	-	-	2.10	-	-	-	-	-
MW #2         06/24/19         34.11         -         1,350         -         7.12         920         200         1,000         21,000           MW #2         09/19/19         34.31         -         1,050         -         6.92         920         <100	MW #2	09/27/18	-	-	-	>3.23	-	-	-	-	-
MW #2         06/24/19         34.11         -         1,350         -         7.12         920         200         1,000         21,000           MW #2         09/19/19         34.31         -         1,050         -         6.92         920         <100		03/28/19	34.15	-	1,700		7.01	1,400	230	1,500	23,000
MW #2         09/19/19         34.31         -         1,050         -         6.92         920         <100         840         17,000           MW #2         12/10/20         34.13         -         1,200         -         7.17         800         <100		06/24/19		-		-					
MW #2         12/10/20         34.13         -         1,200         -         7.17         800         <100         780         16,000           MW #2         03/30/20         34.13         -         1,500         -         7.14         570         <100				-		-					
MW #2         03/30/20         34.13         -         1,500         -         7.14         570         <100		12/10/20		-		-		800			
MW #2         06/01/20         35.53         -         1,300         -         6.98         570         <50         870         17,000           MW #2         09/14/20         36.96         -         1,300         -         7.01         620         150         790         15,000           MW #2         12/15/20         35.85         -         1,400         -         7.07         1,400         13         830         13,000           MW #2         03/04/21         -         -         -         -         -         1,400         ND         ND         810         11,000           MW #2         06/09/21         -         -         -         -         2,500         ND         1,200         13,000           MW #2         08/20/21         36.46         -         3,030         -         7.52         1,900         ND         1,500         12,000           MW #2         12/08/21         37.80         -         2,790         -         7.35         1,600         ND         1,000         8,100           MW #3         08/20/21         dry         38.73         -         -         -         -         -         -				-		-					
MW #2       09/14/20       36.96       -       1,300       -       7.01       620       150       790       15,000         MW #2       12/15/20       35.85       -       1,400       -       7.07       1,400       13       830       13,000         MW #2       03/04/21       -       -       -       -       1,400       ND       ND       810       11,000         MW #2       06/09/21       -       -       -       -       2,500       ND       1,200       13,000         MW #2       08/20/21       36.46       -       3,030       -       7.52       1,900       ND       1,500       12,000         MW #2       12/08/21       37.80       -       2,790       -       7.35       1,600       ND       1,000       8,100         MW #3       08/20/21       dry       38.73       -       -       -       -       -       -       -       -         MW #3       12/08/21       dry       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td< td=""><td></td><td></td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></td<>				-		-					
MW #2       12/15/20       35.85       -       1,400       -       7.07       1,400       13       830       13,000         MW #2       03/04/21       -       -       -       -       1,400       ND       810       11,000         MW #2       06/09/21       -       -       -       -       2,500       ND       1,200       13,000         MW #2       08/20/21       36.46       -       3,030       -       7.52       1,900       ND       1,500       12,000         MW #2       12/08/21       37.80       -       2,790       -       7.35       1,600       ND       1,000       8,100         MW #3       08/20/21       dry       38.73       -       -       -       -       -       -       -         MW #3       12/08/21       dry       -       -       -       -       -       -       -       -       -				-		-					
MW #2       03/04/21       -       -       -       -       1,400       ND       810       11,000         MW #2       06/09/21       -       -       -       -       2,500       ND       1,200       13,000         MW #2       08/20/21       36.46       -       3,030       -       7.52       1,900       ND       1,500       12,000         MW #2       12/08/21       37.80       -       2,790       -       7.35       1,600       ND       1,000       8,100         MW #3       08/20/21       dry       38.73       -       -       -       -       -       -       -       -         MW #3       12/08/21       dry       -       -       -       -       -       -       -       -       -				-		-					
MW #2       06/09/21       -       -       -       -       2,500       ND       1,200       13,000         MW #2       08/20/21       36.46       -       3,030       -       7.52       1,900       ND       1,500       12,000         MW #2       12/08/21       37.80       -       2,790       -       7.35       1,600       ND       1,000       8,100         MW #3       08/20/21       dry       38.73       -       -       -       -       -       -       -       -         MW #3       12/08/21       dry       -       -       -       -       -       -       -       -       -       -		03/04/21	-	-		-	-		ND		
MW #2       08/20/21       36.46       -       3,030       -       7.52       1,900       ND       1,500       12,000         MW #2       12/08/21       37.80       -       2,790       -       7.35       1,600       ND       1,000       8,100         MW #3       08/20/21       dry       38.73       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<	MW #2			-	-	-					
MW #2     12/08/21     37.80     -     2,790     -     7.35     1,600     ND     1,000     8,100       MW #3     08/20/21     dry     38.73     -     -     -     -     -     -     -     -       MW #3     12/08/21     dry     -     -     -     -     -     -     -     -				-	3,030	-					
MW #3 08/20/21 dry 38.73		12/08/21		-		-	7.35			1,000	
MW #3 12/08/21 dry			dry	38.73	-	-		-	-	-	-
	MW #3			-	-	-	-	-	-	-	-
			-	NMWQ	CC Groundwa	ter Standard	6-9	5	1000	700	620



### Salvador Gas Com A #001A Groundwater Sampling Results Simcoe LLC

	Sample	Well	Fluoride	Chloride	Sulfate	Nitrate	TDS	Iron	
	Date	Name	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
•	06/19/13	MW #1	0.15	91	2,200	< 0.10	3,880	2.3	_
NMWQCC Gr	oundwater	Standard	1.6	250.0	600.0	10.0	1000.0	1.0	7

**Notes:** 

TDS - Total Dissolved Solids

ft - feet

mg/L - milligrams per liter

umhos - microhms

ppb - parts per billion

"-" - Indicates no data

NMWQCC - New Mexico Water Quality Control Commission

Depth to water measured from top of well casing

**Bold** values exceed NMWQCC Standard

# LABORATORY



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

March 17, 2021

Steve Moskal SIMCOE 1100 Main St.

Durango, CO 81301 TEL: (505) 330-9179

FAX:

RE: Sandoval GC A 001A OrderNo.: 2103377

### Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/6/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order **2103377** 

Date Reported: 3/17/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW 102

 Project:
 Sandoval GC A 001A
 Collection Date: 3/4/2021 1:35:00 PM

 Lab ID:
 2103377-001
 Matrix: GROUNDWA
 Received Date: 3/6/2021 8:55:00 AM

Analyses	Result	RL (	Qual Units	DF Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES				Analyst	: JMR
Benzene	1400	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Toluene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Ethylbenzene	810	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Methyl tert-butyl ether (MTBE)	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2,4-Trimethylbenzene	1200	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,3,5-Trimethylbenzene	730	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2-Dichloroethane (EDC)	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2-Dibromoethane (EDB)	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Naphthalene	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
1-Methylnaphthalene	ND	200	μg/L	100 3/16/2021 6:24:08 AM	A75948
2-Methylnaphthalene	ND	200	μg/L	100 3/16/2021 6:24:08 AM	A75948
Acetone	ND	500	μg/L	100 3/16/2021 6:24:08 AM	A75948
Bromobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Bromodichloromethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Bromoform	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Bromomethane	ND	150	μg/L	100 3/16/2021 6:24:08 AM	A75948
2-Butanone	ND	500	μg/L	100 3/16/2021 6:24:08 AM	A75948
Carbon disulfide	ND	500	μg/L	100 3/16/2021 6:24:08 AM	A75948
Carbon Tetrachloride	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Chlorobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Chloroethane	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
Chloroform	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Chloromethane	ND	150	μg/L	100 3/16/2021 6:24:08 AM	A75948
2-Chlorotoluene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
4-Chlorotoluene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
cis-1,2-DCE	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
cis-1,3-Dichloropropene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2-Dibromo-3-chloropropane	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
Dibromochloromethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Dibromomethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2-Dichlorobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,3-Dichlorobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,4-Dichlorobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Dichlorodifluoromethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,1-Dichloroethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,1-Dichloroethene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2-Dichloropropane	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,3-Dichloropropane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
2,2-Dichloropropane	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
  - E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

### **Analytical Report**

Lab Order **2103377** 

Date Reported: 3/17/2021

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW 102

**Project:** Sandoval GC A 001A
 Collection Date: 3/4/2021 1:35:00 PM

 **Lab ID:** 2103377-001
 Matrix: GROUNDWA
 Received Date: 3/6/2021 8:55:00 AM

Analyses	Result	RL	Qual Units	DF Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES				Analyst	JMR
1,1-Dichloropropene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Hexachlorobutadiene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
2-Hexanone	ND	500	μg/L	100 3/16/2021 6:24:08 AM	A75948
Isopropylbenzene	71	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
4-Isopropyltoluene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
4-Methyl-2-pentanone	ND	500	μg/L	100 3/16/2021 6:24:08 AM	A75948
Methylene Chloride	ND	150	μg/L	100 3/16/2021 6:24:08 AM	A75948
n-Butylbenzene	ND	150	μg/L	100 3/16/2021 6:24:08 AM	A75948
n-Propylbenzene	82	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
sec-Butylbenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Styrene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
tert-Butylbenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,1,1,2-Tetrachloroethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,1,2,2-Tetrachloroethane	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
Tetrachloroethene (PCE)	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
trans-1,2-DCE	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
trans-1,3-Dichloropropene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2,3-Trichlorobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2,4-Trichlorobenzene	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,1,1-Trichloroethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,1,2-Trichloroethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Trichloroethene (TCE)	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Trichlorofluoromethane	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
1,2,3-Trichloropropane	ND	100	μg/L	100 3/16/2021 6:24:08 AM	A75948
Vinyl chloride	ND	50	μg/L	100 3/16/2021 6:24:08 AM	A75948
Xylenes, Total	11000	75	μg/L	100 3/16/2021 6:24:08 AM	A75948
Surr: 1,2-Dichloroethane-d4	99.4	70-130	%Rec	100 3/16/2021 6:24:08 AM	A75948
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	100 3/16/2021 6:24:08 AM	A75948
Surr: Dibromofluoromethane	94.3	70-130	%Rec	100 3/16/2021 6:24:08 AM	A75948
Surr: Toluene-d8	99.7	70-130	%Rec	100 3/16/2021 6:24:08 AM	A75948

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2103377** *17-Mar-21* 

**Client:** SIMCOE

**Project:** Sandoval GC A 001A

Sample ID: 100ng Ics	SampT	ype: <b>LC</b>	S	Tes	TestCode: EPA Method 8260B: VOLATILES					
Client ID: LCSW	Batch	n ID: <b>A7</b>	5948	F	RunNo: <b>7</b>	5948				
Prep Date:	Analysis D	Analysis Date: 3/15/2021			SeqNo: 20	687603	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.7	70	130			
Toluene	20	1.0	20.00	0	99.3	70	130			
Chlorobenzene	20	1.0	20.00	0	98.4	70	130			
1,1-Dichloroethene	16	1.0	20.00	0	80.2	70	130			
Trichloroethene (TCE)	15	1.0	20.00	0	76.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.7	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.3	70	130			
Surr: Dibromofluoromethane	8.8		10.00		88.3	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: vsb fridge SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Client ID: PBW Batch ID: A75948 RunNo: 75948

Prep Date: Analysis Date: 3/15/2021 SeqNo: 2687604 Units: µg/L

	-									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0				_				
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

# Hall Environmental Analysis Laboratory, Inc.

2103377 17-Mar-21

WO#:

Client: SIMCOE

**Project:** Sandoval GC A 001A

Sample ID: vsb fridge	SampT	ype: <b>ME</b>	BLK	Tes	tCode: <b>El</b>	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batch	n ID: <b>A7</b>	5948	F	RunNo: <b>7</b>	5948				
Prep Date:	Analysis D	Date: 3/	15/2021	5	SeqNo: 20	687604	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
1,2,0-111011010p10pa11 <del>0</del>	ND	2.0								

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2103377** 

17-Mar-21

Client: SIMCOE

**Project:** Sandoval GC A 001A

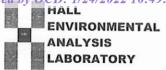
Sample ID: vsb fridge	SampT	уре: <b>МЕ</b>	BLK	Tes	TestCode: EPA Method 8260B: VOLATILES					
Client ID: PBW	Batcl	Batch ID: A75948			RunNo: <b>7</b>	5948				
Prep Date:	Analysis Date: 3/15/2021			9	SeqNo: 20	687604	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.5		10.00		84.6	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.7	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.5	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	SIMCOE	Work Order Numb	er: 210	3377			RcptNo:	1
Received By:	Juan Rojas	3/6/2021 8:55:00 AM	1		Hear	5. g		
Completed By:	Desiree Dominguez	3/8/2021 8:15:22 AM			Juan.			
	58318KY	5.6.2521 6.16.22 All	•		172.	2		
Chain of Cus	stody							
1. Is Chain of C	ustody complete?		Yes	<b>V</b>	No		Not Present	
2. How was the	sample delivered?		Cou	rier				
Log In								
	npt made to cool the samp	oles?	Yes	<b>✓</b>	No		NA 🗌	
4. Were all samp	ples received at a tempera	ature of >0° C to 6.0°C	Yes	<b>✓</b>	No		NA 🗌	
5. Sample(s) in	proper container(s)?		Yes	<b>✓</b>	No			
6. Sufficient sam	nple volume for indicated to	est(s)?	Yes	<b>✓</b>	No			
7. Are samples (	except VOA and ONG) pr	operly preserved?	Yes	<b>✓</b>	No			
8. Was preserva	tive added to bottles?		Yes		No	<b>V</b>	NA 🗆	
9. Received at le	east 1 vial with headspace	<1/4" for AQ VOA?	Yes	<b>v</b>	No		NA 🗆	
10. Were any sar	mple containers received b	proken?	Yes		No	<b>✓</b>	# of preserved	70
11. Does paperwo	ork match bottle labels?		Yes	•	No	П	bottles checked for pH:	3/8/21
	ancies on chain of custody	)	165		NO			>12 unless noted)
12. Are matrices of	correctly identified on Chai	n of Custody?	Yes	<b>✓</b>	No [		Adjusted?	
	t analyses were requested	?	Yes	<b>✓</b>	No			
	ng times able to be met? ustomer for authorization.)		Yes	<b>✓</b>	No		Checked by:	
	ing (if applicable)							
	etified of all discrepancies	with this order?	Yes		No		NA 🗸	
Person	Notified:	Date:	per la company de la compa	NATIONAL SERVICE	DOWN THE REST OFFI	orpanes.		
By Who	om:	Via:	☐ eM	ail 🗍	Phone	Fax	In Person	
Regardi	ing:			and a second			E.E. DECEMBER OF SELECT ANALYSIS OF PURPOSE STEEL PROPERTY.	
Client Ir	nstructions:		Military) January 1999			Selection controls	PERSONAL PROPERTY OF THE PERSON OF THE PERSO	
16. Additional rea	marks:							
17. Cooler Infor	mation							
Cooler No	The same of the sa	Seal Intact Seal No	Seal D	ate	Signed B	Ву		
1	0.2 Good							

Received by OCD: 1/24/2022	10:49:55 AM		Page 20 of 55
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	EDB (Method 504.1) PAHs by 8310 or 8270SIMS CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)		ub-contracted data will be clearly notated on the analytical report.
4901 H	8081 Pesticides/8082 PCB's		KS:
4	(8021) (8021) TMB's (8021) (OAM \ OAO \ OAD)036108:H9T		Remarks:
Turn-Around Time:  A Standard   Rush Project Name:  Standard   C, C, A, ODIA Project #:	Sampler:	5 JCe/ACI -001	Time: Relinquished by:  Received by: Via: Date Time Remarks:  Relinquished by: Received by: Via: Date Time  Received by: Via: Date Time
Client: SIM COC LLC  Bill to TKAV Energy  Mailing Address: 1199 (Neigh R She to 1)  Phone #: 505 330 9119	email or Fax#: Scoooftkall (Full Validation)  CA/QC Package:  Calcreditation: Calcred (Full Validation)  Accreditation: Calcreditation: Cooler Temp(motud)  Cooler Temp(motud)  Container Pre  Container Pre  Container Type and # Type	A 1735 GIV	Date: Time: Relinquished by:  Date: Time: Relinquished by:  AST 10:33  Relinquished by:  AST 10:45  Relinquished by:



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

June 17, 2021

Steve Moskal SIMCOE 1100 Main St. Durango, CO 81301

TEL: (505) 330-9179

FAX:

RE: Sandoval GC A 001A OrderNo.: 2106556

### Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/10/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

# Analytical Report Lab Order 2106556

Date Reported: 6/17/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW 102

 Project:
 Sandoval GC A 001A
 Collection Date: 6/9/2021 1:15:00 PM

 Lab ID:
 2106556-001
 Matrix: GROUNDWA
 Received Date: 6/10/2021 7:05:00 AM

Analyses	Result	RL	Qual Units	DF Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES				Analyst	JMR
Benzene	2500	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Toluene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Ethylbenzene	1200	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Methyl tert-butyl ether (MTBE)	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2,4-Trimethylbenzene	1600	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,3,5-Trimethylbenzene	990	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2-Dichloroethane (EDC)	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2-Dibromoethane (EDB)	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Naphthalene	140	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
1-Methylnaphthalene	ND	200	μg/L	100 6/16/2021 4:23:47 PM	R79124
2-Methylnaphthalene	ND	200	μg/L	100 6/16/2021 4:23:47 PM	R79124
Acetone	ND	500	μg/L	100 6/16/2021 4:23:47 PM	R79124
Bromobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Bromodichloromethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Bromoform	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Bromomethane	ND	150	μg/L	100 6/16/2021 4:23:47 PM	R79124
2-Butanone	ND	500	μg/L	100 6/16/2021 4:23:47 PM	R79124
Carbon disulfide	ND	500	μg/L	100 6/16/2021 4:23:47 PM	R79124
Carbon Tetrachloride	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Chlorobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Chloroethane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
Chloroform	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Chloromethane	ND	150	μg/L	100 6/16/2021 4:23:47 PM	R79124
2-Chlorotoluene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
4-Chlorotoluene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
cis-1,2-DCE	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
cis-1,3-Dichloropropene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2-Dibromo-3-chloropropane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
Dibromochloromethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Dibromomethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2-Dichlorobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,3-Dichlorobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,4-Dichlorobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Dichlorodifluoromethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,1-Dichloroethane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,1-Dichloroethene	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2-Dichloropropane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,3-Dichloropropane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
2,2-Dichloropropane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 4

# Analytical Report Lab Order 2106556

Date Reported: 6/17/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW 102

 Project:
 Sandoval GC A 001A
 Collection Date: 6/9/2021 1:15:00 PM

 Lab ID:
 2106556-001
 Matrix: GROUNDWA
 Received Date: 6/10/2021 7:05:00 AM

Analyses	Result	RL	Qual Units	DF Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES				Analyst	JMR
1,1-Dichloropropene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Hexachlorobutadiene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
2-Hexanone	ND	500	μg/L	100 6/16/2021 4:23:47 PM	R79124
Isopropylbenzene	120	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
4-Isopropyltoluene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
4-Methyl-2-pentanone	ND	500	μg/L	100 6/16/2021 4:23:47 PM	R79124
Methylene Chloride	ND	150	μg/L	100 6/16/2021 4:23:47 PM	R79124
n-Butylbenzene	ND	150	μg/L	100 6/16/2021 4:23:47 PM	R79124
n-Propylbenzene	140	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
sec-Butylbenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Styrene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
tert-Butylbenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,1,1,2-Tetrachloroethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,1,2,2-Tetrachloroethane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
Tetrachloroethene (PCE)	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
trans-1,2-DCE	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
trans-1,3-Dichloropropene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2,3-Trichlorobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2,4-Trichlorobenzene	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,1,1-Trichloroethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,1,2-Trichloroethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Trichloroethene (TCE)	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Trichlorofluoromethane	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
1,2,3-Trichloropropane	ND	100	μg/L	100 6/16/2021 4:23:47 PM	R79124
Vinyl chloride	ND	50	μg/L	100 6/16/2021 4:23:47 PM	R79124
Xylenes, Total	13000	75	μg/L	100 6/16/2021 4:23:47 PM	R79124
Surr: 1,2-Dichloroethane-d4	111	70-130	%Rec	100 6/16/2021 4:23:47 PM	R79124
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	100 6/16/2021 4:23:47 PM	R79124
Surr: Dibromofluoromethane	103	70-130	%Rec	100 6/16/2021 4:23:47 PM	R79124
Surr: Toluene-d8	110	70-130	%Rec	100 6/16/2021 4:23:47 PM	R79124

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 4

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106556** 

17-Jun-21

Client: SIMCOE

**Project:** Sandoval GC A 001A

Sample ID: 100ng Ics	SampType: LCS TestCode: EPA Method 8260B: VOLATILES												
Client ID: LCSW	Batch ID	): <b>A7</b>	9107	F	RunNo: 7	9107							
Prep Date:	Analysis Date	e: <b>6/</b>	15/2021	S	SeqNo: 2	776718	Units: %Rec	;					
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.7	70	130						
Surr: 4-Bromofluorobenzene	9.9		10.00		99.0	70	130						
Surr: Dibromofluoromethane	10		10.00		102	70	130						
Surr: Toluene-d8	10		10.00		100	70	130						
Sample ID: mb	SampType	e: <b>M</b> E	BLK	TestCode: EPA Method 8260B: VOLATILES									
Client ID: PBW	Batch ID	): <b>A</b> 7	9107	F	RunNo: <b>7</b> 9	9107							
Prep Date:	Analysis Date	e: 6/	15/2021	S	SeqNo: 2	776719	Units: %Red	;					
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130						
Surr: 4-Bromofluorobenzene	9.3		10.00		92.6	70	130						
Surr: Dibromofluoromethane	11		10.00		106	70	130						
Surr: Toluene-d8	10		10.00		102	70	130						
Sample ID: 100ng lcs	SampType	e: LC	s	Tes	tCode: El	PA Method	8260B: VOL	ATILES					
Client ID: LCSW	Batch ID	): <b>C</b> 7	9124	F	RunNo: <b>7</b> 9	9124							
Prep Date:	Analysis Date	e: <b>6</b> /	16/2021	S	SeqNo: 2	777978	Units: %Rec	;					
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130						
Surr: 4-Bromofluorobenzene	9.2		10.00		92.2	70	130						
Surr: Dibromofluoromethane	10		10.00		102	70	130						
Surr: Toluene-d8	11		10.00		106	70	130						
Sample ID: 100ng lcs2	SampType	e: LC	s	Tes	tCode: El	PA Method	8260B: VOL	ATILES					

	<b>C</b> ap.:	) P 0 <del>-</del>	•							
Client ID: LCSW	Batch	ID: <b>D7</b>	9124	F	RunNo: <b>7</b> 9	9124				
Prep Date:	Analysis D	ate: <b>6/</b>	17/2021	S	SeqNo: 2	777979	Units: %Red	:		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	9.7		10.00		96.8	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Client ID: PBW Batch ID: C79124 RunNo: 79124

Prep Date: Analysis Date: 6/16/2021 SeqNo: 2777980 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 4

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106556** *17-Jun-21* 

**Client:** SIMCOE

**Project:** Sandoval GC A 001A

Sample ID: mb	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8260B: VOLATILES									
Client ID: PBW	Batch	1D: <b>C7</b>	9124	F	RunNo: 7	9124								
Prep Date:	Analysis D	ate: 6/	16/2021	S	SeqNo: 2	777980	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.3	70	130							
Surr: 4-Bromofluorobenzene	9.7		10.00		97.0	70	130							
Surr: Dibromofluoromethane	10 10.00			104 70			130							
Surr: Toluene-d8	9.9		10.00	98.7 70			130							

Sample ID: mb2	TestCode: EPA Method 8260B: VOLATILES											
Client ID: PBW	Batch	Batch ID: <b>D79124</b>			RunNo: <b>7</b> 9	9124						
Prep Date:	Analysis D	ate: 6/	17/2021	S	SeqNo: 2	777981	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.7	70	130					
Surr: 4-Bromofluorobenzene	9.7		10.00		97.4	70	130					
Surr: Dibromofluoromethane	9.8 10.00			98.3 70		130						
Surr: Toluene-d8	Surr: Toluene-d8 9.9 10.00			99.2	70	130						

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

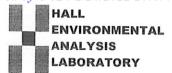
E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: SIMCOE	Work Order Num	ber: 2106556		RcptNo: 1	
Received By: Juan Rojas	6/10/2021 7:05:00	АМ	flour Say		
Completed By: Cheyenne Cason	6/10/2021 8:25:28	AM	(lead		
Reviewed By: JR 6/10/21			Copinion in the copinion in th		
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
<u>Log In</u>					
Was an attempt made to cool the samples	?	Yes 🗸	No 🗌	NA $\square$	
4. Were all samples received at a temperatur	e of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated test	(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) prope	erly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗸	NA 🗌	
9. Received at least 1 vial with headspace <1.	/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any sample containers received brok	en?	Yes	No 🗸	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗌	bottles checked for pH:	
12. Are matrices correctly identified on Chain of	f Custody?	Yes 🗸	No 🗌	(<2.0F>12 Adjusted?	unless noted)
13. Is it clear what analyses were requested?	. Subtody .	Yes 🗸	No 🗆		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🗆	Checked by: K7	7 6/10/2
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:		With the State of		
By Whom:	Via:	eMail F	Phone  Fax	☐ In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
17. Cooler Information  Cooler No Temp °C Condition S	Seal Intact Seal No	Seal Date	Signed By		
1 2.0 Good Ye		Jeai Dale	Olgileu by		

Receiv	ed by	00	D: 1/	24/2	022	10:4	9:55	4 <i>M</i>					T	Г	Т		Т				Page 2	Zof 55
	MALL ENVIKONMENIAL ANALYSTS I ABORATORY		- Albuquerque, NM 87109	Fax 505-345-4107	Analysis Request	(ţu	əsqV/	due	ON (A serqs	·\0	٦٢, ١ VOÆ)	CI, F, E 8260 (/ 8270 (9 Total C	×								Page 2	
5			4901 Hawkins NE	Tel. 505-345-3975			SMIS					d sHA9								=		itracted
		_	Hawk	505-3			0.00					EDB (N	_									sub-con
			4901	Tel.								08:H9T 9 1808								rks:		ty. Any
												BTEX /								Remarks:		oossibilit
Turn-Around Time:	Standard 🗆 Rush	Project Name:	Sampled GC A DOIA		730	Project Manager:	CASON OF ON THE STATE OF THE ST	FLE 1 105 122	Sampler: W N On Ice: D-Yes D No	olers: \	Cooler Temp(including CF): 7.1-6.1-26 (°C)	Container Preservative HEAL No. Type and # Type	Hel ITO (32)							Received by: Via: Date Time R	Date	If to a processary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report
Chain-of-Custody Record	of Client: Symbole LLC	(Imaa	Mailing Address: 1199 Main At Pe 101	Duchor (2) (20)	2 Phone #: 505 336 9 179	email or Fax#: Buenimestal DSKAWerray	OA/QC Package:	Otalidald	Maccreditation: ☐ Az Compliance ☐ NELAC ☐ Other	ype)_		Date Time Matrix Sample Name	69211315 GW MW 102							Date: Time: Relinquished by:	Date: Time: Refinquished by:	7



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

August 31, 2021

Steve Moskal SIMCOE 1100 Main St. Durango, CO 81301

TEL: (505) 330-9179

FAX:

RE: Sandoval GC A 1A OrderNo.: 2108C76

### Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/24/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order 2108C76

Date Reported: 8/31/2021

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #2

**Project:** Sandoval GC A 1A Collection Date: 8/20/2021 11:20:00 AM

**Lab ID:** 2108C76-001 **Matrix:** AQUEOUS **Received Date:** 8/24/2021 7:00:00 AM

Analyses	Result	RL	Qual Units	DF Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES				Analyst	CCM
Benzene	1900	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Toluene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Ethylbenzene	1500	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Methyl tert-butyl ether (MTBE)	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,2,4-Trimethylbenzene	2500	200	μg/L	200 8/28/2021 12:30:00 AM	R80854
1,3,5-Trimethylbenzene	1600	200	μg/L	200 8/28/2021 12:30:00 AM	R80854
1,2-Dichloroethane (EDC)	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,2-Dibromoethane (EDB)	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Naphthalene	200	40	μg/L	20 8/28/2021 12:53:00 AM	R80854
1-Methylnaphthalene	ND	80	μg/L	20 8/28/2021 12:53:00 AM	R80854
2-Methylnaphthalene	170	80	μg/L	20 8/28/2021 12:53:00 AM	R80854
Acetone	ND	200	μg/L	20 8/28/2021 12:53:00 AM	R80854
Bromobenzene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Bromodichloromethane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Bromoform	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Bromomethane	ND	60	μg/L	20 8/28/2021 12:53:00 AM	R80854
2-Butanone	ND	200	μg/L	20 8/28/2021 12:53:00 AM	R80854
Carbon disulfide	ND	200	μg/L	20 8/28/2021 12:53:00 AM	R80854
Carbon Tetrachloride	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Chlorobenzene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Chloroethane	ND	40	μg/L	20 8/28/2021 12:53:00 AM	R80854
Chloroform	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Chloromethane	ND	60	μg/L	20 8/28/2021 12:53:00 AM	R80854
2-Chlorotoluene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
4-Chlorotoluene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
cis-1,2-DCE	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
cis-1,3-Dichloropropene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,2-Dibromo-3-chloropropane	ND	40	μg/L	20 8/28/2021 12:53:00 AM	R80854
Dibromochloromethane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Dibromomethane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,2-Dichlorobenzene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,3-Dichlorobenzene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,4-Dichlorobenzene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
Dichlorodifluoromethane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,1-Dichloroethane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,1-Dichloroethene	ND	20	μg/L	20 8/28/2021 12:53:00 AM	
1,2-Dichloropropane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
1,3-Dichloropropane	ND	20	μg/L	20 8/28/2021 12:53:00 AM	R80854
2,2-Dichloropropane	ND	40	μg/L	20 8/28/2021 12:53:00 AM	R80854

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

### **Analytical Report**

Lab Order **2108C76**Date Reported: **8/31/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #2

**Project:** Sandoval GC A 1A Collection Date: 8/20/2021 11:20:00 AM

**Lab ID:** 2108C76-001 **Matrix:** AQUEOUS **Received Date:** 8/24/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst	ССМ
1,1-Dichloropropene	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
Hexachlorobutadiene	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
2-Hexanone	ND	200		μg/L	20	8/28/2021 12:53:00 AM	R80854
Isopropylbenzene	270	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
4-Isopropyltoluene	150	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
4-Methyl-2-pentanone	ND	200		μg/L	20	8/28/2021 12:53:00 AM	R80854
Methylene Chloride	ND	60		μg/L	20	8/28/2021 12:53:00 AM	R80854
n-Butylbenzene	86	60		μg/L	20	8/28/2021 12:53:00 AM	R80854
n-Propylbenzene	340	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
sec-Butylbenzene	100	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
Styrene	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
tert-Butylbenzene	20	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,1,1,2-Tetrachloroethane	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,1,2,2-Tetrachloroethane	ND	40		μg/L	20	8/28/2021 12:53:00 AM	R80854
Tetrachloroethene (PCE)	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
trans-1,2-DCE	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
trans-1,3-Dichloropropene	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,2,3-Trichlorobenzene	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,2,4-Trichlorobenzene	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,1,1-Trichloroethane	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,1,2-Trichloroethane	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
Trichloroethene (TCE)	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
Trichlorofluoromethane	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
1,2,3-Trichloropropane	ND	40		μg/L	20	8/28/2021 12:53:00 AM	R80854
Vinyl chloride	ND	20		μg/L	20	8/28/2021 12:53:00 AM	R80854
Xylenes, Total	12000	300		μg/L	200	8/28/2021 12:30:00 AM	R80854
Surr: 1,2-Dichloroethane-d4	76.8	70-130		%Rec	20	8/28/2021 12:53:00 AM	R80854
Surr: 4-Bromofluorobenzene	84.9	70-130		%Rec	20	8/28/2021 12:53:00 AM	R80854
Surr: Dibromofluoromethane	77.5	70-130		%Rec	20	8/28/2021 12:53:00 AM	R80854
Surr: Toluene-d8	136	70-130	S	%Rec	20	8/28/2021 12:53:00 AM	R80854

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

### Hall Environmental Analysis Laboratory, Inc.

2108C76 31-Aug-21

Qual

WO#:

**Client: SIMCOE** 

**Project:** Sandoval GC A 1A

Sample ID: 100ng 8260 lcs	SampT	ype: <b>LC</b>	S	TestCode: EPA Method 8260B: VOLATILES											
Client ID: LCSW	Batch	n ID: <b>R8</b>	0854	F	RunNo: 8	0854									
Prep Date:	Analysis D	oate: <b>8/</b> 2	27/2021	8	SeqNo: 2	853387	Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	18	1.0	20.00	0	92.5	70	130								
Toluene	19	1.0	20.00	0	96.1	70	130								
Chlorobenzene	19	1.0	20.00	0	93.9	70	130								
1,1-Dichloroethene	17	1.0	20.00	0	84.3	70	130								
Trichloroethene (TCE)	17	1.0	20.00	0	83.2	70	130								
Surr: 1,2-Dichloroethane-d4	8.2		10.00		81.8	70	130								
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130								
Surr: Dibromofluoromethane	7.9		10.00		79.3 70										
Surr: Toluene-d8	9.8		10.00		98.1	70	130								

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Client ID: PBW Batch ID: R80854 RunNo: 80854

Prep Date: Analysis Date: 8/27/2021 SeqNo: 2853388 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	ND	1.0							
Toluene	ND	1.0							
Ethylbenzene	ND	1.0							
Methyl tert-butyl ether (MTBE)	ND	1.0							
1,2,4-Trimethylbenzene	ND	1.0							
1,3,5-Trimethylbenzene	ND	1.0							
1,2-Dichloroethane (EDC)	ND	1.0							
1,2-Dibromoethane (EDB)	ND	1.0							
Naphthalene	ND	2.0							
1-Methylnaphthalene	ND	4.0							
2-Methylnaphthalene	ND	4.0							
Acetone	ND	10							
Bromobenzene	ND	1.0							
Bromodichloromethane	ND	1.0							
Bromoform	ND	1.0							
Bromomethane	ND	3.0							
2-Butanone	ND	10							
Carbon disulfide	ND	10							
Carbon Tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	2.0							
Chloroform	ND	1.0							
Chloromethane	ND	3.0							
2-Chlorotoluene	ND	1.0							

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

# Hall Environmental Analysis Laboratory, Inc.

2108C76 31-Aug-21

WO#:

Client: SIMCOE

**Project:** Sandoval GC A 1A

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Campie ib. iiib	Gampi	ypc. WL	,	Testodde. El A Method 02000. VOLATILLO												
Client ID: PBW	Batch	n ID: <b>R8</b>	0854	R	lunNo: <b>80</b>	)854										
Prep Date:	Analysis D	ate: 8/2	27/2021	S	SeqNo: 28	353388	Units: µg/L									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
4-Chlorotoluene	ND	1.0														
cis-1,2-DCE	ND	1.0														
cis-1,3-Dichloropropene	ND	1.0														
1,2-Dibromo-3-chloropropane	ND	2.0														
Dibromochloromethane	ND	1.0														
Dibromomethane	ND	1.0														
1,2-Dichlorobenzene	ND	1.0														
1,3-Dichlorobenzene	ND	1.0														
1,4-Dichlorobenzene	ND	1.0														
Dichlorodifluoromethane	ND	1.0														
1,1-Dichloroethane	ND	1.0														
1,1-Dichloroethene	ND	1.0														
1,2-Dichloropropane	ND	1.0														
1,3-Dichloropropane	ND	1.0														
2,2-Dichloropropane	ND	2.0														
1,1-Dichloropropene	ND	1.0														
Hexachlorobutadiene	ND	1.0														
2-Hexanone	ND	10														
Isopropylbenzene	ND	1.0														
4-Isopropyltoluene	ND	1.0														
4-Methyl-2-pentanone	ND	10														
Methylene Chloride	ND	3.0														
n-Butylbenzene	ND	3.0														
n-Propylbenzene	ND	1.0														
sec-Butylbenzene	ND	1.0														
Styrene	ND	1.0														
tert-Butylbenzene	ND	1.0														
1,1,1,2-Tetrachloroethane	ND	1.0														
1,1,2,2-Tetrachloroethane	ND	2.0														
Tetrachloroethene (PCE)	ND	1.0														
trans-1,2-DCE	ND	1.0														
trans-1,3-Dichloropropene	ND	1.0														
1,2,3-Trichlorobenzene	ND	1.0														
1,2,4-Trichlorobenzene	ND	1.0														
1,1,1-Trichloroethane	ND	1.0														
1,1,2-Trichloroethane	ND	1.0														
Trichloroethene (TCE)	ND	1.0														
Trichlorofluoromethane	ND	1.0														
1,2,3-Trichloropropane	ND	2.0														
• •																

### Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

# Hall Environmental Analysis Laboratory, Inc.

2108C76 31-Aug-21

WO#:

**Client:** SIMCOE

**Project:** Sandoval GC A 1A

Sample ID: mb	SampT	Гуре: <b>МЕ</b>	BLK	Tes	TestCode: EPA Method 8260B: VOLATILES											
Client ID: PBW	Batcl	h ID: <b>R8</b>	0854	F	RunNo: 80	0854										
Prep Date:	Analysis D	Date: 8/	27/2021	SeqNo: <b>2853388</b>			Units: µg/L									
Analyte	Result	Result PQL S		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Vinyl chloride	ND	1.0														
Xylenes, Total	ND	1.5														
Surr: 1,2-Dichloroethane-d4	8.3		10.00		82.8	70	130									
Surr: 4-Bromofluorobenzene	10		10.00		99.8	70	130									
Surr: Dibromofluoromethane	8.1		10.00		81.2	70	130									
Surr: Toluene-d8	9.9		10.00		99.0	70	130									

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name:	SIMCOE		Work	Order Num	nber: 210	BC76		RcptNo	: 1
Received By:	Cheyenne	e Cason	8/24/20	21 7:00:00	AM		Charl		
Completed By:	Sean Livi	ngston	8/24/20	21 11:37:4	7 AM		Chul		
Reviewed By:	LPa	8/24/	4					1000	
Chain of Cust	ody								
1. Is Chain of Cu	stody comp	lete?			Yes	<b>V</b>	No 🗔	Not Present	
2. How was the s	sample deliv	vered?			Cou	rier			
<u>Log In</u>									
3. Was an attempt	ot made to	cool the samp	les?		Yes	<b>✓</b>	No 🗌	NA 🗌	
1 Mars all samuel							No 🗌		
4. Were all sample	ies received	i at a tempera	ture of >0°C	to 6.0°C	Yes	V	140	NA 🗌	
5. Sample(s) in p	roper conta	iner(s)?			Yes	<b>V</b>	No 🗌		
6. Sufficient samp	ale volume f	or indicated te	set(e)?		Yes	<b>V</b>	No 🗌		
7. Are samples (e				ad?		<b>V</b>	No 🗆		
8. Was preservati			perly preserve	su:			No 🗸	NA 🗌	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		201100			103		110	, v	
9. Received at lea	ist 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes	<b>V</b>	No 🗌	NA 🗌	
10. Were any sam	ple containe	ers received b	roken?		Yes		No 🗸	# of preserved	
11. Does paperwor	le matab ba	Wa labala O					Na 🗀	bottles checked	
(Note discrepar			)		Yes	V	No 🗀	for pH: (<2 or	>12 unless noted)
2. Are matrices co	orrectly iden	tified on Chair	n of Custody?		Yes	<b>✓</b>	No 🗌	Adjusted?	
3. Is it clear what			?		Yes	<b>v</b>	No 🗌		Dr 0 -11
14. Were all holding					Yes	<b>V</b>	No 🗌	Checked by:	> 14 0.54
(If no, notify cus									
Special Handlii									
15. Was client not	ified of all d	iscrepancies v	vith this order?	•	Yes		No 🗌	NA 🗸	
Person N	Notified:	AMERICAN MENCHANNES AND		Date	· processon	NOT THE STREET, AND	CONTRACTOR CONTRACTOR CONTRACTOR		
By Whor	n:			Via:	eMa	ail 🗌	Phone Fax	In Person	
Regardin	-						NAMES ASSESSMENT OF THE PARTY O	AL VICTORIO DOS ABIOTISMISTA INCIDENCE LE	
Client Ins	structions:								
16. Additional rem	narks:								
17. Cooler Inform	nation								
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ate	Signed By		
2	1.8	Good Good							
3	1.0	Good							

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Sec	LLC / COTTONWOOD CONSULTING		1199 Main St., Suite # 101	100		steven.moskal@ikavenergy.com	Level 4 (Full Validation)				Sample Request ID	MW #2																Envir
>	WOO		Suit	Durango, Colo. 81301	0	@ik	el 4				Idm															5	1	to Hall
DO:	TON		St.,	Colo	(505) 330-9179	skal	Lev				Sa													).: à		by:	7,	Page 1
US	COT		Mair	go,	330-	n.mc			je		.×	R		+	$\vdash$	$\vdash$	_				-	$\dashv$		shed	1	ished	1	dus se
Ş	/ JT		199	uran	(509	evel			Other		Matrix	WATER												Relinquished by:	1	Relinquished by:	W	Sample
P					3	S						_		+	-	-					-	+		-	-	S.	7 1	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.
2	SIMCOE		ress:			#	ige:	::		(ə)	Time	1720												Time:	1430	Time:	1430	If necessary
Chain-of-Custody Record	S		Add		4.	r Fax	'QC Packa Standard	ation	4P	(Typ				+	-	-		_			-	+		1		1	_	
	int:		and Address:		hone #:	email or Fax#:	AAQC Package: ☑ Standard	ccreditation:	NELAP	EDD (Type)	Date	8/20/21													2/22/2		12/82/8	3/5
Rele	ased	to Im	agin	g: 1)	19/2	024	19:03	8 15 ∕A	W		ш	8/												Date:	2/8	Date:	2/8	2/08/8.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

December 16, 2021

Julie Best SIMCOE 1100 Main St.

Durango, CO 81301 TEL: (505) 330-9179

FAX:

RE: Sandoval GC A 1A OrderNo.: 2112691

#### Dear Julie Best:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/9/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

# Analytical Report Lab Order 2112691

Date Reported: 12/16/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW#2

**Project:** Sandoval GC A 1A **Collection Date:** 12/8/2021 12:15:00 PM

**Lab ID:** 2112691-001 **Matrix:** AQUEOUS **Received Date:** 12/9/2021 7:25:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES					Analyst: <b>JR</b>
Benzene	1600	20	μg/L	20	12/14/2021 2:56:12 AM
Toluene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Ethylbenzene	1000	20	μg/L	20	12/14/2021 2:56:12 AM
Methyl tert-butyl ether (MTBE)	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,2,4-Trimethylbenzene	1900	200	μg/L	200	12/14/2021 2:27:54 AM
1,3,5-Trimethylbenzene	1500	20	μg/L	20	12/14/2021 2:56:12 AM
1,2-Dichloroethane (EDC)	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,2-Dibromoethane (EDB)	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Naphthalene	140	40	μg/L	20	12/14/2021 2:56:12 AM
1-Methylnaphthalene	ND	80	μg/L	20	12/14/2021 2:56:12 AM
2-Methylnaphthalene	110	80	μg/L	20	12/14/2021 2:56:12 AM
Acetone	ND	200	μg/L	20	12/14/2021 2:56:12 AM
Bromobenzene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Bromodichloromethane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Bromoform	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Bromomethane	ND	60	μg/L	20	12/14/2021 2:56:12 AM
2-Butanone	ND	200	μg/L	20	12/14/2021 2:56:12 AM
Carbon disulfide	ND	200	μg/L	20	12/14/2021 2:56:12 AM
Carbon Tetrachloride	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Chlorobenzene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Chloroethane	ND	40	μg/L	20	12/14/2021 2:56:12 AM
Chloroform	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Chloromethane	ND	60	μg/L	20	12/14/2021 2:56:12 AM
2-Chlorotoluene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
4-Chlorotoluene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
cis-1,2-DCE	ND	20	μg/L	20	12/14/2021 2:56:12 AM
cis-1,3-Dichloropropene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,2-Dibromo-3-chloropropane	ND	40	μg/L	20	12/14/2021 2:56:12 AM
Dibromochloromethane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Dibromomethane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,2-Dichlorobenzene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,3-Dichlorobenzene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,4-Dichlorobenzene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
Dichlorodifluoromethane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,1-Dichloroethane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,1-Dichloroethene	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,2-Dichloropropane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
1,3-Dichloropropane	ND	20	μg/L	20	12/14/2021 2:56:12 AM
2,2-Dichloropropane	ND	40	μg/L	20	12/14/2021 2:56:12 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

# Analytical Report Lab Order 2112691

Date Reported: 12/16/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW#2

 Project:
 Sandoval GC A 1A
 Collection Date: 12/8/2021 12:15:00 PM

 Lab ID:
 2112691-001
 Matrix: AQUEOUS
 Received Date: 12/9/2021 7:25:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 8260B: VOLATILES** Analyst: JR 1.1-Dichloropropene ND 20 μg/L 20 12/14/2021 2:56:12 AM Hexachlorobutadiene ND 20 μg/L 20 12/14/2021 2:56:12 AM 12/14/2021 2:56:12 AM ND 200 20 2-Hexanone μg/L Isopropylbenzene 150 20 µg/L 20 12/14/2021 2:56:12 AM 4-Isopropyltoluene 82 20 μg/L 20 12/14/2021 2:56:12 AM 4-Methyl-2-pentanone ND 200 µg/L 20 12/14/2021 2:56:12 AM Methylene Chloride ND 20 60 μg/L 12/14/2021 2:56:12 AM n-Butylbenzene ND 60 µg/L 20 12/14/2021 2:56:12 AM n-Propylbenzene 180 20 20 12/14/2021 2:56:12 AM μg/L sec-Butylbenzene 41 20 μg/L 20 12/14/2021 2:56:12 AM Styrene ND 20 μg/L 20 12/14/2021 2:56:12 AM tert-Butylbenzene ND 20 μg/L 20 12/14/2021 2:56:12 AM 1,1,1,2-Tetrachloroethane ND 20 μg/L 20 12/14/2021 2:56:12 AM 1,1,2,2-Tetrachloroethane ND 40 20 12/14/2021 2:56:12 AM μg/L Tetrachloroethene (PCE) ND 20 µg/L 20 12/14/2021 2:56:12 AM trans-1.2-DCE ND 20 μg/L 20 12/14/2021 2:56:12 AM trans-1,3-Dichloropropene ND 20 μg/L 20 12/14/2021 2:56:12 AM 1,2,3-Trichlorobenzene ND 20 20 12/14/2021 2:56:12 AM μg/L 1,2,4-Trichlorobenzene ND 20 μg/L 20 12/14/2021 2:56:12 AM 1,1,1-Trichloroethane ND 20 µg/L 20 12/14/2021 2:56:12 AM 1,1,2-Trichloroethane ND 20 μg/L 20 12/14/2021 2:56:12 AM Trichloroethene (TCE) ND 20 μg/L 20 12/14/2021 2:56:12 AM Trichlorofluoromethane ND 20 μg/L 20 12/14/2021 2:56:12 AM 1,2,3-Trichloropropane ND 40 µg/L 20 12/14/2021 2:56:12 AM Vinyl chloride ND 20 μg/L 20 12/14/2021 2:56:12 AM Xylenes, Total 8100 300 µg/L 200 12/14/2021 2:27:54 AM Surr: 1,2-Dichloroethane-d4 20 92.0 70-130 %Rec 12/14/2021 2:56:12 AM Surr: 4-Bromofluorobenzene 114 70-130 %Rec 20 12/14/2021 2:56:12 AM Surr: Dibromofluoromethane %Rec 20 12/14/2021 2:56:12 AM 91.8 70-130 Surr: Toluene-d8 110 70-130 %Rec 20 12/14/2021 2:56:12 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

## **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

Result

ND

ND

3.0

1.0

PQL

2112691 16-Dec-21

WO#:

**Client: SIMCOE** 

**Project:** Sandoval GC A 1A

Sample ID: 100ng lcs	SampT	SampType: LCS TestCode: EPA Method						ATILES		
Client ID: LCSW	Batch	n ID: <b>R8</b>	4495	F	lunNo: 8	4495				
Prep Date:	Analysis D	oate: 12	2/13/2021	S	SeqNo: 2	969399	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.3	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	97.1	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	94.6	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.6	70	130			
Surr: Toluene-d8	9.8		10.00		98.2	70	130			

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES Client ID: PBW Batch ID: R84495 RunNo: 84495 Prep Date: Analysis Date: 12/13/2021 SeqNo: 2969421 Units: µg/L

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

**RPDLimit** 

Qual

Benzene	ND	1.0	
Toluene	ND	1.0	
Ethylbenzene	ND	1.0	
Methyl tert-butyl ether (MTBE)	ND	1.0	
1,2,4-Trimethylbenzene	ND	1.0	
1,3,5-Trimethylbenzene	ND	1.0	
1,2-Dichloroethane (EDC)	ND	1.0	
1,2-Dibromoethane (EDB)	ND	1.0	
Naphthalene	ND	2.0	
1-Methylnaphthalene	ND	4.0	
2-Methylnaphthalene	ND	4.0	
Acetone	ND	10	
Bromobenzene	ND	1.0	
Bromodichloromethane	ND	1.0	
Bromoform	ND	1.0	
Bromomethane	ND	3.0	
2-Butanone	ND	10	
Carbon disulfide	ND	10	
Carbon Tetrachloride	ND	1.0	
Chlorobenzene	ND	1.0	
Chloroethane	ND	2.0	
Chloroform	ND	1.0	

#### Qualifiers:

Chloromethane

2-Chlorotoluene

Analyte

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

2112691 16-Dec-21

WO#:

Client: SIMCOE

**Project:** Sandoval GC A 1A

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Campic ID. IIID	Gampi	ypc. IIIL	<b></b>	restoode. El A Method 02005. VOEATILEO						
Client ID: PBW	Batch	n ID: <b>R8</b>	4495	R	RunNo: <b>8</b> 4	1495				
Prep Date:	Analysis D	ate: 12	2/13/2021	S	SeqNo: 29	969421	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
· ·										

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

2112691 16-Dec-21

WO#:

**Client:** SIMCOE

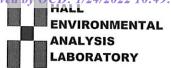
**Project:** Sandoval GC A 1A

Sample ID: mb	SampT	уре: МЕ	BLK	Tes	tCode: El					
Client ID: PBW	Batch	Batch ID: <b>R84495</b>			RunNo: 84	4495				
Prep Date:	Analysis Date: 12/13/2021			5	SeqNo: 2969421					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.9	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.9		10.00		98.9	70	130			
Surr: Toluene-d8	9.8		10.00		98.5	70	130			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: SIMCOE Work Ord	der Number: 2112691		RcptNo: 1	
Received By: Tracy Casarrubias 12/9/2021	7:25:00 AM			
Completed By: Tracy Casarrubias 12/9/2021	3:15:40 PM			
Reviewed By: KYA 12/0/21				
Chain of Custody				
1. Is Chain of Custody complete?	Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?	Courier			
<u>Log In</u> 3. Was an attempt made to cool the samples?	v 🗖		🗖	
2. Vide an attempt made to cool the samples?	Yes 🗹	No 📙	NA 🗌	
4. Were all samples received at a temperature of $>0^{\circ}$ C to 6	.0°C Yes ✓	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?	Yes 🗸	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes 🗸	No 🗌		
$7.\ \mbox{Are samples}$ (except VOA and ONG) properly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to bottles?	Yes	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for AQ VOA	? Yes ✓	No 🗌	NA 🗆	
10. Were any sample containers received broken?	Yes	No 🗹	# of	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗸	No 🗆	# of preserved bottles checked for pH: (<2 or >12 unles	o noted)
12. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗆	Adjusted?	ss noted)
13. Is it clear what analyses were requested?	Yes 🗸	No 🗌		1 1
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No 🗆	Checked by: JN 12	10/21
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:	THE RESERVE THE PERSONNEL PROPERTY.		
By Whom:	Via: eMail Pr	none  Fax	☐ In Person	
Regarding: Client Instructions:				
16. Additional remarks:				
<ol> <li>Cooler Information         Cooler No Temp °C Condition Seal Intact Se     </li> </ol>	al No Seal Date	Signed Du		
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				Project Nam			-			4	PI IN	IAI	-4:	SL	SI	_A	BC	R	ATC	)R'	Y
Mailing	Addres	s: 119	99 Main Ave Suite 101	Sandoval GC	A #1A								allen								
				Project #:			_	49	901 I	Haw	kins	NE	- A	lbuo	uero	que,	NM	8710	09		
			o, CO 81301	- Toject #.				Т	el. 5	05-3	345-	3975	5	Fax	c 50	5-34	15-4	107			
		94-0131										I	Anal	ysis	Red	que	st				
			t@ikavenergy.com	Project Mana	ager:			6					04			£				T	
	Package	:		Julie Best			021	MR	3's		S		, SO <sub>4</sub>			sen				1	
Star	ndard		☐ Level 4 (Full Validation)				TMB's (8021)	TPH:8015D(GRO/DRO/MRO)	PCB's		8270SIMS		NO <sub>2</sub> , PO <sub>4</sub> ,			Total Coliform (Present/Absent)					
			ompliance	Sampler: Em	ma Millar		MB	DR	8081 Pesticides/8082	7	270		02,			sen					
□ NEL		□ Othe	<u> </u>	On Ice:	☑ Yes	□ No	-	0	s/8(	04	or 8				8	Pre	SU	Zu			
	(Type)	T		# of Coolers:			BE	(GF	ide	od 5	10	tals	03		9	) m	ic	1,2			
				Cooler Temp	(including CF): 3.	1-8=3.1		15D	stic	etho	/ 83	Me	7	OA)	i.i.	lifor	/A	Cu. Mn,			
				Container	Preservative	HEAL No.	×	.80	Pe	3	sb	A 8	m	Š	(Se	ပိ	ous	9			
Date	Time	Matrix	Sample Name	Type and #	Type	2112691	BTEX / MTBE	H	084	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> ,	8260 (VOA)	8270 (Semi-VOA)	otal	Cations/Anions	Fe, (			
12/8/21	1215	WATER	MW #2		HCI & cool	201	Ш		- 00	ш	<u>п</u>	12	0	80	80	-	0	山	+	+	+
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1f	necessary	samples subs	aitte d to Unit To	Jan Jan																	



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 01, 2021

Steve Moskal SIMCOE 1100 Main St. Durango, CO 81301

TEL: (505) 330-9179

FAX

RE: Sandoval GC A 1A OrderNo.: 2108C71

#### Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/24/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

#### **Analytical Report**

Lab Order **2108C71** 

Date Reported: 9/1/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: SVE (MW2)

 Project:
 Sandoval GC A 1A
 Collection Date: 8/20/2021 10:45:00 AM

 Lab ID:
 2108C71-001
 Matrix: AIR
 Received Date: 8/24/2021 7:00:00 AM

Result **RL Oual Units DF** Date Analyzed Analyses **Batch EPA METHOD 8260B: VOLATILES** Analyst: CCM Benzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Toluene ND 0.10 μg/L 8/24/2021 4:55:00 PM R80746 1 Ethylbenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Methyl tert-butyl ether (MTBE) ND 8/24/2021 4:55:00 PM R80746 0.10 μg/L 1 1,2,4-Trimethylbenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 1,3,5-Trimethylbenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 1,2-Dichloroethane (EDC) ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 1,2-Dibromoethane (EDB) ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Naphthalene ND 0.20 μg/L 8/24/2021 4:55:00 PM R80746 1-Methylnaphthalene ND 0.40 μg/L 1 8/24/2021 4:55:00 PM R80746 2-Methylnaphthalene ND 0.40 μg/L 1 8/24/2021 4:55:00 PM R80746 Acetone ND 1.0 μg/L 1 8/24/2021 4:55:00 PM R80746 Bromobenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Bromodichloromethane ND 0.10 µg/L 1 8/24/2021 4:55:00 PM R80746 ND 0.10 8/24/2021 4:55:00 PM R80746 Bromoform μg/L 1 **Bromomethane** ND 0.20 μg/L 1 8/24/2021 4:55:00 PM R80746 ND 2-Butanone 1.0 μg/L 8/24/2021 4:55:00 PM R80746 1 Carbon disulfide ND μg/L 8/24/2021 4:55:00 PM R80746 1.0 Carbon tetrachloride ND μg/L 1 8/24/2021 4:55:00 PM R80746 0.10 Chlorobenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 ND Chloroethane 0.20 µg/L 1 8/24/2021 4:55:00 PM R80746 Chloroform ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Chloromethane ND 0.10 µg/L 1 8/24/2021 4:55:00 PM R80746 2-Chlorotoluene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 4-Chlorotoluene ND 0.10 μg/L 8/24/2021 4:55:00 PM R80746 cis-1,2-DCE ND μg/L 1 8/24/2021 4:55:00 PM R80746 0.10 ND R80746 cis-1,3-Dichloropropene 0.10 μg/L 8/24/2021 4:55:00 PM ND 1,2-Dibromo-3-chloropropane 0.20 μg/L 1 8/24/2021 4:55:00 PM R80746 Dibromochloromethane ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Dibromomethane ND 0.20 μg/L 1 8/24/2021 4:55:00 PM R80746 1,2-Dichlorobenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 ND 1,3-Dichlorobenzene 0.10 µg/L 1 8/24/2021 4:55:00 PM R80746 1,4-Dichlorobenzene ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 Dichlorodifluoromethane ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 1.1-Dichloroethane ND 0.10 μg/L 1 8/24/2021 4:55:00 PM R80746 1,1-Dichloroethene ND 0.10 µg/L 1 8/24/2021 4:55:00 PM R80746 ND 1 8/24/2021 4:55:00 PM R80746 1,2-Dichloropropane 0.10 μg/L 1,3-Dichloropropane ND 0.10 8/24/2021 4:55:00 PM R80746 μg/L

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

0.10

ND

#### Qualifiers:

2,2-Dichloropropane

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range

μg/L

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 2

R80746

8/24/2021 4:55:00 PM

## **Analytical Report**

Lab Order **2108C71** 

Date Reported: 9/1/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: SVE (MW2)

 Project:
 Sandoval GC A 1A
 Collection Date: 8/20/2021 10:45:00 AM

 Lab ID:
 2108C71-001
 Matrix: AIR
 Received Date: 8/24/2021 7:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: CCM
1,1-Dichloropropene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
Hexachlorobutadiene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
2-Hexanone	ND	1.0	μg/L	1	8/24/2021 4:55:00 PM	R80746
Isopropylbenzene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
4-Isopropyltoluene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
4-Methyl-2-pentanone	ND	1.0	μg/L	1	8/24/2021 4:55:00 PM	R80746
Methylene chloride	ND	0.30	μg/L	1	8/24/2021 4:55:00 PM	R80746
n-Butylbenzene	ND	0.30	μg/L	1	8/24/2021 4:55:00 PM	R80746
n-Propylbenzene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
sec-Butylbenzene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
Styrene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
tert-Butylbenzene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,1,1,2-Tetrachloroethane	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,1,2,2-Tetrachloroethane	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
Tetrachloroethene (PCE)	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
trans-1,2-DCE	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
trans-1,3-Dichloropropene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,2,3-Trichlorobenzene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,2,4-Trichlorobenzene	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,1,1-Trichloroethane	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,1,2-Trichloroethane	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
Trichloroethene (TCE)	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
Trichlorofluoromethane	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
1,2,3-Trichloropropane	ND	0.20	μg/L	1	8/24/2021 4:55:00 PM	R80746
Vinyl chloride	ND	0.10	μg/L	1	8/24/2021 4:55:00 PM	R80746
Xylenes, Total	ND	0.15	μg/L	1	8/24/2021 4:55:00 PM	R80746
Surr: Dibromofluoromethane	84.9	70-130	%Rec	1	8/24/2021 4:55:00 PM	R80746
Surr: 1,2-Dichloroethane-d4	85.2	70-130	%Rec	1	8/24/2021 4:55:00 PM	R80746
Surr: Toluene-d8	98.1	70-130	%Rec	1	8/24/2021 4:55:00 PM	R80746
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	8/24/2021 4:55:00 PM	R80746

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2

#### ANALYTICAL SUMMARY REPORT

September 01, 2021

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: G21080482
Project Name: Not Indicated

Energy Laboratories Inc. Gillette WY received the following 1 sample for Hall Environmental on 8/27/2021 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Da	te Matrix	Test
G21080482-001	2108C71-001; SVE(MW2)	08/20/21 10:45 08/27/21	Gas	Natural Gas Analysis - BTU Natural Gas Analysis - Compressibility Factor Natural Gas Analysis - GPM Natural Gas Analysis - Molecular Weight Natural Gas Analysis - Routine Natural Gas Analysis - Pressure Base Natural Gas Analysis - Psuedo- Critical Pressure Natural Gas Analysis - Psuedo- Critical Temperature Natural Gas Analysis - Specific Gravity Natural Gas Analysis - Temperature Base

The analyses presented in this report were performed by Energy Laboratories, Inc., 400 W. Boxelder Rd., Gillette, WY 82718, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these tests results, please contact your Project Manager.

Report Approved By:

Date Received: 08/27/21



#### LABORATORY ANALYTICAL REPORT

Prepared by Gillette, WY Branch

Client: Hall Environmental

Project: Not Indicated Report Date: 09/01/21 Client Sample ID: 2108C71-001; SVE(MW2) Collection Date: 08/20/21 10:45

Location:

Lab ID: Sampled By: Not Provided G21080482-001

Analyses	Result Units	Qualifier Method	Analysis Date / By
NATURAL GAS CHROMATOGRAPHIC ANALYSIS REPORT			
Oxygen	22.272 Mol %	GPA 2261	08/31/21 14:28 / djb
Nitrogen	77.695 Mol %	GPA 2261	08/31/21 14:28 / djb
Carbon Dioxide	0.033 Mol %	GPA 2261	08/31/21 14:28 / djb
Hydrogen Sulfide	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
Methane	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
Ethane	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
Propane	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
Isobutane	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
n-Butane	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
Isopentane	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
n-Pentane	< 0.001 Mol %		08/31/21 14:28 / djb
Hexanes plus	< 0.001 Mol %	GPA 2261	08/31/21 14:28 / djb
GPM @ STD COND/1000 CU.FT., MOISTURE FREE GAS			
GPM Ethane	< 0.0003 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM Propane	< 0.0003 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM Isobutane	< 0.0003 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM n-Butane	< 0.0003 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM Isopentane	< 0.0004 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM n-Pentane	< 0.0004 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM Hexanes plus	< 0.0004 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM Pentanes plus	< 0.0004 gal/MCF	GPA 2261	08/31/21 14:28 / djb
GPM Total	< 0.0004 gal/MCF	GPA 2261	08/31/21 14:28 / djb
CALCULATED PROPERTIES			
Calculation Pressure Base	14.730 psia	GPA 2261	08/31/21 14:28 / djb
Calculation Temperature Base	60 °F	GPA 2261	08/31/21 14:28 / djb
Compressibility Factor, Z	1.0000 unitless	GPA 2261	08/31/21 14:28 / djb
Molecular Weight	28.91 unitless	GPA 2261	08/31/21 14:28 / djb
Pseudo-critical Pressure, psia	547 psia	GPA 2261	08/31/21 14:28 / djb
Pseudo-critical Temperature, deg R	239 deg R	GPA 2261	08/31/21 14:28 / djb
Specific Gravity (air=1.000)	1.001 unitless	GPA 2261	08/31/21 14:28 / djb
Gross BTU per cu ft @ std cond, dry	< 0.01 BTU/cu ft	GPA 2261	08/31/21 14:28 / djb
Gross BTU per cu ft @ std cond, wet	< 0.01 BTU/cu ft	GPA 2261	08/31/21 14:28 / djb

RL - Analyte Reporting Limit Report MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)



# **QA/QC Summary Report**

Prepared by Gillette, WY Branch

Work Order: G21080482 Client: Hall Environmental Report Date: 09/01/21

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD I	RPDLimit	Qual
Method: GPA 2261							Ana	lytical Run:	R266561
Lab ID: ICV-2108311251	Initial Calibrat	ion Verificati	on Standard					08/31	/21 12:52
Oxygen	0.386	Mol %	0.001	96	75	110			
Nitrogen	5.098	Mol %	0.001	102	90	110			
Carbon Dioxide	4.902	Mol %	0.001	99	90	110			
Hydrogen Sulfide	0.124	Mol %	0.001	125	100	136			
Methane	73.180	Mol %	0.001	100	90	110			
Ethane	5.011	Mol %	0.001	101	90	110			
Propane	5.019	Mol %	0.001	101	90	110			
Isobutane	2.001	Mol %	0.001	100	90	110			
n-Butane	1.982	Mol %	0.001	99	90	110			
Isopentane	0.990	Mol %	0.001	99	90	110			
n-Pentane	0.999	Mol %	0.001	100	90	110			
Hexanes plus	0.308	Mol %	0.001	102	90	110			
Lab ID: CCV-2108311301	Continuing Ca	alibration Ve	rification Standa	ard				08/31	/21 13:01
Oxygen	0.597	Mol %	0.001	99	90	110			
Nitrogen	1.272	Mol %	0.001	91	85	110			
Carbon Dioxide	0.951	Mol %	0.001	95	90	110			
Hydrogen Sulfide	0.031	Mol %	0.001	124	70	130			
Methane	93.565	Mol %	0.001	100	90	110			
Ethane	1.016	Mol %	0.001	102	90	110			
Propane	1.015	Mol %	0.001	101	90	110			
Isobutane	0.498	Mol %	0.001	99	90	110			
n-Butane	0.498	Mol %	0.001	99	90	110			
Isopentane	0.201	Mol %	0.001	100	90	110			
n-Pentane	0.201	Mol %	0.001	100	90	110			
Hexanes plus	0.155	Mol %	0.001	103	90	110			
Lab ID: CCV-2108311525	Continuing Ca	alibration Ve	rification Standa	ard				08/31	/21 15:26
Oxygen	0.614	Mol %	0.001	102	90	110			
Nitrogen	1.322	Mol %	0.001	94	85	110			
Carbon Dioxide	0.956	Mol %	0.001	96	90	110			
Hydrogen Sulfide	0.032	Mol %	0.001	128	70	130			
Methane	93.510	Mol %	0.001	100	90	110			
Ethane	1.013	Mol %	0.001	101	90	110			
Propane	1.012	Mol %	0.001	101	90	110			
Isobutane	0.494	Mol %	0.001	99	90	110			
n-Butane	0.494	Mol %	0.001	99	90	110			
Isopentane	0.199	Mol %	0.001	99	90	110			
n-Pentane Hexanes plus	0.200 0.154	Mol % Mol %	0.001 0.001	100 103	90 90	110 110			
Method: GPA 2261								Potob	R266561
	Committee Do. 11				Dum Mari	- 00 040004*			
<b>Lab ID: G21080482-001ADUP</b> Oxygen	Sample Dupli 22.270	cate Mol %	0.001		Kun: Varia	n GC_210831A	0.0	08/31 10	/21 14:32

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



# **QA/QC Summary Report**

Prepared by Gillette, WY Branch

Client: Hall Environmental Work Order: G21080482 Report Date: 09/01/21

Analyte		Result	Units	RL	%REC Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261							Batch:	R266561
Lab ID:	G21080482-001ADUP	Sample Dupli	cate		Run: Varia	n GC_210831A		08/31	/21 14:32
Nitrogen		77.697	Mol %	0.001			0.0	10	
Carbon Dic	oxide	0.033	Mol %	0.001			0.0	10	
Hydrogen S	Sulfide	< 0.001	Mol %	0.001				10	
Methane		< 0.001	Mol %	0.001				10	
Ethane		< 0.001	Mol %	0.001				10	
Propane		< 0.001	Mol %	0.001				10	
Isobutane		< 0.001	Mol %	0.001				10	
n-Butane		< 0.001	Mol %	0.001				10	
Isopentane	;	< 0.001	Mol %	0.001				10	
n-Pentane		< 0.001	Mol %	0.001				10	
Hexanes p	lus	< 0.001	Mol %	0.001				10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Billings, MT **800.735.4489** • Casper, WY **888.235.0515** Gillette, WY **866.686.7175** • Helena, MT **877.472.0711** 

# **Work Order Receipt Checklist**

## Hall Environmental

G21080482

Login completed by:	Chantel S. Johnson		Date	e Received: 8/27/2021						
Reviewed by:	by: Misty Stephens Received by: csj									
Reviewed Date:	8/31/2021		Ca	arrier name: FedEx						
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present						
Custody seals intact on all s	shipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Present						
Custody seals intact on all s	cample bottles?	Yes	No 🗌	Not Present ✓						
Chain of custody present?		Yes ✓	No 🗌							
Chain of custody signed wh	en relinquished and received?	Yes ✓	No 🗌							
Chain of custody agrees with	h sample labels?	Yes 🗸	No 🗌							
Samples in proper containe	r/bottle?	Yes 🗸	No 🗌							
Sample containers intact?		Yes ✓	No 🗌							
Sufficient sample volume for	r indicated test?	Yes 🗹	No 🗌							
All samples received within (Exclude analyses that are c such as pH, DO, Res Cl, S	considered field parameters	Yes ✓	No 🗌							
Temp Blank received in all	shipping container(s)/cooler(s)?	Yes	No 🗌	Not Applicable 🗹						
Container/Temp Blank temp	perature:	°C								
Containers requiring zero he bubble that is <6mm (1/4").	eadspace have no headspace or	Yes	No 🗌	No VOA vials submitted	$\checkmark$					
Water - pH acceptable upor	n receipt?	Yes	No 🗌	Not Applicable 🗹						
Standard Report	ing Procedures:									
	analytes considered field pa n and Residual Chlorine, ar									
	e reported on a wet weight by noted as –dry. For agriculample analysis.									
Radiochemical precis	sion results represent a 2-siç	gma Total Me	asurement U	ncertainty.						
Contact and Cor	rective Action Comme	ents:								
None										



# CHAIN OF CUSTODY RECORD PAGE 1 OF

Hali Environmentel Andiyas Laboretory 4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAN: 505-345-4107

Website: clients.hallenvironmental.com

ITEM CITY, STATE, ZIP: SUB CONTRATOR Energy Labs-Gillette ADDRESS: 2108C71-001A SVE (MW2) SAMPLE Gillette, WY 82718 400 W Boxelder Rd CLIENT SAMPLE ID COMPANY **Energy Laboratories** TEDLAR BOTTLE TYPE ₽ MATRIX 8/20/2021 10:45:00 AM COLLECTION D.ATE ACCOUNT# PHONE 1 Natural Gases CO2, O2 # CONTAINERS (866) 686-7175 ANALYTICAL COMMENTS EMAIL FAX

	_		0	REPORT TRANSMITTAL DESIRED:
Kennidamen p	8/24/2021	21 11:22 AM	DY PICTOR	(□ HARDCOPY (extra cost) □ FAX □ EMAIL □ ONLINE
Relinquished By:	Date	Time: Read Red		FOR LAB USE ONLY
Relinquished By:	Date	Time: Received By:	Date: Time:	Tamp of samples C Attempt to Cool 2
TAT:	Standard 🔀	RUSH Next BD	2nd RD : 3rd BD	Commons Custady Tape



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

Client Name: SIMCOE	Work Order N	lumber: 2108C71		RcptNo	o: 1
Received By: Cheyenne C	Cason 8/24/2021 7:00:	00 AM	Chul		
Completed By: Sean Living	ston 8/24/2021 11:2	1:08 AM	Chul SL.		
Reviewed By: SPA 8	24.21		JU!	751-	
Chain of Custody					
1. Is Chain of Custody complet	e?	Yes 🗸	No 🗌	Not Present	
2. How was the sample deliver	ed?	Courier			
<u>Log In</u>					
3. Was an attempt made to coo	of the samples?	Yes	No 🔲	NA 🗸	
4. Were all samples received at	t a temperature of >0° C to 6.0°C	Yes	No 🗌	NA 🗹	
5. Sample(s) in proper contained	er(s)?	Yes 🗸	No 🗌		
6. Sufficient sample volume for	indicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA an	d ONG) properly preserved?	Yes 🗸	No 🗌		
8. Was preservative added to be	ottles?	Yes	No 🗸	NA 🗌	
9. Received at least 1 vial with h	neadspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗸	
10. Were any sample containers	received broken?	Yes	No 🗸	# - 5	
44 = S				# of preserved bottles checked	
<ol> <li>Does paperwork match bottle (Note discrepancies on chain</li> </ol>		Yes 🗸	No 🗔	for pH:	or >12 unless noted)
12. Are matrices correctly identifi		Yes 🗸	No 🗌	Adjusted?	in yiz unless noted)
3. Is it clear what analyses were		Yes 🗸	No 🗌		.1.01
<ol> <li>Were all holding times able to (If no, notify customer for aut)</li> </ol>		Yes 🗸	No 🗌	Checked by:	KM 8/24/
Special Handling (if appli					/ /
15. Was client notified of all disc		Yes	No 🗌	NA 🗸	
Person Notified:	D	ate:	TO A STATE OF THE PARTY OF THE		
By Whom:	CONTRACTOR OF THE CONTRACTOR O		hone  Fax	In Person	
Regarding:	THE STATE OF THE S	THE RESIDENCE OF THE PROPERTY OF THE PARTY O		Commence of the second	
Client Instructions:	ACAMERA MINISTERIO DE CONTRESENTA MANORES DE RESPERSA DE RESPERSA ACTORISMO DE CARROLISMO DE CONTRESE		A CONTRACTOR OF THE PROPERTY O	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
16. Additional remarks:					
	Condition Seal Intact Seal N	o Seal Date	Signed By		

Relea.			stody Record	Turn-Around T	Time:		1 6			<b>I-</b> I	AL	L I	EN	VI	RC	N	ME	EN'	TΑ	L	Kecer
Client:	SIMCOE	LLC / CO	TTONWOOD CONSULTING	✓ Standard	Rush _										LA						vea t
to In				Project Name:											nenta						y o
Mailing A	ddress:	1199 Ma	in St., Suite # 101	SAN	DOVAL GC	A # 1A		490	01 H	awkii	ns NI	E - /	Albuc	uer	aue,	NM :	8710	19			D:
9		Durango	, Colo. 81301	Project #:						5-34					5-34						1/24
hone #:		(505) 33	0-9179	1								Name of Street	ES SALES		eque						101
email or F	ax#:	steven.n	noskal@ikavenergy.com	Project Manag	jer:	· · · · · · · · · · · · · · · · · · ·					T			T							L
ોA/QC Pa Stand			Level 4 (Full Validation)	Steve	e Moskal - SIN	ACOE LLC	TMB's (8021B)	only)	MRO)			(2)	00, 80,	/ 8082 PCR's		er - 300.1)				a)	10.47.55 (21/2
Accreditat		-		Sampler:	Emma Millar	- Cottonwood	s (80	+ TPH (Gas	RO/	1		8270SIIMIS)	6	2000		300.0 / water				sample	TATE
NELAF	)	□ Other		On Ice:	☐ Yes	& No	LWB	PH	0/0	118.	904	3270	2	6/0		0.00				e sa	2
□ EDD (1	Гуре)			Sample Tempe	erature: NA		+	+ +	(GRC	po	pol	or or	N N	cide	A) (A)	il - 30	kide		e	osit	(You
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8	Anions (F.CI.NO. NO. PO. SO.)	8081 Pecticides	8260B (VOA)	Chloride (soil	Carbon Dioxide	Oxygen	Grab sample	5 pt. composite	Air Bubbles (Y or N)
8/20/21	1045	AIR	SVE (MW2)	tedlar bag - 1	n/a	100					1		1		V	_	V	V	٧		
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-							$\Box$	7	$\dashv$	$\dashv$	+	+	+	+	+	+				+	-
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Data	Time	Della	d bus	Dessited to:		Date Time	D	1	rke		DEC	IV TO	11/02	L	DCV.	1					_
Date: 8/2岁/2(	Time: 1436	Relinquishe	ed by:	Received by:	1	Date Time 8/20/21 1430				Steve					PO to		orovi	ided	(0&	M)	1
Date: 8/23/21	Time: 1430	Relinquishe	ed by:	Received by: O	Waller	Date Time 8/23/z ( 1430															To 10 38n
8/23/21	If necessi	/ 12.	ubmitted to Hall Environmental may be s	. /		s. This serves as notice of	this po	ossibili	ty. An	y sub-c	ontrac	ted dat	a will b	e clea	rly nota	ated on	the ar	nalytica	il repo	t.	CC

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

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 74648

#### **CONDITIONS**

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	74648
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

#### CONDITIONS

Created By		Condition Date
michael.buchanan	Review of the 2021 Sandoval Gas Com A 001A: Content Satisfactory 1. Continue to conduct groundwater monitoring on a quarterly schedule as prescribed by NMOCD. 2. Consider options for further abatement and propose to OCD if necessary 3. Continue to submit reports annually by April 1, 2024.	1/19/2024