SIMCOE LLC

(formerly BPX Energy Inc.)

REVIEWED
By Mike Buchanan at 2:44 pm, Jan 23, 2024

Review of the 2020 Groundwater Remediation Report fro GCU #204E: **Content Satisfactory**
1. Continue to conduct quarterly sampling until eight (8) consecutive quarterly samples have been demonstrated below NM WQCC 20.2.3103 of the NMAC.
2. Continue to submit annual reports by April 1, 2024.

GROUNDWATER REMEDIATION REPORT

GCU # 204E
(I) SECTION 34, T28N, R12W, 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
GCU # 204E - Blow Pit
NE¼ SE¼, Sec. 34, T28N, R12W

Monitor Well Sampling Dates: **04/04/2021, 06/09/2021, 08/19/2021, 12/08/2021.**

Pit Closure & Background:

The well site is located in San Juan County and within the Navajo Agricultural Product Industry (NAPI) area approximately 10 miles southeast of Farmington, New Mexico. An on-site earthen blow pit closure was initiated in June 2003. Groundwater impacts were first identified from sampling and analytical testing of MW #2 in November 2006. After receipt of the laboratory results, the New Mexico Oil Conservation Division (**NMOCD**) was notified with a letter dated March 2, 2007 of the groundwater impacts. Documentation of this work and subsequent groundwater monitoring data for the site was previously submitted to NMOCD for review. Continued sampling and testing pursuant to the previous operator's (BP America Production Company) NMOCD approved Groundwater Management Plan (**GMP**) was suggested in the last report submitted. Reporting herein is for groundwater site monitor well testing conducted from 2019 through 2020.

Alternative Groundwater Remediation:

In April 2019, BP America submitted an initial Remedial Action Plan requesting the deployment of an oxygen release compound (ORC) in sock form to existing site monitor wells (see supplier's specification documents on following pages). This active remediation approach to enhance the aerobic biodegradation was initially implemented in June 2019 by inserting three (3) ORC socks within MW #3, two (2) within MW #4 as well as MW #5. On March 31, 2020, five (5) ORC socks were placed within MW #3 and three (3) within MW #4 as well as MW #5. After the June 2020 sampling event, the ORC socks were removed from MW #4 and one was transferred to MW #5. As of the last sampling in December 2020, four (4) ORC socks remain in MW #5 and five (5) within MW #3.

Groundwater Monitor Well Sampling Procedures:

Prior to groundwater sample collection, depth-to-water measurements were collected.
Prior to sample collection, approximately three wellbore volumes were purged from the sample well 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 for analysis of volatile organic compounds by US EPA Method 8260B. Cottonwood also collected field measurements of pH, conductivity, and temperature.
Fluids generated during the monitoring well purging were discarded into the tank located on the well site. The tank contents are disposed of through approved NMOCD operational procedures for removal of produced fluids.

Water Quality and Gradient Information:

The analytical results for MW #2R (source area) between June 2013 and August 2015 have documented nine (9) consecutive sampling events below the New Mexico Water Quality Control Commission (**NMWQCC**) allowable concentration levels for all BTEX constituents.

Since the introduction of the ORC socks within the lateral gradient MW #3, all BTEX constituents were reported as not detected (**ND**) at the laboratory reporting limits for the last four (4) consecutive sampling events.

Since September 2012, MW #4 has shown a significant reduction in benzene, ethylbenzene, and total xylenes. Between August 2013 and August 2014 as well as from June 2017 to June 2020, MW #4 has exhibited five (5) consecutive sampling events below the NMWQCC threshold for BTEX.

MW #5 continues to have elevated benzene and total xylenes concentrations exceeding NMWQCC standards. MW #5-SH BTEX levels were mostly ND during its sampling events between September 2011 and June 2013.

A historical summary of laboratory analytical results are included within the tables on the following pages. Field data sheets, laboratory reports, and laboratory quality assurance/quality control information are also included.

Summary and/or Recommendations:

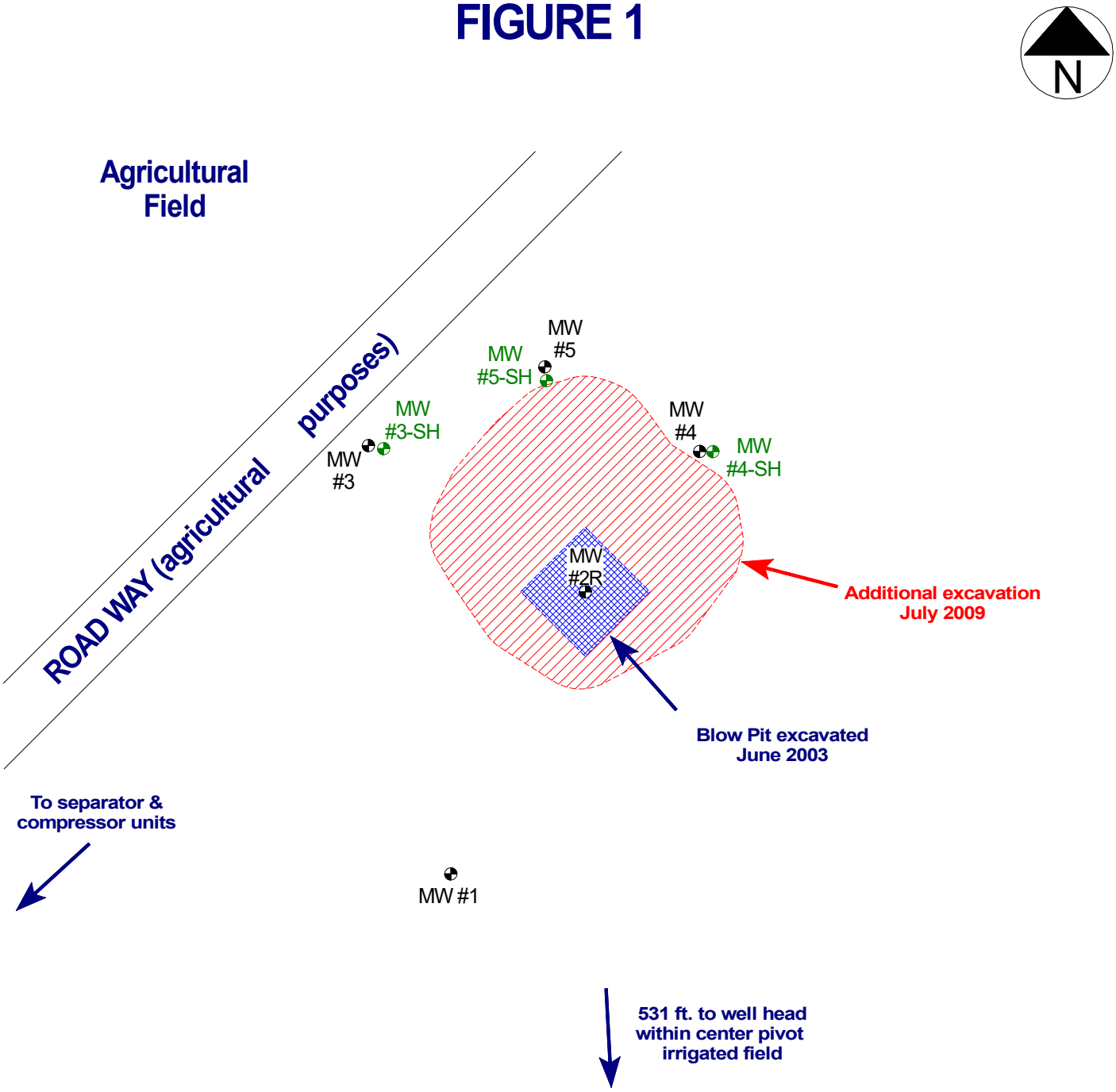
As stated in the previously submitted report, it appears that down gradient delineation has been achieved with the installation and testing of MW #6 and MW #7. Laboratory results from the down gradient installed MW #6 and MW #7 were all below the NMWQCC standards for BTEX and regulated general chemistry constituents except nitrate. Nitrate is used primarily for agricultural fertilization and most likely did not result from any BP operations since levels within the source and immediate down gradient areas met and were well below the acceptable limits for closure. The last report also recommended to discontinue sampling of MW #2R, MW #6, and MW #7.

Based on the laboratory BTEX results, it is recommended to discontinue sampling of MW #3 and MW #4.

The presence of BTEX above NMWQCC standards in MW #5 down gradient of the source area (MW #2R) suggest a continuance of monitoring and testing on an annual basis at a minimum. This site will continue to utilize and maintain site specific sampling frequency recommendations stated within the previous operator's NMOCD approved GMP.

Benzene was elevated above the New Mexico Water Quality Control Commission (NMWQCC) standard in MW #5 during all four sampling events conducted in 2021. Total xylenes were elevated above the NMWQCC standard in MW #5 during the June 9 and August 19, 2021 sampling events.
A groundwater sampling results table is included and the groundwater sampling laboratory reports from the 2021 groundwater sampling are included.

FIGURE 1



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 MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

0 30 60 FT.

SIMCOE LLC GCU #204E NE/4 SE/4 SEC. 34, T28N, R12W SAN JUAN COUNTY, NEW MEXICO	Cottonwood Consulting LLC P.O. Box 1653 Durango, Colorado 81303 (970) 764-7356	PROJECT: MW INSTALLATIONS DRAWN BY: NJV FILENAME: 12-30-20-SM.SKF REVISED: 12-30-20 NJV	SITE MAP 10/09

Cottonwood CONSULTING

Gallegos Canyon Unit #204E
Groundwater Sampling Results
Simcoe LLC

Sample ID	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity (umhos)	pH (Lab)	TDS (mg/L)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #1	01/30/07	18.57	27.00	1,100	7.33	584	ND	3.0	2.3	13
MW #2	11/14/06	16.69	27.50	1,400	6.80	924	**1,000**	**3,900**	**1,100**	**9,700**
MW #2	01/30/07	16.97	"	1,200	6.89	-	**900**	**1,600**	**1,400**	**12,000**
MW #2	04/25/07	16.37	"	1,000	6.78	-	**790**	**1,200**	**1,100**	**13,000**
MW #2	07/23/07	15.16	"	1,000	6.82	-	**940**	630	**1,800**	**12,000**
MW #2	06/26/08	14.36	"	700	7.34	-	**200**	410	**1,700**	**12,000**
MW #2	08/26/08	13.36	"	800	7.27	-	**160**	210	**1,400**	**11,000**
MW #2	05/19/09	14.60	"	800	7.32	-	**140**	83	**1,200**	**6,700**
MW #2	05/19/09 (duplicate)	"	"	"	"	-	**150**	68	**1,300**	**7,200**
MW #2R	11/16/09	15.61	22.65	900	7.71	-	**13**	ND	240	**1,900**
MW #2R	02/19/10	16.05	"	1,000	7.86	-	ND	ND	150	**1,300**
MW #2R	05/19/10	15.88	"	1,100	7.75	-	**11**	1.8	220	**1,800**
MW #2R	10/30/10	15.55	"	1,000	7.82	-	**6.3**	ND	86	410
MW #2R	02/16/11	16.50	"	1,000	7.76	-	**7.0**	ND	58	160
MW #2R	05/21/11	17.19	"	1,100	7.91	-	**15**	1.2	440	**1,800**
MW #2R	09/15/11	16.76	"	1,500	7.76	-	**9.8**	ND	180	**650**
MW #2R	11/28/11	16.84	"	1,400	7.74	-	**11**	ND	260	**1,000**
MW #2R	02/07/12	17.60	"	1,300	7.56	-	**13**	6.2	390	**2,000**
MW #2R	06/23/12	18.35	"	1,300	7.57	-	**17**	ND	460	**2,400**
MW #2R	09/24/12	17.94	"	1,100	7.39	-	**14**	ND	410	**2,000**
MW #2R	11/28/12	17.31	"	1,200	7.53	-	**12**	ND	350	**1,100**
MW #2R	02/26/13	17.07	"	1,200	7.29	-	**14**	ND	350	**2,000**
MW #2R	06/15/13	17.39	"	800	7.58	-	**11**	ND	260	**1,200**
MW #2R	08/26/13	16.24	"	800	7.70	-	3.3	ND	21	110
MW #2R	12/09/13	15.49	"	800	7.55	-	ND	ND	ND	ND
MW #2R	02/26/14	15.82	"	1,100	6.83	-	**6.9**	ND	74	330
MW #2R		16.20	"	900	7.56	-	**5.2**	ND	24	95
MW #2R	08/22/14	15.01	"	700	7.49	-	1.2	ND	5.0	24
MW #2R	11/20/14	15.78	"	700	7.71	-	4.4	ND	3.9	23
MW #2R	02/24/15	16.57	"	800	6.98	-	4.2	ND	43	110
MW #2R	05/20/15	16.46	"	800	7.14	-	3.5	ND	91	320
MW #2R	08/24/15	15.44	"	800	7.38	-	ND	ND	6.1	16
MW #3	01/30/07	13.92	25.00	1,000	7.00	620	**8.2**	ND	71	120
MW #3	04/25/07	11.81	"	900	6.91	-	**8.3**	ND	25	140
MW #3	07/23/07	11.89	"	1,000	6.74	-	**26**	ND	90	270
MW #3	10/25/07	10.37	"	1,100	7.00	-	2.4	ND	4.7	11
MW #3	04/14/08	11.43	"	700	6.99	-	**1,360**	14	116	381
MW #3	08/26/08	9.96	"	1,200	6.99	-	**520**	ND	64	140
MW #3	05/19/09	12.00	"	800	7.01	-	**350**	170	380	**700**
MW #3	11/16/09	13.21	"	800	7.18	-	**240**	**1,700**	600	**1,500**
MW #3	02/19/10	13.44	"	800	7.36	-	**96**	940	480	**1,100**
MW #3	05/19/10	13.45	"	1,000	7.19	-	**210**	**2,200**	680	**2,500**
MW #3	10/30/10	12.69	"	1,000	6.95	-	**350**	210	340	**1,100**
MW #3	02/16/11	13.94	"	1,000	7.05	-	**640**	780	**1,100**	**4,100**
MW #3	05/21/11	17.19	"	1,100	7.13	-	**260**	560	**790**	**2,900**
MW #3	09/15/11	13.27	"	1,300	7.31	-	**66**	8.2	16	81
MW #3	11/28/11	13.84	"	1,300	7.02	-	**190**	79	89	**780**
MW #3	02/07/12	14.73	"	1,400	6.90	-	**360**	460	**740**	**2,500**
MW #3	06/23/12	15.47	"	1,400	6.89	-	**250**	94	680	**3,500**
MW #3	09/24/12	14.32	"	1,200	6.77	-	**82**	ND	64	360
MW #3	11/28/12	14.63	"	1,200	6.97	-	**270**	18	**760**	**2,400**
MW #3	02/26/13	14.80	"	1,400	6.42	-	**260**	51	**790**	**3,600**
MW #3	06/15/13	14.87	"	900	6.86	-	**280**	240	690	**3,100**
MW #3	08/26/13	12.15	"	900	7.11	-	**93**	ND	39	**640**
MW #3	12/09/13	12.71	"	900	6.86	-	**270**	47	510	**2,500**
NMWQCC Groundwater Standard					6 - 9	1,000	5	1000	700	620

Cottonwood CONSULTING

Gallegos Canyon Unit #204E
Groundwater Sampling Results
Simcoe LLC

Sample ID	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity (umhos)	pH (Lab)	TDS (mg/L)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #3	02/26/14	13.22	25.00	1,200	6.68	-	**200**	5.1	410	**1,400**
MW #3	05/27/14	13.71	"	900	6.97	-	**210**	15	540	**2,900**
MW #3	08/22/14	11.37	"	700	7.32	-	ND	ND	ND	ND
MW #3	11/20/14	13.19	"	800	7.05	-	**340**	57	630	**3,800**
MW #3	02/24/15	14.02	"	900	6.80	-	**370**	41	**830**	**4,100**
MW #3	05/20/15	13.72	"	900	6.97	-	**230**	ND	520	**2,100**
MW #3	08/24/15	13.02	"	900	7.23	-	**210**	ND	570	**2,300**
MW #3	05/25/16	13.09	"	800	7.05	-	**87**	7.0	**850**	**5,000**
MW #3	06/27/17	13.20	"	800	7.37	-	**590**	3.6	220	**1,400**
MW #3	06/25/18	15.19	"	800	7.01	-	**30**	ND	**1,100**	**7,500**
MW #3	06/26/19	15.52	"	800	7.21	-	**25**	ND	370	**2,300**
MW #3	03/24/20	20.44	"	900	6.94	-	ND	ND	ND	ND
MW #3	06/04/20	21.43	"	900	11.94	-	ND	ND	ND	ND
MW #3	09/05/20	17.11	"	800	7.41	-	ND	ND	ND	ND
MW #3	12/21/20	20.16	"	1,000	7.31	-	ND	ND	ND	ND
MW #3-SH	09/15/11	14.15	17.50	1,400	7.34	-	**57**	11	380	**1,600**
MW #3-SH	11/28/11	14.63	"	1,300	7.21	-	**110**	29	550	**1,800**
MW #3-SH	02/07/12	15.44	"	1,500	7.16	-	**160**	87	**760**	**2,500**
MW #3-SH	09/24/12	15.15	"	1,100	6.96	-	**70**	30	110	**1,900**
MW #3-SH	02/26/13	15.51	"	1,200	6.71	-	**140**	130	**940**	**4,100**
MW #3-SH	06/15/13	15.58	"	800	7.05	-	**110**	ND	**1,400**	**7,300**
MW #4	11/16/09	15.66	21.94	1,600	7.10	**2,010**	**2,200**	14	140	**950**
MW #4	02/19/10	15.82	"	2,000	7.02	-	**5,800**	14	500	**1,800**
MW #4	05/19/10	15.78	"	2,700	6.85	-	**5,200**	42	470	**1,500**
MW #4	10/30/10	15.47	"	1,900	6.73	-	**6,500**	63	600	**1,500**
MW #4	02/16/11	16.34	"	1,700	6.76	-	**6,900**	ND	**840**	**2,000**
MW #4	05/21/11	17.04	"	2,000	6.90	-	**6,300**	ND	**880**	**1,900**
MW #4	09/15/11	16.59	"	2,100	6.83	-	**4,900**	ND	650	**2,000**
MW #4	11/28/11	16.59	"	2,000	6.90	-	**2,400**	ND	550	**1,300**
MW #4	02/07/12	17.23	"	2,300	6.78	-	**2,000**	ND	500	**780**
MW #4	06/23/12	17.98	"	2,200	6.88	-	**1,400**	ND	290	530
MW #4	09/24/12	16.70	"	1,300	6.87	-	**170**	ND	ND	ND
MW #4	11/28/12	16.61	"	1,400	7.21	-	**410**	ND	3.8	13
MW #4	02/26/13	16.73	"	1,400	7.01	-	**23**	ND	ND	3.0
MW #4	06/15/13	17.02	"	900	7.28	-	**14**	1.7	2.3	10
MW #4	08/26/13	15.55	"	1,000	7.47	-	**8.0**	ND	ND	ND
MW #4	12/09/13	15.08	"	900	7.31	-	2.3	ND	ND	ND
MW #4	02/26/14	15.37	"	1,200	6.86	-	**9.0**	ND	1.1	3.4
MW #4	05/27/14	15.75	"	1,000	7.26	-	1.1	ND	ND	ND
MW #4	08/22/14	14.59	"	700	7.30	-	1.2	ND	ND	ND
MW #4	11/20/14	15.09	"	900	7.35	-	**230**	ND	1.9	17
MW #4	02/24/15	16.23	"	1,300	6.78	-	**33**	ND	ND	3.7
MW #4	05/20/15	16.10	"	1,100	6.98	-	**38**	ND	ND	ND
MW #4	08/24/15	15.68	"	1,100	7.28	-	1.9	ND	ND	ND
MW #4	05/25/16	15.51	"	1,400	6.90	-	**14**	ND	ND	ND
MW #4	06/27/17	15.61	"	1,600	7.13	-	1.4	ND	ND	ND
MW #4	06/25/18	17.56	"	1,300	6.83	-	3.7	ND	ND	1.7
MW #4	06/26/19	17.89	"	900	7.11	-	2.1	2.4	ND	3.6
MW #4	03/24/20	18.95	"	1,000	7.01	-	ND	ND	ND	ND
MW #4	06/04/20	19.41	"	800	7.95	-	**6.9**	ND	5.4	16
MW #4-SH	09/15/11	16.56	17.50	2,800	7.11	-	**830**	ND	ND	78
MW #4-SH	11/28/11	16.56	"	2,800	7.01	-	**500**	ND	ND	ND
NMWQCC Groundwater Standard					6 - 9	1,000	5	1000	700	620

Cottonwood CONSULTING

Gallegos Canyon Unit #204E
Groundwater Sampling Results
Simcoe LLC

Sample ID	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity (umhos)	pH (Lab)	TDS (mg/L)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #5	11/16/09	13.77	21.78	1,300	7.01	**1,090**	**1,100**	200	430	**2,800**
MW #5	02/19/10	13.84	"	1,900	6.99	-	**790**	100	370	**2,600**
MW #5	05/19/10	13.94	"	2,600	6.82	-	**1,200**	180	370	**2,600**
MW #5	10/30/10	13.32	"	1,300	6.88	-	**380**	140	450	**2,200**
MW #5	02/16/11	14.39	"	1,300	6.97	-	**930**	270	650	**3,200**
MW #5	05/21/11	15.06	"	1,400	7.09	-	**620**	110	380	**1,900**
MW #5	09/15/11	14.08	"	1,600	7.20	-	**81**	16	300	**1,200**
MW #5	11/28/11	14.36	"	1,500	7.16	-	**110**	39	240	**760**
MW #5	02/07/12	15.11	"	1,500	6.99	-	**240**	36	230	**850**
MW #5	06/23/12	15.98	"	1,700	6.99	-	**1,200**	290	580	**3,200**
MW #5	09/24/12	14.63	"	1,300	6.97	-	**700**	17	340	**1,100**
MW #5	11/28/12	14.85	"	1,400	7.05	-	**840**	36	370	**1,100**
MW #5	02/26/13	15.11	"	1,600	6.62	-	**750**	58	230	**1,600**
MW #5	06/15/13	15.28	"	1,100	7.03	-	**480**	33	150	**1,200**
MW #5	08/26/13	13.07	"	1,000	7.27	-	**240**	110	130	**990**
MW #5	12/09/13	13.14	"	900	7.14	-	**670**	48	200	**1,500**
MW #5	02/26/14	13.61	"	1,400	6.86	-	**1,000**	35	240	**1,800**
MW #5	05/27/14	14.11	"	1,200	7.02	-	**930**	43	260	**2,000**
MW #5	08/22/14	12.27	"	800	7.01	-	**200**	67	130	**1,300**
MW #5	11/20/14	13.79	"	900	7.17	-	**77**	ND	50	470
MW #5	02/24/15	14.46	"	1,200	6.89	-	**420**	26	160	**1,000**
MW #5	05/20/15	15.31	"	1,300	6.83	-	**280**	10	100	**790**
MW #5	08/24/15	13.93	"	1,100	7.19	-	**170**	25	110	**1,000**
MW #5	05/25/16	13.98	"	1,000	6.89	-	**42**	19	72	570
MW #5	06/27/17	13.69	"	1,100	7.26	-	**28**	ND	700	**4,400**
MW #5	06/25/18	15.81	"	1,000	7.05	-	**2,100**	ND	660	**3,400**
MW #5	06/26/19	15.97	"	900	7.26	-	**720**	ND	240	**1,200**
MW #5	03/24/20	18.60	"	1,100	7.03	-	**520**	ND	570	**3,100**
MW #5	06/04/20	17.16	"	1,100	7.03	-	**85**	ND	55	230
MW #5	09/05/20	16.53	"	1,000	7.02	-	**970**	ND	600	**2,600**
MW #5	12/21/20	16.62	"	1,100	7.23	-	**190**	ND	190	260
MW #5	03/04/21	-	"	-	-	-	**79**	ND	75	140
MW #5	06/09/21	-	"	-	-	-	**480**	ND	470	**1,900**
MW #5	08/19/21	16.51	"	1,607	7.56	-	**290**	ND	300	**1,600**
MW #5	12/08/21	16.99	"	1,360	7.03	-	**200**	ND	190	610
MW #5-SH	09/15/11	14.01	16.50	3,000	8.36	-	ND	ND	ND	ND
MW #5-SH	11/28/11	13.96	"	2,800	8.22	-	ND	ND	ND	ND
MW #5-SH	02/26/13	14.79	"	2,500	7.68	-	ND	ND	ND	ND
MW #5-SH	06/15/13	14.99	"	2,000	7.52	-	2.8	ND	ND	ND
MW #6	09/15/11	15.09	23.00	1,500	7.77	-	ND	ND	ND	ND
MW #6	11/28/11	14.98	"	1,500	7.77	-	ND	ND	ND	ND
MW #6	02/07/12	15.58	"	1,600	7.50	-	ND	ND	ND	ND
MW #6	06/23/12	16.24	"	1,500	7.52	-	ND	ND	ND	2.4
MW #6	09/24/12	15.10	"	1,200	7.43	-	ND	ND	ND	ND
MW #6	11/28/12	14.99	"	1,300	7.63	-	ND	ND	ND	ND
MW #7	03/26/12	11.23	19.22	1,500	7.19	-	**5.3**	ND	ND	ND
MW #7	06/23/12	11.84	"	1,400	7.41	-	2.0	ND	ND	ND
MW #7	09/24/12	9.96	"	1,200	7.37	-	2.1	ND	ND	2.2
MW #7	11/28/12	10.60	"	1,500	7.52	-	ND	ND	ND	ND
NMWQCC Groundwater Standard					6 - 9	1,000	5	1000	700	620

Released to Imaging: 1/23/2024 2:48:51 PM
Received by OCD: 1/21/2022 2:49:51 PM

Cottonwood CONSULTING

Gallegos Canyon Unit #204E
Groundwater Sampling Results
Simcoe LLC

Sample ID	Sample Date	Depth to Water (feet)	Well Depth (feet)	Conductivity (umhos)	Temp. (°C)	pH	Fluoride (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Nitrate-Nitrite as N (mg/L)	TDS (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
MW #1	05/20/15	10.47	18.00	2,400	12.3	7.07	**1.9**	61	**960**	ND	**1,760**	ND	ND	ND	ND
MW #2	01/28/15	10.21	18.60	NA	14.9	7.65	1.5	120	**1,400**	ND	**2,950**	ND	ND	7.9	2.8
MW #3	01/28/15	9.34	20.00	NA	15.2	7.98	1.3	65	**1,000**	ND	**1,990**	ND	ND	ND	ND
MW #4	01/28/15	8.88	18.75	NA	14.2	8.29	**2.0**	61	**640**	ND	**1,760**	**13**	ND	23	10
MW #5	02/12/15	11.47	17.52	2,500	15.6	8.11	**3.5**	87	**650**	ND	**1,860**	3.1	ND	4.0	ND
NMWQCC Groundwater Standard						6 - 9	1.6	250.0	600.0	10.0	1,000	5	1000	700	620

Notes:
TDS - Total Dissolved Solids
ft - feet
mg/L - milligrams per liter
umhos - microhms
ug/L - micrograms per liter
ppb - parts per billion
"-" - Indicates no data
°C - degrees Celsius
NA - Not Applicable
ND - Not Detected
N - Nitrogen
NMWQCC - New Mexico Water Quality Control Commission
Depth to water measured from top of well casing
Bold values exceed NMWQCC Standard

LABORATORY

REPORTS

HALL ENVIRONMENTAL ANALYSIS 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: GCU 204E OrderNo.: 2103378

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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2103378**
Date Reported: **3/17/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW 5
Project: GCU 204E **Collection Date:** 3/4/2021 10:50:00 AM
Lab ID: 2103378-001 **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	79	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Toluene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Ethylbenzene	75	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2,4-Trimethylbenzene	24	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,3,5-Trimethylbenzene	4.9	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Naphthalene	5.9	2.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1-Methylnaphthalene	ND	4.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
2-Methylnaphthalene	ND	4.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Acetone	ND	10		µg/L	1	3/16/2021 4:38:26 PM	A75990
Bromobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Bromodichloromethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Bromoform	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Bromomethane	ND	3.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
2-Butanone	ND	10		µg/L	1	3/16/2021 4:38:26 PM	A75990
Carbon disulfide	ND	10		µg/L	1	3/16/2021 4:38:26 PM	A75990
Carbon Tetrachloride	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Chlorobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Chloroethane	ND	2.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Chloroform	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Chloromethane	ND	3.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
2-Chlorotoluene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
4-Chlorotoluene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
cis-1,2-DCE	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Dibromochloromethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Dibromomethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,1-Dichloroethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,1-Dichloroethene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2-Dichloropropane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,3-Dichloropropane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
2,2-Dichloropropane	ND	2.0		µg/L	1	3/16/2021 4:38:26 PM	A75990

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

Qualifiers:

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

Analytical Report
Lab Order **2103378**
Date Reported: **3/17/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW 5
Project: GCU 204E **Collection Date:** 3/4/2021 10:50:00 AM
Lab ID: 2103378-001 **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	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Hexachlorobutadiene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
2-Hexanone	ND	10		µg/L	1	3/16/2021 4:38:26 PM	A75990
Isopropylbenzene	9.3	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
4-Isopropyltoluene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
4-Methyl-2-pentanone	ND	10		µg/L	1	3/16/2021 4:38:26 PM	A75990
Methylene Chloride	ND	3.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
n-Butylbenzene	ND	3.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
n-Propylbenzene	7.0	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
sec-Butylbenzene	1.1	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Styrene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
tert-Butylbenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
trans-1,2-DCE	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Trichlorofluoromethane	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Vinyl chloride	ND	1.0		µg/L	1	3/16/2021 4:38:26 PM	A75990
Xylenes, Total	140	1.5		µg/L	1	3/16/2021 4:38:26 PM	A75990
Surr: 1,2-Dichloroethane-d4	87.6	70-130		%Rec	1	3/16/2021 4:38:26 PM	A75990
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	3/16/2021 4:38:26 PM	A75990
Surr: Dibromofluoromethane	90.2	70-130		%Rec	1	3/16/2021 4:38:26 PM	A75990
Surr: Toluene-d8	102	70-130		%Rec	1	3/16/2021 4:38:26 PM	A75990

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2103378**

17-Mar-21

Client: SIMCOE

Project: GCU 204E

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A75948**	RunNo: **75948**
Prep Date:	Analysis Date: **3/15/2021**	SeqNo: **2687603** 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		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: **%Rec**

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

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **A75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/16/2021**	SeqNo: **2689481** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	88.4	70	130			
Toluene	19	1.0	20.00	0	93.5	70	130			
Chlorobenzene	19	1.0	20.00	0	95.3	70	130			
1,1-Dichloroethene	16	1.0	20.00	0	80.4	70	130			
Trichloroethene (TCE)	15	1.0	20.00	0	77.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.9	70	130			
Surr: 4-Bromofluorobenzene	9.3		10.00		92.6	70	130			
Surr: Dibromofluoromethane	9.2		10.00		91.8	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: **mb1**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/16/2021**	SeqNo: **2689482** 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								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2103378**
17-Mar-21

Client: SIMCOE
Project: GCU 204E

Sample ID: **mb1** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **A75990** RunNo: **75990**
Prep Date: Analysis Date: **3/16/2021** SeqNo: **2689482** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2103378**

17-Mar-21

Client: SIMCOE

Project: GCU 204E

Sample ID: **mb1**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/16/2021**	SeqNo: **2689482** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.8	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	9.2		10.00		92.4	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Sample ID: **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/17/2021**	SeqNo: **2689483** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.1	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.6	70	130			
Surr: Dibromofluoromethane	9.4		10.00		93.5	70	130			
Surr: Toluene-d8	10		10.00		99.9	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2103378**

17-Mar-21

Client: SIMCOE

Project: GCU 204E

Sample ID: **mb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/17/2021**	SeqNo: **2689484** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		99.9	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		96.9	70	130			
Surr: Dibromofluoromethane	9.4		10.00		93.8	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: **2103431-005a ms**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **B75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/17/2021**	SeqNo: **2689503** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.0	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	70	130			
Surr: Dibromofluoromethane	8.6		10.00		86.0	70	130			
Surr: Toluene-d8	10		10.00		100	70	130			

Sample ID: **2103431-005a msd**	SampType: **MSD**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **B75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/17/2021**	SeqNo: **2689504** 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		99.3	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.9		10.00		99.2	70	130	0	0	
Surr: Dibromofluoromethane	8.5		10.00		84.7	70	130	0	0	
Surr: Toluene-d8	9.7		10.00		97.1	70	130	0	0	

Sample ID: **2103558-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC**	Batch ID: **A75990**	RunNo: **75990**
Prep Date:	Analysis Date: **3/16/2021**	SeqNo: **2689507** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	110	5.0	100.0	21.61	91.5	70	130			
Toluene	130	5.0	100.0	35.91	90.6	70	130			
Chlorobenzene	94	5.0	100.0	0	94.4	70	130			
1,1-Dichloroethene	81	5.0	100.0	0	80.8	70	130			
Trichloroethene (TCE)	77	5.0	100.0	0	77.2	70	130			
Surr: 1,2-Dichloroethane-d4	45		50.00		89.8	70	130			
Surr: 4-Bromofluorobenzene	49		50.00		98.4	70	130			
Surr: Dibromofluoromethane	46		50.00		91.2	70	130			
Surr: Toluene-d8	50		50.00		99.7	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2103378**
17-Mar-21

Client: SIMCOE
Project: GCU 204E

Sample ID: **2103558-001amsd** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **BatchQC** Batch ID: **A75990** RunNo: **75990**
Prep Date: Analysis Date: **3/16/2021** SeqNo: **2689508** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	110	5.0	100.0	21.61	92.4	70	130	0.822	20	
Toluene	130	5.0	100.0	35.91	91.4	70	130	0.622	20	
Chlorobenzene	92	5.0	100.0	0	92.0	70	130	2.50	20	
1,1-Dichloroethene	81	5.0	100.0	0	80.6	70	130	0.245	20	
Trichloroethene (TCE)	78	5.0	100.0	0	77.6	70	130	0.459	20	
Surr: 1,2-Dichloroethane-d4	49		50.00		99.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	47		50.00		94.0	70	130	0	0	
Surr: Dibromofluoromethane	47		50.00		94.1	70	130	0	0	
Surr: Toluene-d8	50		50.00		99.4	70	130	0	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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: **2103378** RcptNo: **1**

Received By: **Juan Rojas** **3/6/2021 8:55:00 AM**

Completed By: **Desiree Dominguez** **3/8/2021 8:20:04 AM**

Reviewed By: JR 3/8/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature 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) 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 ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

10 3/8/21

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good				

Released to Imaging: 1/23/2024 2:48:51 PM

Received by OCD: 1/21/2022 2:49:51 PM

Chain-of-Custody Record

Client: SIMCOE LLC
Bill to IKAV Energy
Mailing Address: 1199 Main St Ste 101
Durango CO 81301
Phone #: 505 330 9179
email or Fax#: smoskal@IKAVEnergy.com
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: GCU 204E
Project #: TBD
Project Manager: Steve Moskal
Sampler:
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 0.4-0.1=0.2 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2103378	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
3/4/21	1050	GW	MW5	40mL x3	Ice/HCl	-001								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
3/5/21	10:35		Christine Walker		3/5/21	1035
3/5/21	1845	Christine Walker		courier	3/6/21	815

Remarks:

If necessary, 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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 22, 2021

Steve Moskal
SIMCOE
1100 Main St.
Durango, CO 81301
TEL: (505) 330-9179
FAX:

RE: Gallegos Canyon Unit 204E OrderNo.: 2106554

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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2106554**
Date Reported: **6/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW-5
Project: Gallegos Canyon Unit 204E **Collection Date:** 6/9/2021 3:30:00 PM
Lab ID: 2106554-001 **Matrix:** GROUNDWA **Received Date:** 6/10/2021 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
Benzene	480	10		µg/L	10	6/16/2021 3:54:52 PM
Toluene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Ethylbenzene	470	10		µg/L	10	6/16/2021 3:54:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2,4-Trimethylbenzene	220	10		µg/L	10	6/16/2021 3:54:52 PM
1,3,5-Trimethylbenzene	70	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Naphthalene	56	2.0		µg/L	1	6/15/2021 9:55:27 PM
1-Methylnaphthalene	22	4.0		µg/L	1	6/15/2021 9:55:27 PM
2-Methylnaphthalene	25	4.0		µg/L	1	6/15/2021 9:55:27 PM
Acetone	ND	10		µg/L	1	6/15/2021 9:55:27 PM
Bromobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Bromoform	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Bromomethane	ND	3.0		µg/L	1	6/15/2021 9:55:27 PM
2-Butanone	ND	10		µg/L	1	6/15/2021 9:55:27 PM
Carbon disulfide	ND	10		µg/L	1	6/15/2021 9:55:27 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Chlorobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Chloroethane	ND	2.0		µg/L	1	6/15/2021 9:55:27 PM
Chloroform	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Chloromethane	ND	3.0		µg/L	1	6/15/2021 9:55:27 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/15/2021 9:55:27 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Dibromomethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/15/2021 9:55:27 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2106554**
Date Reported: **6/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW-5
Project: Gallegos Canyon Unit 204E **Collection Date:** 6/9/2021 3:30:00 PM
Lab ID: 2106554-001 **Matrix:** GROUNDWA **Received Date:** 6/10/2021 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JMR**
1,1-Dichloropropene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
2-Hexanone	ND	10		µg/L	1	6/15/2021 9:55:27 PM
Isopropylbenzene	39	1.0		µg/L	1	6/15/2021 9:55:27 PM
4-Isopropyltoluene	2.3	1.0		µg/L	1	6/15/2021 9:55:27 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/15/2021 9:55:27 PM
Methylene Chloride	ND	3.0		µg/L	1	6/15/2021 9:55:27 PM
n-Butylbenzene	ND	3.0		µg/L	1	6/15/2021 9:55:27 PM
n-Propylbenzene	37	1.0		µg/L	1	6/15/2021 9:55:27 PM
sec-Butylbenzene	4.0	1.0		µg/L	1	6/15/2021 9:55:27 PM
Styrene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
tert-Butylbenzene	1.4	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/15/2021 9:55:27 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/15/2021 9:55:27 PM
Vinyl chloride	ND	1.0		µg/L	1	6/15/2021 9:55:27 PM
Xylenes, Total	1900	30		µg/L	20	6/17/2021 4:04:57 PM
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	6/15/2021 9:55:27 PM
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	6/15/2021 9:55:27 PM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/15/2021 9:55:27 PM
Surr: Toluene-d8	91.9	70-130		%Rec	1	6/15/2021 9:55:27 PM

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106554**
22-Jun-21

Client: SIMCOE
Project: Gallegos Canyon Unit 204E

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **A79107** RunNo: **79107**
Prep Date: Analysis Date: **6/15/2021** SeqNo: **2776718** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	21	1.0	20.00	0	106	70	130			
Chlorobenzene	20	1.0	20.00	0	101	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	112	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	107	70	130			
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: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **A79107** RunNo: **79107**
Prep Date: Analysis Date: **6/15/2021** SeqNo: **2776719** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Methyl tert-butyl ether (MTBE)	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								
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								

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106554**
22-Jun-21

Client: SIMCOE
Project: Gallegos Canyon Unit 204E

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A79107**	RunNo: **79107**
Prep Date:	Analysis Date: **6/15/2021**	SeqNo: **2776719** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
Vinyl chloride	ND	1.0								
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			

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106554**
22-Jun-21

Client: SIMCOE
Project: Gallegos Canyon Unit 204E

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**							
Client ID: **PBW**	Batch ID: **A79107**	RunNo: **79107**							
Prep Date:	Analysis Date: **6/15/2021**	SeqNo: **2776719**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Toluene-d8	10		10.00		102	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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: **2106554** RcptNo: **1**

Received By: **Juan Rojas** **6/10/2021 7:05:00 AM**

Completed By: **Cheyenne Cason** **6/10/2021 8:21:17 AM**

Reviewed By: JR 6/10/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature 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) 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 ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: KPG 6/10/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Yes			

Released to Imaging: 1/23/2024 2:48:51 PM
Received by OCD: 1/21/2022 2:49:51 PM

Chain-of-Custody Record

Client: Simcoe LLC

Mailing Address: 1199 Main St. Ste 101
Durango CO 81301

Phone #: 505-330-9179

email or Fax#: steven.mostal@IKAVEnergy.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ **Rush**

Project Name: Gallegos Canyon Unit 204E

Project #: TBD

Project Manager: Steve Mostal

Sampler: " "

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.1-0.1=2.0 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2106554	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/9/21	1530	GW	MW-5	VOA x3	HCl/Ice	001								X		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/9/21	1605		Christa Waele		6/9/21	1605
6/9/21	1902	Christa Waele		courier	6/10/21	7:05

Remarks:

If necessary, 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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

August 30, 2021

Steve Moskal
SIMCOE
1100 Main St.
Durango, CO 81301
TEL: (505) 330-9179
FAX

RE: GCU 204E OrderNo.: 2108B47

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/20/2021 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
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2108B47**
Date Reported: **8/30/2021**

CLIENT: SIMCOE **Client Sample ID:** MW #5
Project: GCU 204E **Collection Date:** 8/19/2021 10:21:00 AM
Lab ID: 2108B47-001 **Matrix:** AQUEOUS **Received Date:** 8/20/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**
Benzene	290	20		µg/L	20	8/27/2021 1:37:00 PM
Toluene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Ethylbenzene	300	20		µg/L	20	8/27/2021 1:37:00 PM
Methyl tert-butyl ether (MTBE)	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2,4-Trimethylbenzene	190	20		µg/L	20	8/27/2021 1:37:00 PM
1,3,5-Trimethylbenzene	110	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Naphthalene	92	4.0		µg/L	2	8/26/2021 4:54:00 PM
1-Methylnaphthalene	28	8.0		µg/L	2	8/26/2021 4:54:00 PM
2-Methylnaphthalene	35	8.0		µg/L	2	8/26/2021 4:54:00 PM
Acetone	ND	20		µg/L	2	8/26/2021 4:54:00 PM
Bromobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Bromodichloromethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Bromoform	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Bromomethane	ND	6.0		µg/L	2	8/26/2021 4:54:00 PM
2-Butanone	ND	20		µg/L	2	8/26/2021 4:54:00 PM
Carbon disulfide	ND	20		µg/L	2	8/26/2021 4:54:00 PM
Carbon Tetrachloride	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Chlorobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Chloroethane	ND	4.0		µg/L	2	8/26/2021 4:54:00 PM
Chloroform	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Chloromethane	ND	6.0		µg/L	2	8/26/2021 4:54:00 PM
2-Chlorotoluene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
4-Chlorotoluene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
cis-1,2-DCE	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	8/26/2021 4:54:00 PM
Dibromochloromethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Dibromomethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Dichlorodifluoromethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,1-Dichloroethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,1-Dichloroethene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2-Dichloropropane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,3-Dichloropropane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
2,2-Dichloropropane	ND	4.0		µg/L	2	8/26/2021 4:54:00 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2108B47**
Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW #5
Project: GCU 204E **Collection Date:** 8/19/2021 10:21:00 AM
Lab ID: 2108B47-001 **Matrix:** AQUEOUS **Received Date:** 8/20/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**
1,1-Dichloropropene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Hexachlorobutadiene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
2-Hexanone	ND	20		µg/L	2	8/26/2021 4:54:00 PM
Isopropylbenzene	33	2.0		µg/L	2	8/26/2021 4:54:00 PM
4-Isopropyltoluene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
4-Methyl-2-pentanone	ND	20		µg/L	2	8/26/2021 4:54:00 PM
Methylene Chloride	ND	6.0		µg/L	2	8/26/2021 4:54:00 PM
n-Butylbenzene	ND	6.0		µg/L	2	8/26/2021 4:54:00 PM
n-Propylbenzene	34	2.0		µg/L	2	8/26/2021 4:54:00 PM
sec-Butylbenzene	2.9	2.0		µg/L	2	8/26/2021 4:54:00 PM
Styrene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
tert-Butylbenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,1,2,2-Tetrachloroethane	ND	4.0		µg/L	2	8/26/2021 4:54:00 PM
Tetrachloroethene (PCE)	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
trans-1,2-DCE	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Trichloroethene (TCE)	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Trichlorofluoromethane	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
1,2,3-Trichloropropane	ND	4.0		µg/L	2	8/26/2021 4:54:00 PM
Vinyl chloride	ND	2.0		µg/L	2	8/26/2021 4:54:00 PM
Xylenes, Total	1600	30		µg/L	20	8/27/2021 1:37:00 PM
Surr: 1,2-Dichloroethane-d4	78.3	70-130		%Rec	2	8/26/2021 4:54:00 PM
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	2	8/26/2021 4:54:00 PM
Surr: Dibromofluoromethane	80.7	70-130		%Rec	2	8/26/2021 4:54:00 PM
Surr: Toluene-d8	100	70-130		%Rec	2	8/26/2021 4:54:00 PM

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B47**
30-Aug-21

Client: SIMCOE
Project: GCU 204E

Sample ID: **100ng 8260 lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R80817** RunNo: **80817**
Prep Date: Analysis Date: **8/26/2021** SeqNo: **2852994** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	20	1.0	20.00	0	98.5	70	130			
Chlorobenzene	19	1.0	20.00	0	95.3	70	130			
1,1-Dichloroethene	17	1.0	20.00	0	82.5	70	130			
Trichloroethene (TCE)	17	1.0	20.00	0	85.6	70	130			
Surr: 1,2-Dichloroethane-d4	8.4		10.00		83.7	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.7	70	130			
Surr: Dibromofluoromethane	8.2		10.00		81.7	70	130			
Surr: Toluene-d8	9.8		10.00		97.5	70	130			

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW** Batch ID: **R80817** RunNo: **80817**
Prep Date: Analysis Date: **8/26/2021** SeqNo: **2852995** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Methyl tert-butyl ether (MTBE)	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								
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								

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B47**
30-Aug-21

Client: SIMCOE
Project: GCU 204E

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R80817**	RunNo: **80817**
Prep Date:	Analysis Date: **8/26/2021**	SeqNo: **2852995** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
Vinyl chloride	ND	1.0								
Surr: 1,2-Dichloroethane-d4	8.3		10.00		83.3	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.1	70	130			
Surr: Dibromofluoromethane	8.2		10.00		82.0	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108B47**

30-Aug-21

Client: SIMCOE

Project: GCU 204E

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R80817**	RunNo: **80817**
Prep Date:	Analysis Date: **8/26/2021**	SeqNo: **2852995** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Toluene-d8	10		10.00		99.9	70	130			

Sample ID: **100ng 8260 lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R80854**	RunNo: **80854**
Prep Date:	Analysis Date: **8/27/2021**	SeqNo: **2853387** 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			
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	130			
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	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
1,2,4-Trimethylbenzene	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
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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: **2108B47** RcptNo: **1**

Received By: **Cheyenne Cason** **8/20/2021 7:00:00 AM**

Completed By: **Desiree Dominguez** **8/20/2021 12:39:26 PM**

Reviewed By: SPA 8·20·21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature 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) 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 ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: KPL 8/20/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Yes			

Released to Imaging: 1/23/2024 2:48:51 PM

Received by OCD: 1/21/2022 2:49:51 PM

Chain-of-Custody Record

Client: SIMCOE LLC / COTTONWOOD CONSULTING

Mailing Address: 1199 Main St., Suite # 101
Durango, Colo. 81301

Phone #: (505) 330-9179

email or Fax#: steven.moskal@ikavenergy.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: GCU # 204E

Project #:

Project Manager: Steve Moskal - SIMCOE LLC

Sampler: Emma Millar - Cottonwood

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.9-0=0.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 2108B47	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	Cation / Anion Balance	Total Dissolved Solids		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
8/19/21	1021	WATER	MW # 5	40 ml VOA - 2	HCl & Cool	-001										√				√		

Date:	Time:	Relinquished by:	Received by:	Date	Time
8/19/21	1240	[signature]	Christine Walle	8/19/21	1240
8/19/21	1807	Christine Walle	[signature] Coom	8/20/21	0700

Remarks: BILL DIRECTLY TO IKAV ENERGY INC.

CONTACT: Steve Moskal PO to be provided

If necessary, 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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: GCU 204E OrderNo.: 2112693

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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2112693**
Date Reported: **12/16/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW#5
Project: GCU 204E **Collection Date:** 12/8/2021 9:30:00 AM
Lab ID: 2112693-001 **Matrix:** AQUEOUS **Received Date:** 12/9/2021 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JR**
Benzene	200	10		µg/L	10	12/14/2021 1:41:32 PM
Toluene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Ethylbenzene	190	10		µg/L	10	12/14/2021 1:41:32 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2,4-Trimethylbenzene	140	10		µg/L	10	12/14/2021 1:41:32 PM
1,3,5-Trimethylbenzene	37	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Naphthalene	24	2.0		µg/L	1	12/14/2021 1:59:36 AM
1-Methylnaphthalene	18	4.0		µg/L	1	12/14/2021 1:59:36 AM
2-Methylnaphthalene	19	4.0		µg/L	1	12/14/2021 1:59:36 AM
Acetone	ND	10		µg/L	1	12/14/2021 1:59:36 AM
Bromobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Bromoform	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Bromomethane	ND	3.0		µg/L	1	12/14/2021 1:59:36 AM
2-Butanone	ND	10		µg/L	1	12/14/2021 1:59:36 AM
Carbon disulfide	ND	10		µg/L	1	12/14/2021 1:59:36 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Chlorobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Chloroethane	ND	2.0		µg/L	1	12/14/2021 1:59:36 AM
Chloroform	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Chloromethane	ND	3.0		µg/L	1	12/14/2021 1:59:36 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/14/2021 1:59:36 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Dibromomethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/14/2021 1:59:36 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2112693**
Date Reported: **12/16/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE **Client Sample ID:** MW#5
Project: GCU 204E **Collection Date:** 12/8/2021 9:30:00 AM
Lab ID: 2112693-001 **Matrix:** AQUEOUS **Received Date:** 12/9/2021 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **JR**
1,1-Dichloropropene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
2-Hexanone	ND	10		µg/L	1	12/14/2021 1:59:36 AM
Isopropylbenzene	20	1.0		µg/L	1	12/14/2021 1:59:36 AM
4-Isopropyltoluene	1.2	1.0		µg/L	1	12/14/2021 1:59:36 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/14/2021 1:59:36 AM
Methylene Chloride	ND	3.0		µg/L	1	12/14/2021 1:59:36 AM
n-Butylbenzene	ND	3.0		µg/L	1	12/14/2021 1:59:36 AM
n-Propylbenzene	20	1.0		µg/L	1	12/14/2021 1:59:36 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Styrene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/14/2021 1:59:36 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/14/2021 1:59:36 AM
Vinyl chloride	ND	1.0		µg/L	1	12/14/2021 1:59:36 AM
Xylenes, Total	610	15		µg/L	10	12/14/2021 1:41:32 PM
Surr: 1,2-Dichloroethane-d4	93.6	70-130		%Rec	1	12/14/2021 1:59:36 AM
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	12/14/2021 1:59:36 AM
Surr: Dibromofluoromethane	92.7	70-130		%Rec	1	12/14/2021 1:59:36 AM
Surr: Toluene-d8	100	70-130		%Rec	1	12/14/2021 1:59:36 AM

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112693**
16-Dec-21

Client: SIMCOE
Project: GCU 204E

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW** Batch ID: **R84495** RunNo: **84495**
Prep Date: Analysis Date: **12/13/2021** SeqNo: **2969399** Units: **µg/L**

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Methyl tert-butyl ether (MTBE)	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								
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								

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112693**
16-Dec-21

Client: SIMCOE
Project: GCU 204E

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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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								
Vinyl chloride	ND	1.0								
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			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112693**

16-Dec-21

Client: SIMCOE

Project: GCU 204E

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**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Toluene-d8	9.8		10.00		98.5	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R84536**	RunNo: **84536**
Prep Date:	Analysis Date: **12/14/2021**	SeqNo: **2970864** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.9	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	9.8		10.00		97.8	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R84536**	RunNo: **84536**
Prep Date:	Analysis Date: **12/14/2021**	SeqNo: **2970889** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.3	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
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 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: 2112693 RcptNo: 1

Received By: **Tracy Casarrubias** 12/9/2021 7:25:00 AM

Completed By: **Tracy Casarrubias** 12/9/2021 3:19:51 PM

Reviewed By: KPG 12/10/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature 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) 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 ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: JK 12/10/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

Released to Imaging: 1/23/2024 2:48:51 PM
Received by OCD: 1/21/2022 2:49:51 PM

Chain-of-Custody Record

Client: Simcoe LLC

Mailing Address: 1199 Main Ave Suite 101
Durango, CO 81301

Phone #: 970-394-0131

email or Fax#: julie.best@ikavenergy.com

QA/QC Package:
■ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
■ Standard ☐ Rush

Project Name: GCU 204E

Project #:

Project Manager: Julie Best

Sampler: Emma Millar
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 3.1 - 0 = 3.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2112693
12/9/21	0930	WATER	MW #5	40ml VOA x 2	HCl & cool	001

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Cations/Anions	Fe, Cu, Mn, Zn				
							■								

Date	Time	Relinquished by	Received by	Via	Date	Time
12/10/21	1515					
12/8/21	1847				12/8/21	1515
				Courier	12/9/21	7:25

Remarks:

If necessary, 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.

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

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

CONDITIONS

Action 74398

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 74398
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2020 Groundwater Remediation Report fro GCU #204E: Content Satisfactory 1. Continue to conduct quarterly sampling until eight (8) consecutive quarterly samples have been demonstrated below NM WQCC 20.2.3103 of the NMAC. 2. Continue to submit annual reports by April 1, 2024.	1/23/2024