

SIMCOE LLC
(formerly BPX Energy Inc.)

REVIEWED

By Mike Buchanan at 11:40 am, Jan 17, 2024

Review for the
Groundwater
Remediation Report for
GCU#153E: **Content
Satisfactory**
1. Continue to conduct
groundwater monitoring
as prescribed by
NMOCD
2. Please update OCD
on the status of the
SVE system installation
at the site.
3. Please submit
documentation and
annual reports regularly
by, and no later, than
April 1, 2024.

GROUNDWATER REMEDIATION REPORT

GCU #153E

(C) SECTION 28, T29N, 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 # 153E
Unit Letter C, Sec. 28, T29N, R12W
Incident #: NAUTOAB00208

Monitor Well Sampling Dates:

02/10/12, 06/29/12, 09/27/12, 11/26/12, 02/27/13, 05/31/13, 08/28/13,
12/11/13, 02/27/14, 05/28/14, 08/28/14, 12/01/14, 03/30/15,
05/11/15, 08/26/15, 06/22/16, 05/26/17, 06/26/18, 06/21/19,
03/24/20, 03/03/21

Pit Closure & Background:

A site earthen dehydrator pit closure was initiated in December 1994 by removing impacted soils via excavation. Documentation for this work and subsequent groundwater monitoring data for the site was previously submitted to the New Mexico Oil Conservation Division (NMOCD) for review. The reporting herein is for site monitoring conducted from 2020-2021

Groundwater Monitor Well Sampling Procedures:

Groundwater monitor well MW #3R was purged three wellbore volumes using a new disposable bailer, then given a sufficient amount of time to allow recovery prior to each sample collection. The groundwater samples were collected following US EPA: SW-846 protocol, were placed into laboratory supplied containers with appropriate preservative, and stored in an ice chest for express delivery to an analytical laboratory for testing under strict chain-of-custody procedures. Analytical testing for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by US EPA Method 8021B was conducted.

Fluids generated during monitor well purging were managed by discarding into the separator below-grade tank (BGT) or above-grade tank (AGT) located on the well site. The BGT and AGT contents are eventually disposed through approved NMOCD operational procedures for removal of produced fluids.

Water Quality and Gradient Information:

Quarterly sampling of the groundwater monitor well MW #3R was conducted from 2013 to the third quarter of 2015. Annually sampling initiated in 2016 and continues to the present. A historical summary of laboratory analytical results is included within the table on the following pages.

Groundwater contour maps (Figure 2 through Figure 12) reveal the relative elevations from the site wells have consistently shown an apparent southwest flow direction.

Summary and/or Recommendations:

SIMCOE has been on hold from the City of Farmington since the spring of 2020 for an electrical drop pole to initiate the NMOCD approved soil vapor extraction system (SVE). Hydrocarbon impacts still remain above the New Mexico Water Quality Control Commission's groundwater standard for benzene within monitor well MW #3R. Continued site monitoring per the previous operator's NMOCD approved Ground Water Management Plan is still recommended.

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

Heather Riley
Division Director
Oil Conservation Division



November 29, 2018

Mr. Steve Moskal
1199 Main Ave, Suite 101
Durango, CO 81303

Re: Gallegos Canyon Unit #153
(3RP-17) API# 30-045- 24292

Dear Mr. Moskal,

OCD has reviewed the subject work plan. OCD approves this work plan with the following conditions.

- 1.) BP will maintain a SVE runtime greater than or equal to 90% per quarter.
- 2.) BP will collect an initial gas sample for laboratory analysis shortly after the startup of SVE Operations and then a quarterly sample thereafter. The gas sample will be analyzed for EPA Method 8260 Full List and include Carbon dioxide and Oxygen.
 - o The gas sample port needs to be installed prior to the inlet of the vacuum pump but, after the convergence of all sve wells.
- 3.) BP will submit to OCD District III a quarterly update report detailing remediation operations the report will include at a minimum.
 - o Summary of remediation activity for the quarter.
 - o SVE run time
 - o SVE mass removal and product recovery.
 - o Gas Sample Analysis

BP will submit to the OCD District III a closure sampling plan prior to initiating closure of the site.

Vanessa Fields
Environmental Specialist
505-334-6178 ext. 119

Cc: Jim Griswold, Brandon Powell, Cory Smith

GCU 153E

Distance to nearest water well
SJ 02658 located 3,422' to SE

Legend

-  1,000' Buffer
-  Distance 3,422'
-  SJ 02658



Google Earth

GCU 153E

300' Buffer Area (Green)
500' Buffer Area (Orange)

Legend

- 500' Buffer
- 300' Buffer
- GCU 153E MW-3

GCU 153E MW-3

Google Earth



600 ft

BP - GCU 153E

API #: 3004524292
(C) Sec. 28, T29N, R12W
Imagery Date: 3/15/2015

FIGURE 13



LAB BTEX

TABLE

SUMMARY



**Gallegos Canyon Unit #153E
Groundwater Sampling Results
Simcoe LLC**

Well Name	Sample Date	Depth to Water (ft)	Well Depth (ft)	TDS (mg/L)	Conductivity (umhos)	Free Phase Product (ft)	pH	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #1A	03/08/96	14.95	20.00	4,460	3,200	-	7.20	ND	0.73	ND	ND
MW #2A	01/12/93	11.50	15.83	4,460	5,700	-	6.60	11.5	12.1	ND	54
MW #2A	05/05/93	10.34	-	-	3,400	-	6.60	14	6.9	10.9	20.1
MW #2A	09/01/93	11.54	-	-	2,800	-	7.10	700	10.4	244	82.9
MW #2A	12/01/93	11.42	-	-	4,800	-	7.00	118	1.6	76	44.7
MW #2A	03/08/94	11.01	-	-	4,600	-	7.20	24.1	8.5	24.5	29.3
MW #2A	06/27/94	11.14	-	-	4,000	-	6.90	350	13.2	126	ND
MW #2A	09/21/94	11.80	-	-	3,500	-	6.90	328.7	13.3	140.8	1.5
MW #2A	12/16/94	11.55	-	-	3,800	-	7.10	6.7	9.6	1.1	8.7
MW #2A	03/15/95	11.15	-	-	4,400	-	6.80	1.7	5	ND	3.8
MW #2A	06/16/95	10.82	-	-	4,000	-	6.90	36.5	5.4	17.6	7.2
MW #2A	09/11/95	11.39	-	-	3,100	-	7.20	239	17	168	35.6
MW #2A	12/08/95	11.44	-	-	3,800	-	6.80	50.2	9.99	10.3	5.84
MW #2A	03/08/96	11.08	-	-	2,700	-	6.70	1.08	ND	2.71	0.87
MW #2A	06/17/96	11.30	-	-	2,700	-	6.90	230	10.2	77.7	32.54
MW #2A	06/25/97	10.52	-	-	2,600	-	6.80	522	6.6	82.6	44.6
MW #2A	06/12/98	10.59	-	-	2,400	-	7.30	125	7.3	22.7	44.7
MW #2A	05/28/99	10.05	-	-	2,700	-	6.80	185	47.8	44.1	73.4
MW #2A	05/26/00	10.10	-	-	3,500	-	7.00	220	ND	96	15
MW #2A	07/28/01	10.87	-	-	3,700	-	7.26	66	ND	24	31
MW #2A	03/11/02	10.80	-	-	4,600	-	6.86	ND	ND	2.1	ND
MW #2A	06/21/02	11.18	-	-	4,700	-	7.63	63	ND	28	29.8
MW #2A	06/30/03	10.74	-	-	2,900	-	6.81	41	5.3	30	36
MW #2A	06/25/04	10.78	-	-	2,900	-	6.81	7.6	ND	3.5	5.5
MW #2A	12/22/04	11.03	-	-	N/A	-	N/A	ND	ND	ND	ND
MW #2A	03/29/05	9.85	-	-	3,100	-	6.73	ND	ND	ND	ND
MW #3A	01/12/93	11.40	16.00	-	6,800	-	7.00	706,000	6,438,000	3,684,000	13,999,000
MW #3A	05/05/93	10.38	-	-	4,900	-	7.00	8,200	2,210	1,070	4,340
MW #3A	09/01/93	11.44	-	-	5,400	-	7.10	8,300	800	660	2,750
MW #3A	12/01/93	11.33	-	-	-	0.02	-	-	-	-	-
MW #3A	03/08/94	11.03	-	-	-	0.03	-	-	-	-	-
MW #3A	06/27/94	-	-	-	-	0.02	-	-	-	-	-
MW #3A	09/21/94	-	-	-	-	0.01	-	-	-	-	-
MW #3A	12/16/94	11.97	-	-	-	0.48	-	-	-	-	-
WP #3B	06/28/95	11.73	15.00	-	6,500	-	7.40	1,947	1,735	434.3	3,150
WP #3B	09/11/95	12.14	-	-	8,400	-	7.80	752	102	427	1,386
WP #3B	12/08/95	12.15	-	-	4,800	-	6.20	772	70	208	2,070
WP #3B	03/08/96	11.78	-	-	4,000	-	6.10	775	156	259	2,480
WP #3B	06/17/96	11.77	-	-	4,800	-	6.40	764	196	184	1,515
WP #3B	06/25/97	11.25	-	-	3,400	-	6.30	1,940	167	143	727
WP #3B	06/12/98	11.22	-	-	3,700	-	6.60	276	68	85.3	458
WP #3B	05/28/99	11.56	-	-	3,900	-	6.50	178	98	50.5	250
MW #3R	06/13/00	10.88	20.00	-	7,600	-	7.00	360	16	720	1,234
MW #3R	07/28/01	11.72	-	-	8,600	-	7.25	520	35	350	757
MW #3R	03/11/02	11.70	-	-	9,700	-	7.14	120	7	110	225
MW #3R	06/21/02	11.90	-	-	8,800	-	7.69	310	ND	300	551
MW #3R	06/30/03	11.39	-	-	5,200	-	7.11	300	ND	76	170
MW #3R	06/25/04	10.51	-	-	5,200	-	7.11	120	ND	44	63
MW #3R	06/27/05	10.78	-	-	6,200	-	7.00	160	12	54	84
MW #3R	06/29/06	11.51	-	-	7,800	-	6.93	470	39	170	180
MW #3R	06/25/07	10.70	-	-	6,000	-	6.94	180	ND	24	24
NMWQCC Groundwater Standard							6-9	5	1000	700	620



**Gallegos Canyon Unit #153E
Groundwater Sampling Results
Simcoe LLC**

Well Name	Sample Date	Depth to Water (ft)	Well Depth (ft)	TDS (mg/L)	Conductivity (umhos)	Free Phase Product (ft)	pH	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #3R	06/09/08	10.66	-	-	3,300	-	7.24	72	6	9.1	14
MW #3R	08/27/08	11.47	-	-	6,000	-	7.37	58	ND	4.7	9
MW #3R	05/26/09	11.10	-	-	5,200	-	7.50	63	ND	ND	ND
MW #3R	12/28/09	11.70	-	-	5,600	-	7.52	8.3	ND	ND	ND
MW #3R	03/02/10	11.05	-	-	4,400	-	7.53	66	ND	ND	ND
MW #3R	05/10/10	10.57	-	-	4,700	-	7.49	47	ND	ND	ND
MW #3R	07/21/10	11.45	-	-	7,900	-	7.48	38	ND	2.3	6.3
MW #3R	10/21/10	12.18	-	-	6,400	-	7.15	11	ND	1.6	3.3
MW #3R	02/23/11	11.43	-	-	3,600	-	7.45	3.8	ND	ND	2.9
MW #3R	06/01/11	11.33	-	-	8,900	-	7.41	160	10	25	37
MW #3R	09/29/11	12.23	-	-	8,900	-	7.39	47	ND	6.6	12
MW #3R	12/21/11	11.73	-	-	6,400	-	7.78	20	4.3	5.4	6.2
MW #3R	02/10/12	11.56	-	-	6,200	-	7.21	9.7	1.6	2.7	4.8
MW #3R	06/29/12	11.88	-	-	6,500	-	7.31	79	18	19	30
MW #3R	09/27/12	11.80	-	-	3,100	-	7.34	17	2.4	6.2	7.7
MW #3R	11/26/12	11.75	-	-	3,200	-	7.71	8.9	1.5	2.6	4.3
MW #3R	02/27/13	11.35	-	-	5,100	-	7.05	63	13	14	23
MW #3R	05/31/13	11.16	-	6,010	4,300	-	7.30	93	14	14	31
MW #3R	08/28/13	12.10	-	-	2,900	-	7.80	51	6.5	5.3	ND
MW #3R	12/11/13	11.00	-	-	3,100	-	7.45	80	22	15	23
MW #3R	02/27/14	10.78	-	-	4,800	-	7.23	84	20	16	28
MW #3R	05/28/14	10.76	-	-	2,800	-	7.28	110	22	16	41
MW #3R	08/22/14	11.64	-	-	1,800	-	7.37	34	8.5	5.2	14
MW #3R	12/01/14	11.62	-	-	3,100	-	7.36	8.6	5.4	3.0	7.1
MW #3R	03/30/15	10.87	-	-	800	-	6.73	74	28	19	34
MW #3R	05/11/15	12.02	-	-	2,800	-	7.27	54	25	12	19
MW #3R	08/26/15	11.24	-	-	5,200	-	6.88	34	8.4	5.4	9.3
MW #3R	06/22/16	10.30	-	-	4,700	-	6.97	29	9.1	7.4	14
MW #3R	05/26/17	10.14	-	-	5,500	-	6.86	29	16	10	22
MW #3R	06/26/18	11.38	-	-	5,100	-	6.93	22	6.0	5.6	9.2
MW #3R	06/19/19	11.16	-	-	3,100	-	7.32	15	12	12	32
MW #3R	03/03/21	-	-	-	-	-	-	ND	ND	1.8	3.5
MW #7A	01/12/93	12.42	16.60	-	12,400	-	7.30	ND	0.5	ND	1.1
MW #7A	05/05/93	10.56	-	-	10,600	-	7.50	ND	ND	ND	0.5
MW #7A	09/01/93	11.90	-	-	10,700	-	7.50	0.2	ND	ND	0.8
MW #7A	03/08/94	11.10	-	-	16,800	-	7.30	ND	ND	ND	ND
MW #7A	06/27/94	11.23	-	-	13,700	-	7.30	ND	ND	ND	ND
MW #7A	09/21/94	12.30	-	-	13,100	-	7.30	0.8	1	ND	2.2
MW #7A	12/16/94	11.69	-	-	9,600	-	7.50	ND	ND	ND	ND
MW #7A	03/15/95	11.21	-	-	18,400	-	7.50	ND	ND	ND	ND
MW #7A	06/16/95	10.88	-	-	12,200	-	7.40	ND	ND	ND	ND
MW #7A	09/11/95	11.64	-	-	11,200	-	7.70	1.1	0.6	0.5	1
MW #7A	12/08/95	11.50	-	-	10,800	-	7.40	ND	ND	ND	ND
MW #7A	03/08/96	11.18	-	-	8,300	-	7.30	ND	ND	ND	ND
MW #7A	06/17/96	11.28	-	-	9,000	-	7.40	ND	ND	ND	ND
MW #7A	07/28/01	10.87	-	-	8,300	-	7.59	ND	ND	ND	ND
MW #11A	03/08/96	12.10	20.17	-	3,100	-	6.90	ND	ND	ND	ND
MW #12A	03/08/96	10.76	19.79	-	2,800	-	7.00	ND	ND	ND	ND
NMWQCC Groundwater Standard							6-9	5	1000	700	620

Notes:

TDS - Total Dissolved Solids

ft - feet

mg/L - milligrams per liter

umhos - microhms

ppb - parts per billion

"- " - Indicates no data

NMWQCC - New Mexico Water Quality Control Commission

Depth to water measured from top of well casing

Bold values exceed NMWQCC Standard

2021 LAB REPORTS



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 153E

OrderNo.: 2103242

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/4/2021 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103242

Date Reported: 3/17/2021

CLIENT: SIMCOE

Client Sample ID: MW-3R

Project: GCU 153E

Collection Date: 3/3/2021 3:20:00 PM

Lab ID: 2103242-001

Matrix: GROUNDWA

Received Date: 3/4/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: JMR
Benzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Toluene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Ethylbenzene	1.8	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2,4-Trimethylbenzene	1.3	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Naphthalene	ND	2.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1-Methylnaphthalene	ND	4.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
2-Methylnaphthalene	ND	4.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Acetone	ND	10		µg/L	1	3/15/2021 10:46:50 PM	A75948
Bromobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Bromodichloromethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Bromoform	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Bromomethane	ND	3.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
2-Butanone	ND	10		µg/L	1	3/15/2021 10:46:50 PM	A75948
Carbon disulfide	ND	10		µg/L	1	3/15/2021 10:46:50 PM	A75948
Carbon Tetrachloride	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Chlorobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Chloroethane	ND	2.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Chloroform	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Chloromethane	ND	3.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
2-Chlorotoluene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
4-Chlorotoluene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
cis-1,2-DCE	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Dibromochloromethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Dibromomethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,1-Dichloroethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,1-Dichloroethene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2-Dichloropropane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,3-Dichloropropane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
2,2-Dichloropropane	ND	2.0		µg/L	1	3/15/2021 10:46:50 PM	A75948

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

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

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

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2103242

Date Reported: 3/17/2021

CLIENT: SIMCOE

Client Sample ID: MW-3R

Project: GCU 153E

Collection Date: 3/3/2021 3:20:00 PM

Lab ID: 2103242-001

Matrix: GROUNDWA

Received Date: 3/4/2021 7:50:00 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	3/15/2021 10:46:50 PM	A75948
Hexachlorobutadiene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
2-Hexanone	ND	10		µg/L	1	3/15/2021 10:46:50 PM	A75948
Isopropylbenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
4-Isopropyltoluene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
4-Methyl-2-pentanone	ND	10		µg/L	1	3/15/2021 10:46:50 PM	A75948
Methylene Chloride	ND	3.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
n-Butylbenzene	ND	3.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
n-Propylbenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
sec-Butylbenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Styrene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
tert-Butylbenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
trans-1,2-DCE	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Trichlorofluoromethane	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Vinyl chloride	ND	1.0		µg/L	1	3/15/2021 10:46:50 PM	A75948
Xylenes, Total	3.5	1.5		µg/L	1	3/15/2021 10:46:50 PM	A75948
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%Rec	1	3/15/2021 10:46:50 PM	A75948
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	3/15/2021 10:46:50 PM	A75948
Surr: Dibromofluoromethane	96.4	70-130		%Rec	1	3/15/2021 10:46:50 PM	A75948
Surr: Toluene-d8	103	70-130		%Rec	1	3/15/2021 10:46:50 PM	A75948

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

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

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

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103242

17-Mar-21

Client: SIMCOE

Project: GCU 153E

Sample ID: 100ng lcs	SampType: LCS		TestCode: EPA Method 8260B: VOLATILES							
Client ID: LCSW	Batch ID: A75931		RunNo: 75931							
Prep Date:	Analysis Date: 3/12/2021		SeqNo: 2686937		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		99.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.5	70	130			
Surr: Dibromofluoromethane	8.6		10.00		86.2	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: mb1	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: A75931		RunNo: 75931							
Prep Date:	Analysis Date: 3/12/2021		SeqNo: 2686938		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.3	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.2	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.0	70	130			
Surr: Toluene-d8	11		10.00		106	70	130			

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: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.7	70	130			
Toluene	20	1.0	20.00	0	99.3	70	130			
Chlorobenzene	20	1.0	20.00	0	98.4	70	130			
1,1-Dichloroethene	16	1.0	20.00	0	80.2	70	130			
Trichloroethene (TCE)	15	1.0	20.00	0	76.7	70	130			
Surr: 1,2-Dichloroethane-d4	9.6		10.00		95.7	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.3	70	130			
Surr: Dibromofluoromethane	8.8		10.00		88.3	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: vsb fridge	SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: A75948		RunNo: 75948							
Prep Date:	Analysis Date: 3/15/2021		SeqNo: 2687604		Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								

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 Quantitative 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#: 2103242

17-Mar-21

Client: SIMCOE
Project: GCU 153E

Sample ID: vsb fridge		SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW		Batch ID: A75948		RunNo: 75948						
Prep Date:		Analysis Date: 3/15/2021		SeqNo: 2687604		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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#: 2103242

17-Mar-21

Client: SIMCOE
Project: GCU 153E

Sample ID: vsb fridge		SampType: MBLK		TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW		Batch ID: A75948		RunNo: 75948						
Prep Date:		Analysis Date: 3/15/2021		SeqNo: 2687604		Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	8.5		10.00		84.6	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.7	70	130			
Surr: Dibromofluoromethane	9.5		10.00		94.5	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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
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: **2103242**

RcptNo: 1

Received By: **Juan Rojas** 3/4/2021 7:50:00 AMCompleted By: **Desiree Dominguez** 3/4/2021 8:56:05 AMReviewed By: **ENH**

3/4/21

*Juan Rojas**DD*

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 $>0^{\circ}\text{C}$ 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: **DAD 3/4/21**

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Any sub-contracted data will be clearly notated on the analytical report. 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 74355

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 74355
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review for the Groundwater Remediation Report for GCU#153E: Content Satisfactory 1. Continue to conduct groundwater monitoring as prescribed by NMOCD 2. Please update OCD on the status of the SVE system installation at the site. 3. Please submit documentation and annual reports regularly by, and no later, than April 1, 2024.	1/17/2024