SIMCOE LLC

(formerly BPX Energy Inc.)

REVIEWED

By Mike Buchanan at 3:03 pm, Jan 17, 2024

Review of the GCU#170 Groundwater Remediation Report: Content Satisfactory

1. Continue to conduct

GROUNDWATER REMEI groundwater propriete Propri

(8) consecutive quarterly samples, or different number of samples approved by NMOCD, are below NMWQCC standards.

2. Continue to submit annual remediation reports by April 1, 2024

Gallego Canyon Unit #170 (K) SECTION 35, 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 # 170

Unit Letter K, Sec. 35, T29N, R12W

Incident #: nCS1621656998 / nAUTOfWCO00211 Administrative Environmental Order# 3RP-422-0

Monitor Well Sampling Dates: 03/31/2021 & 8/17/2021

Pit Closure & Background:

In 1995, remedial excavation of a historic pit was performed at the Gallegos Canyon Unit #170. Some of those impacts remained on site and four groundwater monitoring wells were installed as part of the remediation plan for that project. In 2016, a tank of condensate overflowed on site. Removal of the 2016 impacts was conducted, during which three of the original groundwater monitoring wells were removed, then reinstalled. Four additional groundwater monitoring wells were also installed. See Figure 1 for the locations of all monitoring wells.

In 2017, monitoring demonstrated that benzene, toluene, ethylbenzene, and total xylenes had been remediated and no further sampling of these constituents was required.

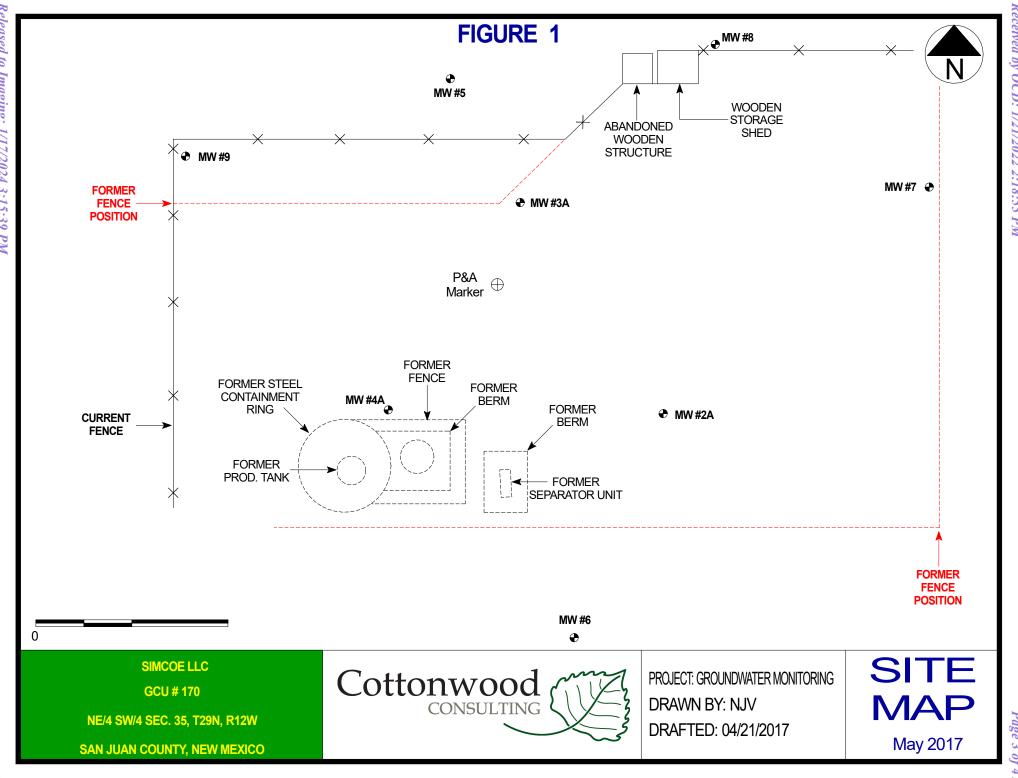
Groundwater Monitor Well Sampling Procedures:

Groundwater sampling was conducted on March 31 and August 17, 2021. Prior to groundwater sample collection, depth-to-water measurements were collected from all eight groundwater monitoring wells.

Prior to sample collection, approximately three wellbore volumes were purged from each well with new disposable bailers. The groundwater samples were collected following US EPA SW-846 protocol. The groundwater samples were transferred into laboratory-provided containers with the appropriate preservative, stored in a cooler on ice, and submitted with a complete chain-of-custody to Hall Environmental Analysis Laboratory (HEAL) for analysis of API water, pH, TDS (total dissolved solids), anions, and cations. Cottonwood also collected field measurements of pH, conductivity, and temperature.

Monitoring Results:

Sulfate and TDS were elevated above the New Mexico Water Quality Control Commission (NMWQCC) standard in MW #2A, MW #3A, MW #5, MW #7, and MW #8 during one or both of the biannual sampling events conducted in 2021. A groundwater sampling results table and the groundwater sampling laboratory reports from the 2021groundwater sampling are included.



LAB BTEX

TABLE

SUMMARY



Gallegos Canyon Unit #170 Groundwater Sampling Results Simcoe LLC

	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity-Clab (umhos)	Conductivity- Field (umhos)	Temp.	pH (Lab)	Chloride (mg/L)			Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW # 2A	04/17/17	8.71	14.80	1,400	1,680	13.2	7.63	8.8	440	1,010	<1.0	<1.0	<1.0	<1.5
MW # 2A	08/10/17	7.43	"	1,100	1,070	16.0	7.63	8.1	220	780	<1.0	<1.0	<1.0	<1.5
MW # 2A	10/19/17	7.02	"	1,200	1,570	15.7	7.45	5.3	210	795	<1.0	<1.0	<1.0	<1.5
MW # 2A	04/10/18	7.21	"	1,400	1,440	14.5	7.49	6.6	340	1,000	-	-	-	-
MW # 2A	09/19/18	6.99	"	1,000	1,310	18.1	7.62	6.0	140	706	-	-	-	-
MW # 2A	06/25/19	6.70	"	1,300	2,000	15.2	7.27	8.6	350	940	-	-	-	-
MW # 2A	12/11/19	8.01	"	1,500	1,490	13.2	7.70	11	420	1,090	-	-	-	-
MW # 2A	03/25/20	8.87	"	1,600	1,660	11.4	7.58	17	490	1,240	-	-	-	-
MW # 2A	08/12/20	6.47	"	3,700	1,410	16.3	7.36	140	1600	3,060	-	-	-	-
MW # 2A	03/31/21	-	"	2,400	-	-	7.38	100	880	1,770	-	-	-	-
MW # 2A	08/17/21	6.81	"	1,600	1,704	19.9	7.33	35	480	870	-	-	-	-
MW # 3A	04/17/17	7.92	15.88	1,500	1,790	13.1	7.49	13	520	1,160	<1.0	<1.0	<1.0	<1.5
MW # 3A	08/10/17	6.74	"	2,100	1,850	16.5	7.59	6.5	980	1,940	<1.0	<1.0	<1.0	<1.5
MW # 3A	10/19/17	6.43	"	2,000	1,250	15.7	7.47	6.1	820	1,670	<1.0	<1.0	<1.0	<1.5
MW # 3A	04/10/18	6.60	"	2,000	1,520	14.4	7.60	9.6	810	1,680	-	-	-	-
MW # 3A	09/19/18	6.39	"	1,700	1,280	18.2	7.62	6.4	710	1,310	-	-	-	-
MW # 3A	06/25/19	7.80	"	1,800	1,410	16.5	7.30	8.0	790	1,550	-	-	-	-
MW # 3A	12/11/19	7.22	"	1,600	1,430	13.1	7.81	8.5	680	1,400	-	-	-	-
MW # 3A	03/25/20	7.98	"	1,800	1,670	10.9	7.96	11	820	1,570	-	-	-	-
MW # 3A	08/12/20	6.02	"	1,800	1,790	16.2	7.48	45	630	1,290	-	-	-	-
MW # 3A	03/31/21	-	"	1,900	-	-	7.38	12	850	1,570	-	-	-	-
MW # 3A	08/17/21	6.25	"	1,800	1,685	20.2	7.41	13	810	1,250	-	-	-	-
MW # 4A	04/17/17	8.86	15.98	1,100	1,450	12.1	7.70	7.7	270	770	<1.0	<1.0	<1.0	<1.5
MW # 4A	08/10/17	7.51	"	950	1,110	16.1	7.73	6.0	140	650	<1.0	<1.0	<1.0	<1.5
MW # 4A	10/19/17	7.10	"	990	1,090	16.3	7.52	7.4	140	596	<1.0	<1.0	<1.0	<1.5
MW # 4A	04/10/18	7.31	"	1,100	1,100	14.8	7.67	10.0	140	740	-	-	-	-
MW # 4A	09/19/18	7.12	"	1,000	1,110	17.8	7.69	8.2	140	690	-	-	-	-
MW # 4A	06/25/19	8.78	"	1,100	1,100	14.9	7.41	10	140	185	-	-	-	-
MW # 4A	12/11/19	8.09	"	1,400	1,460	13.6	7.82	79	230	955	-	-	-	-
MW # 4A	03/25/20	8.98	"	1,100	1,310	11.0	7.80	27	190	820	-	-	-	-
MW # 4A	08/12/20	6.67	"	4,000	5,700	16.8	7.53	340	1,500	3,140	-	-	-	-
MW # 4A	03/31/21	-	"	1,200	-	-	7.43	22	200	670	-	-	-	-
MW # 4A	08/17/21	6.60	"	1,300	1,353	21.4	7.44	48	260	780	-	-	-	-
			N	MWQCC Gro	undwater St	andard	6-9	250	600	1,000	5	1,000	700	620



Gallegos Canyon Unit #170 Groundwater Sampling Results Simcoe LLC

Sample ID	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity-Clab (umhos)	Conductivity- Field (umhos)	Temp.	pH (Lab)	Chloride (mg/L)	Sulfate (mg/L)		Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW # 5	04/17/17	7.47	19.24	1,900	1,710	13.3	7.58	12	840	1,490	<1.0	<1.0	<1.0	<1.5
MW # 5	08/10/17	6.42	"	4,200	2,200	16.4	7.74	8.4	2,500	3,460	<1.0	<1.0	<1.0	<1.5
MW # 5	10/19/17	6.15	"	3,500	1,620	15.9	7.44	6.1	1,800	3,060	<1.0	<1.0	<1.0	<1.5
MW # 5	04/10/18	6.26	"	2,400	1,830	14.7	7.60	8.7	1,100	2,140	-	-	-	-
MW # 5	09/19/18	6.10	"	2,100	1,360	16.3	7.95	7.3	910	1,610	-	-	-	-
MW # 5	06/25/19	7.29	"	2,200	1,800	15.7	7.37	8.3	1,100	1,610	-	-	-	-
MW # 5	12/11/19	6.82	"	2,000	2,000	13.3	7.87	7.6	980	1,660	-	-	-	-
MW # 5	03/25/20	7.50	"	2,100	2,100	11.8	7.79	11	1,100	1,880	-	-	-	-
MW # 5	08/12/20	5.73	"	1,800	1,560	17.1	7.51	12	700	1,400	-	-	-	-
MW # 5	03/31/21	-	"	2,200	-	-	7.45	7.5	1,100	1,840	-	-	-	-
MW # 5	08/17/21	5.96	"	2,300	2,220	21.9	7.41	21	1,000	1,780	-	-	-	-
MW # 6	04/17/17	9.98	15.98	830	800	12.6	7.61	5.6	85	450	<1.0	<1.0	<1.0	<1.5
MW # 6	08/10/17	8.47	"	820	820	15.8	7.69	7.6	76	560	<1.0	<1.0	<1.0	<1.5
MW # 6	10/19/17	7.98	"	1,000	920	15.6	7.40	5.7	77	540	<1.0	<1.0	<1.0	<1.5
MW # 6	04/10/18	8.27	"	930	900	14.1	7.67	6.8	75	580	-	-	-	-
MW # 6	09/19/18	7.98	"	1,200	1,210	17.9	7.67	16.0	130	780	-	-	-	-
MW # 6	06/25/19	9.99	"	880	850	14.6	7.42	< 5.0	72	395	-	-	-	-
MW # 6	12/11/19	9.20	"	830	850	13.6	7.63	4.0	75	610	-	-	-	-
MW # 6	03/25/20	10.21	"	800	800	11.6	7.97	4.3	77	585	-	-	-	-
MW # 6	08/12/20	7.36	"	850	810	17.9	7.60	< 2.5	53	516	-	-	-	-
MW # 6	03/31/21	-	"	840	-	-	7.27	4.3	76	535	-	-	-	-
MW # 6	08/17/21	7.56	"	1,000	1,026	23.3	7.32	4.0	72	580	-	-	-	-
MW # 7	04/17/17	9.25	18.78	1,900	1,850	14.1	7.60	7.7	930	1,610	<1.0	<1.0	<1.0	<1.5
MW # 7	08/10/17	8.17	"	1,800	1,960	16.8	7.60	17.0	690	1,570	<1.0	<1.0	<1.0	<1.5
MW # 7	10/19/17	7.81	"	1,900	1,670	16.1	7.40	< 5.0	730	1,510	<1.0	<1.0	<1.0	<1.5
MW # 7	04/10/18	7.99	"	1,800	1,710	14.5	7.56	6.6	720	1,480	-	-	-	-
MW # 7	09/19/18	7.72	"	1,500	1,250	17.7	7.66	6.9	500	1,100	-	-	-	-
MW # 7	06/25/19	9.20	"	1,800	1,420	16.6	7.34	9.7	710	1,180	-	-	-	-
MW # 7	12/11/19	8.61	"	1,900	1,770	12.3	7.82	11	920	1,670	-	-	-	-
MW # 7	03/25/20	9.36	"	1,900	1,830	10.8	7.95	8.6	940	1,680	-	-	-	-
MW # 7	08/12/20	7.39	"	1,700	1,490	17.1	7.66	15	730	1,350	-	-	-	-
MW # 7	03/31/21	-	"	1,900	-	-	7.29	16	840	1,580	-	-	-	-
MW # 7	08/17/21	7.65	"	2,000	2,040	20.0	7.46	14	1,000	1,440	-			
			N	MWQCC Gro	undwater St	tandard	6 - 9	250	600	1,000	5	1,000	700	620



Gallegos Canyon Unit #170 Groundwater Sampling Results Simcoe LLC

Sample ID	Sample Date	Depth to Water (ft)	Well Depth (ft)	Conductivity- Lab (umhos)	Conductivity- Field (umhos)	Temp.	pH (Lab)	Chloride (mg/L)		TDS (mg/L)		Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW # 8	04/17/17	8.63	18.08	2,300	2,300	13.4	7.58	12	1,200	1,880	<1.0	<1.0	<1.0	<1.5
MW # 8	08/10/17	7.78	"	2,000	1,900	16.3	7.69	8.7	1,100	1,760	<1.0	<1.0	<1.0	<1.5
MW # 8	10/19/17	7.54	"	2,200	1,780	15.7	7.53	6.3	920	1,760	<1.0	<1.0	<1.0	<1.5
MW # 8	04/10/18	7.64	"	2,000	1,880	14.2	7.63	7.5	680	1,600	-	-	-	-
MW # 8	09/19/18	7.45	"	2,100	1,820	16.0	8.10	15.0	910	1,650	-	-	-	-
MW # 8	06/25/19	8.54	"	2,000	1,190	15.6	7.40	8.2	930	1,660	-	-	-	-
MW # 8	12/11/19	8.12	"	2,200	2,100	12.6	7.84	11	990	1,940	-	-	-	-
MW # 8	03/25/20	8.72	"	2,100	2,000	11.0	7.97	9	1,200	1,970	-	-	-	-
MW # 8	08/12/20	7.20	"	2,600	2,600	15.9	7.61	33	1100	2,120	-	-	-	-
MW # 8	03/31/21	-	"	2,200	-	-	7.40	8.2	1100	1,990	-	-	-	-
MW # 8	08/17/21	7.40	"	2,000	1,968	21.1	7.52	12	980	1,600	-	-	-	-
MW # 9	04/17/17	11.38	18.43	1,200	1,530	13.8	7.75	55	220	800	<1.0	<1.0	<1.0	<1.5
MW # 9	08/10/17	10.16	"	1,100	1,210	16.3	7.81	38	210	850	<1.0	<1.0	<1.0	<1.5
MW # 9	10/19/17	9.84	"	1,200	1,070	16.3	7.66	21	190	710	<1.0	<1.0	<1.0	<1.5
MW # 9	04/10/18	9.98	"	970	1,240	14.5	7.72	24	120	615	-	-	-	-
MW # 9	09/19/18	9.85	"	1,100	1,180	16.4	7.91	22	150	700	-	-	-	-
MW # 9	06/25/19	11.22	"	1,100	240	14.4	7.56	23	220	650	-	-	-	-
MW # 9	12/11/19	10.63	"	1,500	1,450	13.6	7.88	18	500	1,180	-	-	-	-
MW # 9	03/25/20	11.44	"	1,500	1,440	11.6	7.91	31	460	1,060	-	-	-	-
MW # 9	08/12/20	9.36	"	1,400	2,400	16.5	7.71	93	230	932	-	-	-	-
MW # 9	03/31/21	-	"	990	-	-	7.39	18	200	630	-	-	-	-
MW # 9	08/17/21	9.58	"	1,100	1,084	20.3	7.60	19	240	635	-	-	-	-
			N	MWQCC Gro	undwater St	andard	6 - 9	250	600	1,000	5	1,000	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

°C - degrees Celsius

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

April 12, 2021

Steve Moskal SIMCOE 1100 Main St.

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

FAX:

RE: Gallegos Canyon Unit 170 OrderNo.: 2104008

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 8 sample(s) on 4/1/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-6

Project: Gallegos Canyon Unit 170
 Collection Date: 3/31/2021 10:25:00 AM

 Lab ID: 2104008-001
 Matrix: AQUEOUS
 Received Date: 4/1/2021 8:00:00 AM

Analyses	Result	RL Q	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.53	0.50		mg/L	5	4/1/2021 8:38:20 PM
Chloride	4.3	2.5		mg/L	5	4/1/2021 8:38:20 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	4/1/2021 8:38:20 PM
Bromide	ND	0.50		mg/L	5	4/1/2021 8:38:20 PM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/1/2021 8:38:20 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/1/2021 8:38:20 PM
Sulfate	76	2.5		mg/L	5	4/1/2021 8:38:20 PM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	150	5.0		mg/L	5	4/6/2021 1:28:25 PM
Iron	18	2.5	*	mg/L	50	4/6/2021 3:03:09 PM
Magnesium	19	1.0		mg/L	1	4/6/2021 1:27:04 PM
Potassium	4.5	1.0		mg/L	1	4/6/2021 1:27:04 PM
Sodium	34	1.0		mg/L	1	4/7/2021 12:49:10 PM
SM2340B: HARDNESS						Analyst: ELS
Hardness (As CaCO3)	460	6.6		mg/L	1	4/6/2021 11:34:00 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: MH
Conductivity	840	10		µmhos/c	1	4/5/2021 12:59:54 PM
SM4500-H+B / 9040C: PH						Analyst: MH
рН	7.27		Н	pH units	1	4/5/2021 12:59:54 PM
SM2320B: ALKALINITY						Analyst: MH
Bicarbonate (As CaCO3)	383.8	20.00		mg/L Ca	1	4/5/2021 12:59:54 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	4/5/2021 12:59:54 PM
Total Alkalinity (as CaCO3)	383.8	20.00		mg/L Ca	1	4/5/2021 12:59:54 PM
SPECIFIC GRAVITY						Analyst: JRR
Specific Gravity	0.9940	0			1	4/7/2021 10:10:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	535	100	*D	mg/L	1	4/7/2021 2:14:00 PM

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

Qualifiers:

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

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

Page 1 of 16

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-9

Project: Gallegos Canyon Unit 170 **Collection Date:** 3/31/2021 10:50:00 AM

Lab ID: 2104008-002 Matrix: AQUEOUS Received Date: 4/1/2021 8:00:00 AM

Applyons

Page 11 Ougl Units DE Date Applyone

Analyses	Result	RL Ç	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.52	0.50		mg/L	5	4/1/2021 9:03:09 PM
Chloride	18	2.5		mg/L	5	4/1/2021 9:03:09 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	4/1/2021 9:03:09 PM
Bromide	ND	0.50		mg/L	5	4/1/2021 9:03:09 PM
Nitrogen, Nitrate (As N)	0.73	0.50		mg/L	5	4/1/2021 9:03:09 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/1/2021 9:03:09 PM
Sulfate	200	2.5		mg/L	5	4/1/2021 9:03:09 PM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	160	5.0		mg/L	5	4/6/2021 1:31:03 PM
Iron	23	2.5	*	mg/L	50	4/6/2021 3:04:46 PM
Magnesium	21	1.0		mg/L	1	4/6/2021 1:29:45 PM
Potassium	5.4	1.0		mg/L	1	4/6/2021 1:29:45 PM
Sodium	69	1.0		mg/L	1	4/7/2021 12:50:30 PM
SM2340B: HARDNESS						Analyst: ELS
Hardness (As CaCO3)	500	6.6		mg/L	1	4/6/2021 11:34:00 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: MH
Conductivity	990	10		µmhos/c	1	4/5/2021 1:17:08 PM
SM4500-H+B / 9040C: PH						Analyst: MH
pH	7.39		Н	pH units	1	4/5/2021 1:17:08 PM
SM2320B: ALKALINITY						Analyst: MH
Bicarbonate (As CaCO3)	332.0	20.00		mg/L Ca	1	4/5/2021 1:17:08 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	4/5/2021 1:17:08 PM
Total Alkalinity (as CaCO3)	332.0	20.00		mg/L Ca	1	4/5/2021 1:17:08 PM
SPECIFIC GRAVITY						Analyst: JRR
Specific Gravity	0.9938	0			1	4/7/2021 10:10:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	630	100	*D	mg/L	1	4/7/2021 2:14:00 PM

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

Qualifiers:

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

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

Page 2 of 16

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-7

Project: Gallegos Canyon Unit 170
 Collection Date: 3/31/2021 11:20:00 AM

 Lab ID: 2104008-003
 Matrix: AQUEOUS
 Received Date: 4/1/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.53	0.50		mg/L	5	4/1/2021 9:27:58 PM
Chloride	16	2.5		mg/L	5	4/1/2021 9:27:58 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	4/1/2021 9:27:58 PM
Bromide	0.54	0.50		mg/L	5	4/1/2021 9:27:58 PM
Nitrogen, Nitrate (As N)	1.2	0.50		mg/L	5	4/1/2021 9:27:58 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/1/2021 9:27:58 PM
Sulfate	840	25	*	mg/L	50	4/7/2021 11:54:54 PM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	360	5.0		mg/L	5	4/6/2021 1:33:42 PM
Iron	10	1.0	*	mg/L	20	4/6/2021 3:06:23 PM
Magnesium	38	1.0		mg/L	1	4/6/2021 1:32:24 PM
Potassium	4.5	1.0		mg/L	1	4/6/2021 1:32:24 PM
Sodium	110	5.0		mg/L	5	4/7/2021 12:51:51 PM
SM2340B: HARDNESS						Analyst: ELS
Hardness (As CaCO3)	1100	6.6		mg/L	1	4/6/2021 11:34:00 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: MH
Conductivity	1900	10		µmhos/c	1	4/5/2021 1:32:35 PM
SM4500-H+B / 9040C: PH						Analyst: MH
рН	7.29		Н	pH units	1	4/5/2021 1:32:35 PM
SM2320B: ALKALINITY						Analyst: MH
Bicarbonate (As CaCO3)	278.2	20.00		mg/L Ca	1	4/5/2021 1:32:35 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	4/5/2021 1:32:35 PM
Total Alkalinity (as CaCO3)	278.2	20.00		mg/L Ca	1	4/5/2021 1:32:35 PM
SPECIFIC GRAVITY						Analyst: JRR
Specific Gravity	1.002	0			1	4/7/2021 10:10:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1580	100	*D	mg/L	1	4/7/2021 2:14:00 PM

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

Qualifiers:

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

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

Page 3 of 16

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-8

 Project:
 Gallegos Canyon Unit 170
 Collection Date: 3/31/2021 11:45:00 AM

 Lab ID:
 2104008-004
 Matrix: AQUEOUS
 Received Date: 4/1/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.53	0.50		mg/L	5	4/1/2021 10:17:35 PM
Chloride	8.2	2.5		mg/L	5	4/1/2021 10:17:35 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	4/1/2021 10:17:35 PM
Bromide	ND	0.50		mg/L	5	4/1/2021 10:17:35 PM
Nitrogen, Nitrate (As N)	1.4	0.50		mg/L	5	4/1/2021 10:17:35 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/1/2021 10:17:35 PM
Sulfate	1100	25	*	mg/L	50	4/8/2021 12:07:49 AM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	400	5.0		mg/L	5	4/6/2021 1:36:23 PM
Iron	12	1.0	*	mg/L	20	4/6/2021 3:07:59 PM
Magnesium	38	1.0		mg/L	1	4/6/2021 1:35:02 PM
Potassium	5.2	1.0		mg/L	1	4/6/2021 1:35:02 PM
Sodium	100	5.0		mg/L	5	4/7/2021 12:53:10 PM
SM2340B: HARDNESS						Analyst: ELS
Hardness (As CaCO3)	1200	6.6		mg/L	1	4/6/2021 11:34:00 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: MH
Conductivity	2200	10		µmhos/c	1	4/5/2021 1:46:34 PM
SM4500-H+B / 9040C: PH						Analyst: MH
рН	7.40		Н	pH units	1	4/5/2021 1:46:34 PM
SM2320B: ALKALINITY						Analyst: MH
Bicarbonate (As CaCO3)	217.1	20.00		mg/L Ca	1	4/5/2021 1:46:34 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	4/5/2021 1:46:34 PM
Total Alkalinity (as CaCO3)	217.1	20.00		mg/L Ca	1	4/5/2021 1:46:34 PM
SPECIFIC GRAVITY						Analyst: JRR
Specific Gravity	0.9997	0			1	4/7/2021 10:10:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1990	100	*D	mg/L	1	4/7/2021 2:14:00 PM

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

Qualifiers:

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

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

Page 4 of 16

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-5

 Project:
 Gallegos Canyon Unit 170
 Collection Date: 3/31/2021 12:45:00 PM

 Lab ID:
 2104008-005
 Matrix: AQUEOUS
 Received Date: 4/1/2021 8:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.55	0.50		mg/L	5	4/1/2021 10:42:24 PM
Chloride	7.5	2.5		mg/L	5	4/1/2021 10:42:24 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	4/1/2021 10:42:24 PM
Bromide	0.82	0.50		mg/L	5	4/1/2021 10:42:24 PM
Nitrogen, Nitrate (As N)	0.68	0.50		mg/L	5	4/1/2021 10:42:24 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/1/2021 10:42:24 PM
Sulfate	1100	25	*	mg/L	50	4/8/2021 12:20:41 AM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	390	5.0		mg/L	5	4/6/2021 1:39:01 PM
Iron	29	2.5	*	mg/L	50	4/6/2021 3:15:17 PM
Magnesium	52	1.0		mg/L	1	4/6/2021 1:37:41 PM
Potassium	8.0	1.0		mg/L	1	4/6/2021 1:37:41 PM
Sodium	98	5.0		mg/L	5	4/7/2021 12:54:31 PM
SM2340B: HARDNESS						Analyst: ELS
Hardness (As CaCO3)	1200	6.6		mg/L	1	4/6/2021 11:34:00 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: MH
Conductivity	2200	10		µmhos/c	1	4/5/2021 1:58:39 PM
SM4500-H+B / 9040C: PH						Analyst: MH
рН	7.45		Н	pH units	1	4/5/2021 1:58:39 PM
SM2320B: ALKALINITY						Analyst: MH
Bicarbonate (As CaCO3)	190.6	20.00		mg/L Ca	1	4/5/2021 1:58:39 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	4/5/2021 1:58:39 PM
Total Alkalinity (as CaCO3)	190.6	20.00		mg/L Ca	1	4/5/2021 1:58:39 PM
SPECIFIC GRAVITY						Analyst: JRR
Specific Gravity	0.9970	0			1	4/7/2021 10:10:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1840	100	*D	mg/L	1	4/7/2021 2:14:00 PM

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

Qualifiers:

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

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

Page 5 of 16

2104008-006

Lab ID:

Analytical Report Lab Order 2104008

Received Date: 4/1/2021 8:00:00 AM

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-3A

Project: Gallegos Canyon Unit 170 Collection Date: 3/31/2021 1:05:00 PM Matrix: AQUEOUS

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Fluoride 0.50 0.50 mg/L 5 4/1/2021 11:07:14 PM 5 Chloride 12 2.5 mg/L 4/1/2021 11:07:14 PM Nitrogen, Nitrite (As N) ND 0.50 mg/L 5 4/1/2021 11:07:14 PM **Bromide** 0.52 0.50 mg/L 5 4/1/2021 11:07:14 PM 0.50 5 Nitrogen, Nitrate (As N) 0.71 mg/L 4/1/2021 11:07:14 PM Phosphorus, Orthophosphate (As P) ND 2.5 mg/L 5 4/1/2021 11:07:14 PM Sulfate 850 25 50 4/8/2021 12:33:34 AM mg/L **EPA METHOD 200.7: METALS** Analyst: ELS Calcium 380 5.0 mg/L 5 4/6/2021 1:46:34 PM Iron 31 2.5 mg/L 50 4/6/2021 3:16:55 PM Magnesium 41 1.0 mg/L 4/6/2021 1:45:12 PM 1 7.5 Potassium mg/L 4/6/2021 1:45:12 PM 1.0 1 Sodium 73 1.0 mg/L 1 4/7/2021 12:55:50 PM SM2340B: HARDNESS Analyst: ELS Hardness (As CaCO3) 1100 6.6 mg/L 1 4/6/2021 11:34:00 AM **SM2510B: SPECIFIC CONDUCTANCE** Analyst: MH Conductivity 1900 10 µmhos/c 1 4/5/2021 2:09:51 PM Analyst: MH SM4500-H+B / 9040C: PH рН 7.38 pH units 1 4/5/2021 2:09:51 PM Analyst: MH **SM2320B: ALKALINITY** Bicarbonate (As CaCO3) 220.7 20.00 mg/L Ca 1 4/5/2021 2:09:51 PM Carbonate (As CaCO3) mg/L Ca 1 4/5/2021 2:09:51 PM ND 2.000 mg/L Ca 1 Total Alkalinity (as CaCO3) 4/5/2021 2:09:51 PM 220.7 20.00 **SPECIFIC GRAVITY** Analyst: JRR Specific Gravity 0.9975 4/7/2021 10:10:00 AM 0 1 SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KS Total Dissolved Solids *D 4/7/2021 2:14:00 PM 1570 100 mg/L

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

1

- E Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 6 of 16

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-4A

Project: Gallegos Canyon Unit 170 Collection Date: 3/31/2021 1:30:00 PM Lab ID: 2104008-007 Matrix: AQUEOUS Received Date: 4/1/2021 8:00:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Fluoride 0.52 0.50 mg/L 5 4/1/2021 11:32:03 PM Chloride 22 2.5 mg/L 5 4/1/2021 11:32:03 PM 4/1/2021 11:32:03 PM Nitrogen, Nitrite (As N) ND 0.50 mg/L 5 **Bromide** ND 0.50 mg/L 5 4/1/2021 11:32:03 PM ND 0.50 5 Nitrogen, Nitrate (As N) mg/L 4/1/2021 11:32:03 PM Phosphorus, Orthophosphate (As P) ND 2.5 mg/L 5 4/1/2021 11:32:03 PM Sulfate 200 5 4/1/2021 11:32:03 PM 2.5 mg/L **EPA METHOD 200.7: METALS** Analyst: ELS Calcium 220 5.0 mg/L 5 4/6/2021 1:49:14 PM Iron 50 5.0 mg/L 100 4/6/2021 3:18:32 PM Magnesium 30 1.0 mg/L 4/6/2021 1:47:54 PM 1 Potassium 7.9 4/6/2021 1:47:54 PM 1.0 mg/L 1 Sodium 70 1.0 mg/L 1 4/7/2021 1:04:47 PM SM2340B: HARDNESS Analyst: ELS Hardness (As CaCO3) 670 6.6 mg/L 1 4/6/2021 11:34:00 AM **SM2510B: SPECIFIC CONDUCTANCE** Analyst: MH Conductivity 1200 10 µmhos/c 1 4/5/2021 2:28:07 PM Analyst: MH SM4500-H+B / 9040C: PH рН 7.43 pH units 1 4/5/2021 2:28:07 PM Analyst: MH **SM2320B: ALKALINITY** Bicarbonate (As CaCO3) 417.6 20.00 mg/L Ca 1 4/5/2021 2:28:07 PM Carbonate (As CaCO3) mg/L Ca 1 ND 2.000 4/5/2021 2:28:07 PM mg/L Ca 1 Total Alkalinity (as CaCO3) 4/5/2021 2:28:07 PM 417.6 20.00 **SPECIFIC GRAVITY** Analyst: JRR Specific Gravity 0.9993 0 4/7/2021 10:10:00 AM 1 SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KS Total Dissolved Solids *D 4/7/2021 2:14:00 PM 670 200 mg/L

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

1

- E Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 7 of 16

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW-2A

 Project:
 Gallegos Canyon Unit 170
 Collection Date: 3/31/2021 1:55:00 PM

 Lab ID:
 2104008-008
 Matrix: AQUEOUS
 Received Date: 4/1/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.55	0.50		mg/L	5	4/2/2021 12:46:30 AM
Chloride	100	10		mg/L	20	4/2/2021 1:23:43 AM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	4/2/2021 12:46:30 AM
Bromide	1.5	0.50		mg/L	5	4/2/2021 12:46:30 AM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/2/2021 12:46:30 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/2/2021 12:46:30 AM
Sulfate	880	10	*	mg/L	20	4/2/2021 1:23:43 AM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	380	5.0		mg/L	5	4/6/2021 1:51:55 PM
Iron	100	10	*	mg/L	200	4/6/2021 3:20:09 PM
Magnesium	67	1.0		mg/L	1	4/6/2021 1:50:34 PM
Potassium	11	1.0		mg/L	1	4/6/2021 1:50:34 PM
Sodium	230	5.0		mg/L	5	4/7/2021 1:06:10 PM
SM2340B: HARDNESS						Analyst: ELS
Hardness (As CaCO3)	1200	6.6		mg/L	1	4/6/2021 11:34:00 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: MH
Conductivity	2400	10		µmhos/c	1	4/5/2021 2:46:16 PM
SM4500-H+B / 9040C: PH						Analyst: MH
рН	7.38		Н	pH units	1	4/5/2021 2:46:16 PM
SM2320B: ALKALINITY						Analyst: MH
Bicarbonate (As CaCO3)	450.3	20.00		mg/L Ca	1	4/5/2021 2:46:16 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	4/5/2021 2:46:16 PM
Total Alkalinity (as CaCO3)	450.3	20.00		mg/L Ca	1	4/5/2021 2:46:16 PM
SPECIFIC GRAVITY						Analyst: JRR
Specific Gravity	0.9960	0			1	4/7/2021 10:10:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	1770	200	*D	mg/L	1	4/7/2021 2:14:00 PM

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

Qualifiers:

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

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

Page 8 of 16

Hall Environmental Analysis Laboratory, Inc.

52

1.0

WO#: 2104008 12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: MB-59170 SampType: MBLK TestCode: EPA Method 200.7: Metals

Client ID: PBW Batch ID: 59170 RunNo: 76490

Prep Date: 4/2/2021 Analysis Date: 4/6/2021 SeqNo: 2709716 Units: mg/L

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

Calcium ND 1.0 ND 0.050 Iron Magnesium ND 1.0 Potassium ND 1.0 Sodium ND 1.0

SampType: LCSLL Sample ID: LLLCS-59170 TestCode: EPA Method 200.7: Metals Client ID: Batch ID: 59170 RunNo: 76490 **BatchQC** Prep Date: 4/2/2021 Analysis Date: 4/6/2021 SeqNo: 2709806 Units: mg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.5000 104 50 ND 1.0 0 150 Calcium ND 0.050 0.02000 0 123 50 150 Iron 0 104 50 ND 1.0 0.5000 150 Magnesium ND 0 94.4 50 Potassium 1.0 0.5000 150 0 Sodium ND 1.0 0.5000 121 50 150

Sample ID: LCS-59170 SampType: LCS TestCode: EPA Method 200.7: Metals Client ID: LCSW Batch ID: 59170 RunNo: 76490 Prep Date: 4/2/2021 Analysis Date: 4/6/2021 SeqNo: 2709808 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 100 85 50 1.0 50.00 115 Calcium O 0.49 0.050 0.5000 0 98.1 85 115 Iron 50.00 0 101 85 Magnesium 51 1.0 115 Potassium 50 1.0 50.00 0 99.3 85 115 Sodium 50.00 0 104

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

85

115

Е Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 9 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104008**

12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: MB Client ID: PBW	·	SampType: mblk Batch ID: R76406			tCode: El		300.0: Anions	3			
		Analysis Date: 4/1/2021					Haita				
Prep Date:	,			3	SeqNo: 2	706094	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Fluoride	ND	0.10									
Chloride	ND	0.50									
Nitrogen, Nitrite (As N)	ND	0.10									
Bromide	ND	0.10									
Nitrogen, Nitrate (As N)	ND	0.10									
Phosphorus, Orthophosphate (As P	ND	0.50									
Sulfate	ND	0.50									

Sample ID: LCS	SampT	ype: Ics	•	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSW	Batcl	n ID: R7	6406	F	RunNo: 70	6406				
Prep Date:	Analysis D	Date: 4/	1/2021	9	SeqNo: 2	706095	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.48	0.10	0.5000	0	95.1	90	110			
Chloride	4.8	0.50	5.000	0	95.0	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	99.6	90	110			
Bromide	2.4	0.10	2.500	0	98.0	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			
Phosphorus, Orthophosphate (As P	4.7	0.50	5.000	0	93.4	90	110			
Sulfate	9.8	0.50	10.00	0	97.8	90	110			

Sample ID: MB	SampT	ype: m k	olk	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: PBW	Batcl	n ID: A7	6406	F	RunNo: 7	6406				
Prep Date:	Analysis D	Date: 4/	1/2021	5	SeqNo: 2	706153	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P	ND	0.50								
Sulfate	ND	0.50								

Sample ID: LCS	SampT	ype: Ics	;	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: LCSW	Batch	ID: A7	6406	F	RunNo: 7	6406				
Prep Date:	Analysis D	ate: 4/	2/2021	S	SeqNo: 2	706154	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.47	0.10	0.5000	0	94.4	90	110			

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

- 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 10 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104008**

12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: LCS	SampT	ype: Ics	1	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: LCSW	Batcl	n ID: A7	6406	F	RunNo: 7	6406				
Prep Date:	Analysis D	Date: 4/	2/2021	8	SeqNo: 2	706154	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.2	90	110			
Nitrogen, Nitrite (As N)	0.99	0.10	1.000	0	98.5	90	110			
Bromide	2.4	0.10	2.500	0	97.1	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			
Phosphorus, Orthophosphate (As P	4.6	0.50	5.000	0	92.6	90	110			
Sulfate	9.7	0.50	10.00	0	96.7	90	110			

Sample ID: 2104008-008AMS	SampT	ype: ms	;	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: MW-2A	Batch	n ID: A7	6406	R	RunNo: 70	6406				
Prep Date:	Analysis D	ate: 4/	2/2021	S	SeqNo: 2	706158	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.7	0.50	2.500	0.5465	84.5	73.3	111			
Nitrogen, Nitrite (As N)	4.9	0.50	5.000	0	98.8	75.5	113			
Bromide	14	0.50	12.50	1.504	98.1	85.9	106			
Nitrogen, Nitrate (As N)	13	0.50	12.50	0.1875	102	86.8	110			
Phosphorus, Orthophosphate (As P	24	2.5	25.00	0	96.3	70.5	118			

Sample ID: 2104008-008AMS	D SampT	ype: ms	sd	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID: MW-2A	Batch	n ID: A7	6406	F	RunNo: 7	6406				
Prep Date:	Analysis D	oate: 4/	2/2021	9	SeqNo: 2	706159	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.7	0.50	2.500	0.5465	86.1	73.3	111	1.51	20	
Nitrogen, Nitrite (As N)	4.9	0.50	5.000	0	98.0	75.5	113	0.793	20	
Bromide	14	0.50	12.50	1.504	97.3	85.9	106	0.722	20	
Nitrogen, Nitrate (As N)	13	0.50	12.50	0.1875	101	86.8	110	0.966	20	
Phosphorus, Orthophosphate (As P	24	2.5	25.00	0	96.2	70.5	118	0.116	20	

Sample ID: MB	SampT	ype: m b	olk	Tes	tCode: El	PA Method	300.0: Anions	6		
Client ID: PBW	Batch	ID: A7	6513	F	RunNo: 7	6513				
Prep Date:	Analysis D	ate: 4/	7/2021	S	SeqNo: 2	711576	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Culfata	ND	0.50								

Sulfate ND 0.50

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104008**

12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: A76513 RunNo: 76513

Prep Date: Analysis Date: 4/7/2021 SeqNo: 2711577 Units: mg/L

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

Sulfate 9.9 0.50 10.00 0 98.8 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 12 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104008**

12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: Ics-1 99.5uS eC SampType: Ics TestCode: SM2510B: Specific Conductance

Client ID: LCSW Batch ID: R76453 RunNo: 76453

Prep Date: Analysis Date: 4/5/2021 SeqNo: 2708648 Units: µmhos/cm

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

Conductivity 100 10 99.50 0 101 85 115

Sample ID: Ics-2 99.5u eC SampType: Ics TestCode: SM2510B: Specific Conductance

Client ID: LCSW Batch ID: R76453 RunNo: 76453

Prep Date: Analysis Date: 4/5/2021 SeqNo: 2708674 Units: µmhos/cm

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

Conductivity 100 10 99.50 0 104 85 115

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104008**

12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: mb-1 alk SampType: mblk TestCode: SM2320B: Alkalinity

Client ID: PBW Batch ID: R76453 RunNo: 76453

Prep Date: Analysis Date: 4/5/2021 SeqNo: 2708714 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) ND 20.00

Sample ID: Ics-1 alk SampType: Ics TestCode: SM2320B: Alkalinity

Client ID: LCSW Batch ID: R76453 RunNo: 76453

Prep Date: Analysis Date: 4/5/2021 SeqNo: 2708715 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) 72.28 20.00 80.00 0 90.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 16

Hall Environmental Analysis Laboratory, Inc.

0.9997

WO#: **2104008**

0.572

20

12-Apr-21

Client: SIMCOE

Specific Gravity

Project: Gallegos Canyon Unit 170

Sample ID: 2104008-001ADUP SampType: DUP TestCode: Specific Gravity

0

Client ID: MW-6 Batch ID: R76527 RunNo: 76527

Prep Date: Analysis Date: 4/7/2021 SeqNo: 2711236 Units:

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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 15 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104008**

12-Apr-21

Client: SIMCOE

Project: Gallegos Canyon Unit 170

Sample ID: MB-59238 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **PBW** Batch ID: **59238** RunNo: **76510**

Prep Date: 4/6/2021 Analysis Date: 4/7/2021 SegNo: 2710850 Units: mg/L

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

Total Dissolved Solids ND 20.0

Sample ID: LCS-59238 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 59238 RunNo: 76510

Prep Date: 4/6/2021 Analysis Date: 4/7/2021 SeqNo: 2710851 Units: mg/L

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

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

Sample ID: 2104008-004ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: MW-8 Batch ID: 59238 RunNo: 76510

Prep Date: 4/6/2021 Analysis Date: 4/7/2021 SeqNo: 2710894 Units: mg/L

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

Total Dissolved Solids 1940 100 2.29 10 *D

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

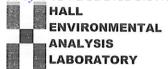
E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 16 of 16



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name:	SIMCOE	Work Order Numb	per: 2104008		RcptNo: 1	
Received By:	Juan Rojas	4/1/2021 8:00:00 A	М	Grana g		
Completed By:	Sean Livingston	4/1/2021 8:42:30 AI	М	Juaning Sala	,	
Reviewed By:	SPA 41.71			Sala	3t-	
Chain of Cus	<u>tody</u>					
1. Is Chain of Cu	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In						
3. Was an attem	pt made to cool the samples	5?	Yes 🗸	No 🗌	NA 🗆	
4. Were all samp	oles received at a temperatu	re of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sam	ple volume for indicated test	(s)?	Yes 🗸	No 🗌		
7. Are samples (e	except VOA and ONG) prope	erly preserved?	Yes 🗸	No 🗌		
8. Was preservat	tive added to bottles?		Yes	No 🗸	NA 🗆	
9. Received at lea	ast 1 vial with headspace <1	/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any sam	nple containers received bro	ken?	Yes	No 🗸	#	
			_		# of preserved bottles checked	
	ork match bottle labels? ancies on chain of custody)		Yes 🗸	No 🔲	for pH:	2 unless noted)
	correctly identified on Chain of	of Custody?	Yes 🗸	No 🗆	A II 1 10)O
	analyses were requested?	3 000000000000000000000000000000000000	Yes 🗸	No 🗆		\ /
	ng times able to be met?		Yes 🗸	No 🗆	Checked by:	3/1/1/2
	ing (if applicable)					IO
	tified of all discrepancies wit	n this order?	Yes	No 🗌	NA 🗸	
Person	Notified:	Date:	W	Market Market Services		
By Who	j	Via:	Programme and the second	hone Fax	In Person	
Regardi	ng:					
Client In	structions:					
16. Additional ren	narks:					
17. Cooler Inform	mation					
Cooler No	Allegations and a second second	Seal Intact Seal No	Seal Date	Signed By		
1	0.6 Good					

Chaii	n-of-Cı	Chain-of-Custody Record	Turn-Around Time:	Time:				5					THEFT		leceiv
Client: Sirrage	KOD, CL	ζ,	💢 Standard	□ Rush					YS	SI		SOR SOR	ANALYSTS LABORATOR	AL VX	ed by
a.	0	HAN DONAL	Project Name:					www.	www.hallenvironmental.com	ironme	ental.c	E			OCI
Mailing Address:	1190	1199 Main A. Ste 101	Gallians	GANUM	Gran Unit 170	490	4901 Hawkins NE	ins NE		ndner	dne, N	Albuquerque, NM 87109	6		D: 1/.
	DILAGIA	mas Co 81201	Project #:	7	**************************************	Tel.	. 505-3	505-345-3975		Fax 5(505-345-4107	-4107			21/2
Phone #: 52	5-33	glip.	TBI	Q					Anal		Request				022
mail or Fax#	Stevenin	email or Fax#: Storen, moskaletkkrangu, com Project Manager:	Project Mana	ger:		_			[†] O!	-	(ţu	,			2:18
QA/QC Package: ₩ Standard	.;	☐ Level 4 (Full Validation)	of the state of th	P. Marks	2		bcB.a	SMIS	PO₄, S		əsdA\t	S			8:55 PN
Accreditation:		☐ Az Compliance	Sampler:	2 2 2				3270	10 ⁵ '		uəse	or)			1
□ NELAC	□ Other		On Ice:	□-Yes	oN □							Ho			
☐ EDD (Type)	(# of Coolers:									1			
1			Cooler Temp(including CF):	including CF): 0.8	5-0,7-6.6 (°C)							UQ!			
Date Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	X3TEX /	9081 P. M) 803	d sHA	3, F, E	V) 0558	2) 0728 - Otal Co	m IY			
63		MW-6		HABSTCO	J		-		_			+		+	
1 10:550		MW-9)	5-	200										
11:30		L-CAW			2003										
11:45	-	MW-8			HCO										
13:45	10	MW-5			500						- 2				- 7
1:05		MW-3A			000									_	
1:30		MW-4A			±00								, £		
V 1:55	>	MW-aA	\rightarrow		900				N. C.			>			
												100			
												100 miles			
Date: Time:	Relinquished by:	ed by:	Received by:	Via:	Date Time	Remarks:									
Date: Time:	Relinquished by	ed by:	Received by:	Via:	Date Time										Page
3/21/1810	M	Uph Walk	1	MUNIAN	4/121 8-190										e 27
If necessa	iv. samples sub	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories	ontracted to other ac	credited laboratorie	This serves a	s possibility. Any sub-contracted data will be clearly notated on the analytical report	no sub-con	racted da	ad lliw et	rlearly n	otated or	ylene out	ical report		of



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 170 OrderNo.: 2108943

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/18/2021 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #2A

 Project:
 GCU 170
 Collection Date: 8/17/2021 12:45:00 PM

 Lab ID:
 2108943-001
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.57	0.50		mg/L	5	8/18/2021 4:03:41 PM
Chloride	35	2.5		mg/L	5	8/18/2021 4:03:41 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	8/18/2021 4:03:41 PM
Bromide	ND	0.50		mg/L	5	8/18/2021 4:03:41 PM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	8/18/2021 4:03:41 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	8/18/2021 4:03:41 PM
Sulfate	480	10	*	mg/L	20	8/18/2021 4:16:34 PM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	260	5.0		mg/L	5	8/24/2021 10:28:34 AM
Magnesium	30	1.0		mg/L	1	8/24/2021 10:24:22 AM
Potassium	2.6	1.0		mg/L	1	8/24/2021 10:24:22 AM
Sodium	85	5.0		mg/L	5	8/24/2021 10:28:34 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: CAS
Conductivity	1600	10		µmhos/c	1	8/19/2021 1:06:05 PM
SM4500-H+B / 9040C: PH						Analyst: CAS
рН	7.33		Н	pH units	1	8/19/2021 1:06:05 PM
SM2320B: ALKALINITY						Analyst: CAS
Bicarbonate (As CaCO3)	407.2	20.00		mg/L Ca	1	8/19/2021 1:06:05 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	8/19/2021 1:06:05 PM
Total Alkalinity (as CaCO3)	407.2	20.00		mg/L Ca	1	8/19/2021 1:06:05 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMT
Total Dissolved Solids	870	200	*D	mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 1 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #3A

 Project:
 GCU 170
 Collection Date: 8/17/2021 1:00:00 PM

 Lab ID:
 2108943-002
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.55	0.50		mg/L	5	8/18/2021 4:29:27 PM
Chloride	13	2.5		mg/L	5	8/18/2021 4:29:27 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	8/18/2021 4:29:27 PM
Bromide	ND	0.50		mg/L	5	8/18/2021 4:29:27 PM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	8/18/2021 4:29:27 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	8/18/2021 4:29:27 PM
Sulfate	810	10	*	mg/L	20	8/18/2021 4:42:20 PM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	360	5.0		mg/L	5	8/24/2021 10:41:52 AM
Magnesium	30	1.0		mg/L	1	8/24/2021 10:37:41 AM
Potassium	3.7	1.0		mg/L	1	8/24/2021 10:37:41 AM
Sodium	70	5.0		mg/L	5	8/24/2021 10:41:52 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: CAS
Conductivity	1800	10		µmhos/c	1	8/19/2021 1:24:14 PM
SM4500-H+B / 9040C: PH						Analyst: CAS
рН	7.41		Н	pH units	1	8/19/2021 1:24:14 PM
SM2320B: ALKALINITY						Analyst: CAS
Bicarbonate (As CaCO3)	272.6	20.00		mg/L Ca	1	8/19/2021 1:24:14 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	8/19/2021 1:24:14 PM
Total Alkalinity (as CaCO3)	272.6	20.00		mg/L Ca	1	8/19/2021 1:24:14 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMT
Total Dissolved Solids	1250	200	*D	mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 2 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #4A

 Project:
 GCU 170
 Collection Date: 8/17/2021 12:20:00 PM

 Lab ID:
 2108943-003
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL Qı	ual Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Fluoride	0.69	0.50	mg/L	5	8/18/2021 4:55:13 PM
Chloride	48	2.5	mg/L	5	8/18/2021 4:55:13 PM
Nitrogen, Nitrite (As N)	ND	0.50	mg/L	5	8/18/2021 4:55:13 PM
Bromide	0.62	0.50	mg/L	5	8/18/2021 4:55:13 PM
Nitrogen, Nitrate (As N)	ND	0.50	mg/L	5	8/18/2021 4:55:13 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	mg/L	5	8/18/2021 4:55:13 PM
Sulfate	260	10	* mg/L	20	8/18/2021 5:08:06 PM
EPA METHOD 200.7: METALS					Analyst: ELS
Calcium	190	5.0	mg/L	5	8/24/2021 10:48:18 AM
Magnesium	23	1.0	mg/L	1	8/24/2021 10:46:53 AM
Potassium	2.3	1.0	mg/L	1	8/24/2021 10:46:53 AM
Sodium	110	5.0	mg/L	5	8/24/2021 10:48:18 AM
SM2510B: SPECIFIC CONDUCTANCE					Analyst: CAS
Conductivity	1300	10	μmhos	/c 1	8/19/2021 1:51:36 PM
SM4500-H+B / 9040C: PH					Analyst: CAS
рН	7.44		H pH unit	s 1	8/19/2021 1:51:36 PM
SM2320B: ALKALINITY					Analyst: CAS
Bicarbonate (As CaCO3)	413.0	20.00	mg/L C	a 1	8/19/2021 1:51:36 PM
Carbonate (As CaCO3)	ND	2.000	mg/L C	a 1	8/19/2021 1:51:36 PM
Total Alkalinity (as CaCO3)	413.0	20.00	mg/L C	a 1	8/19/2021 1:51:36 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JMT
Total Dissolved Solids	780	200	*D mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 3 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #5

 Project:
 GCU 170
 Collection Date: 8/17/2021 1:50:00 PM

 Lab ID:
 2108943-004
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Fluoride	ND	0.50	mg/L	5	8/18/2021 5:20:59 PM
Chloride	21	2.5	mg/L	5	8/18/2021 5:20:59 PM
Nitrogen, Nitrite (As N)	ND	0.50	mg/L	5	8/18/2021 5:20:59 PM
Bromide	ND	0.50	mg/L	5	8/18/2021 5:20:59 PM
Nitrogen, Nitrate (As N)	ND	0.50	mg/L	5	8/18/2021 5:20:59 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	mg/L	5	8/18/2021 5:20:59 PM
Sulfate	1000	25	* mg/L	50	8/20/2021 2:46:06 AM
EPA METHOD 200.7: METALS					Analyst: ELS
Calcium	400	5.0	mg/L	5	8/24/2021 10:56:23 AM
Magnesium	49	1.0	mg/L	1	8/24/2021 10:54:57 AM
Potassium	18	1.0	mg/L	1	8/24/2021 10:54:57 AM
Sodium	120	5.0	mg/L	5	8/24/2021 10:56:23 AM
SM2510B: SPECIFIC CONDUCTANCE					Analyst: CAS
Conductivity	2300	10	µmhos/	c 1	8/19/2021 2:09:43 PM
SM4500-H+B / 9040C: PH					Analyst: CAS
рН	7.41	I	H pH units	s 1	8/19/2021 2:09:43 PM
SM2320B: ALKALINITY					Analyst: CAS
Bicarbonate (As CaCO3)	340.5	20.00	mg/L C	a 1	8/19/2021 2:09:43 PM
Carbonate (As CaCO3)	ND	2.000	mg/L C	a 1	8/19/2021 2:09:43 PM
Total Alkalinity (as CaCO3)	340.5	20.00	mg/L C	a 1	8/19/2021 2:09:43 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JMT
Total Dissolved Solids	1780	200 *	D mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 4 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #6

 Project:
 GCU 170
 Collection Date: 8/17/2021 12:30:00 PM

 Lab ID:
 2108943-005
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Fluoride	0.59	0.50	mg/L	5	8/18/2021 6:12:31 PM
Chloride	4.0	2.5	mg/L	5	8/18/2021 6:12:31 PM
Nitrogen, Nitrite (As N)	ND	0.50	mg/L	5	8/18/2021 6:12:31 PM
Bromide	ND	0.50	mg/L	5	8/18/2021 6:12:31 PM
Nitrogen, Nitrate (As N)	ND	0.50	mg/L	5	8/18/2021 6:12:31 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	mg/L	5	8/18/2021 6:12:31 PM
Sulfate	72	2.5	mg/L	5	8/18/2021 6:12:31 PM
EPA METHOD 200.7: METALS					Analyst: ELS
Calcium	190	5.0	mg/L	5	8/24/2021 10:59:28 AM
Magnesium	20	1.0	mg/L	1	8/24/2021 10:58:03 AM
Potassium	1.1	1.0	mg/L	1	8/24/2021 10:58:03 AM
Sodium	43	1.0	mg/L	1	8/24/2021 10:58:03 AM
SM2510B: SPECIFIC CONDUCTANCE					Analyst: CAS
Conductivity	1000	10	µmhos	/c 1	8/19/2021 2:25:20 PM
SM4500-H+B / 9040C: PH					Analyst: CAS
рН	7.32	ļ	H pH unit	s 1	8/19/2021 2:25:20 PM
SM2320B: ALKALINITY					Analyst: CAS
Bicarbonate (As CaCO3)	511.0	20.00	mg/L C	a 1	8/19/2021 2:25:20 PM
Carbonate (As CaCO3)	ND	2.000	mg/L C	a 1	8/19/2021 2:25:20 PM
Total Alkalinity (as CaCO3)	511.0	20.00	mg/L C	a 1	8/19/2021 2:25:20 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JMT
Total Dissolved Solids	580	200 *	D mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 5 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #7

 Project:
 GCU 170
 Collection Date: 8/17/2021 1:20:00 PM

 Lab ID:
 2108943-006
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL Q	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.58	0.50		mg/L	5	8/18/2021 6:38:15 PM
Chloride	14	2.5		mg/L	5	8/18/2021 6:38:15 PM
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	8/18/2021 6:38:15 PM
Bromide	ND	0.50		mg/L	5	8/18/2021 6:38:15 PM
Nitrogen, Nitrate (As N)	0.98	0.50		mg/L	5	8/18/2021 6:38:15 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	8/18/2021 6:38:15 PM
Sulfate	1000	25	*	mg/L	50	8/20/2021 2:58:26 AM
EPA METHOD 200.7: METALS						Analyst: ELS
Calcium	380	5.0		mg/L	5	8/24/2021 11:02:32 AM
Magnesium	35	1.0		mg/L	1	8/24/2021 11:01:08 AM
Potassium	3.5	1.0		mg/L	1	8/24/2021 11:01:08 AM
Sodium	96	5.0		mg/L	5	8/24/2021 11:02:32 AM
SM2510B: SPECIFIC CONDUCTANCE						Analyst: CAS
Conductivity	2000	10		µmhos/c	1	8/19/2021 2:46:21 PM
SM4500-H+B / 9040C: PH						Analyst: CAS
рН	7.46		Н	pH units	1	8/19/2021 2:46:21 PM
SM2320B: ALKALINITY						Analyst: CAS
Bicarbonate (As CaCO3)	242.9	20.00		mg/L Ca	1	8/19/2021 2:46:21 PM
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	8/19/2021 2:46:21 PM
Total Alkalinity (as CaCO3)	242.9	20.00		mg/L Ca	1	8/19/2021 2:46:21 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMT
Total Dissolved Solids	1440	200	*D	mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 6 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #8

 Project:
 GCU 170
 Collection Date: 8/17/2021 1:35:00 PM

 Lab ID:
 2108943-007
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Fluoride	0.56	0.50	mg/L	5	8/18/2021 7:04:01 PM
Chloride	12	2.5	mg/L	5	8/18/2021 7:04:01 PM
Nitrogen, Nitrite (As N)	ND	0.50	mg/L	5	8/18/2021 7:04:01 PM
Bromide	ND	0.50	mg/L	5	8/18/2021 7:04:01 PM
Nitrogen, Nitrate (As N)	0.72	0.50	mg/L	5	8/18/2021 7:04:01 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	mg/L	5	8/18/2021 7:04:01 PM
Sulfate	980	25 *	mg/L	50	8/20/2021 3:10:47 AM
EPA METHOD 200.7: METALS					Analyst: ELS
Calcium	370	5.0	mg/L	5	8/24/2021 11:05:23 AM
Magnesium	31	1.0	mg/L	1	8/24/2021 11:03:57 AM
Potassium	4.3	1.0	mg/L	1	8/24/2021 11:03:57 AM
Sodium	120	5.0	mg/L	5	8/24/2021 11:05:23 AM
SM2510B: SPECIFIC CONDUCTANCE					Analyst: CAS
Conductivity	2000	10	µmhos/d	: 1	8/19/2021 2:58:47 PM
SM4500-H+B / 9040C: PH					Analyst: CAS
рН	7.52	H	d pH units	1	8/19/2021 2:58:47 PM
SM2320B: ALKALINITY					Analyst: CAS
Bicarbonate (As CaCO3)	224.0	20.00	mg/L Ca	1	8/19/2021 2:58:47 PM
Carbonate (As CaCO3)	ND	2.000	mg/L Ca	1	8/19/2021 2:58:47 PM
Total Alkalinity (as CaCO3)	224.0	20.00	mg/L Ca	1	8/19/2021 2:58:47 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JMT
Total Dissolved Solids	1600	100 *[D mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 7 of 16

Date Reported: 8/30/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: SIMCOE Client Sample ID: MW #9

 Project:
 GCU 170
 Collection Date: 8/17/2021 12:05:00 PM

 Lab ID:
 2108943-008
 Matrix: AQUEOUS
 Received Date: 8/18/2021 7:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Fluoride	0.58	0.50	mg/L	5	8/18/2021 7:29:47 PM
Chloride	19	2.5	mg/L	5	8/18/2021 7:29:47 PM
Nitrogen, Nitrite (As N)	ND	0.50	mg/L	5	8/18/2021 7:29:47 PM
Bromide	ND	0.50	mg/L	5	8/18/2021 7:29:47 PM
Nitrogen, Nitrate (As N)	0.52	0.50	mg/L	5	8/18/2021 7:29:47 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	mg/L	5	8/18/2021 7:29:47 PM
Sulfate	240	2.5	mg/L	5	8/18/2021 7:29:47 PM
EPA METHOD 200.7: METALS					Analyst: ELS
Calcium	160	5.0	mg/L	5	8/24/2021 11:08:13 AM
Magnesium	18	1.0	mg/L	1	8/24/2021 11:06:48 AM
Potassium	2.2	1.0	mg/L	1	8/24/2021 11:06:48 AM
Sodium	65	1.0	mg/L	1	8/24/2021 11:06:48 AM
SM2510B: SPECIFIC CONDUCTANCE					Analyst: CAS
Conductivity	1100	10	μmhos	/c 1	8/19/2021 3:10:29 PM
SM4500-H+B / 9040C: PH					Analyst: CAS
рН	7.60		H pH unit	s 1	8/19/2021 3:10:29 PM
SM2320B: ALKALINITY					Analyst: CAS
Bicarbonate (As CaCO3)	339.1	20.00	mg/L C	a 1	8/19/2021 3:10:29 PM
Carbonate (As CaCO3)	ND	2.000	mg/L C	a 1	8/19/2021 3:10:29 PM
Total Alkalinity (as CaCO3)	339.1	20.00	mg/L C	a 1	8/19/2021 3:10:29 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: JMT
Total Dissolved Solids	635	100	*D mg/L	1	8/25/2021 1:56:00 PM

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

Qualifiers:

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

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

Page 8 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108943**

30-Aug-21

Client: SIMCOE
Project: GCU 170

Sample ID: LLLCS-62130	SampT	ype: LC	SLL	TestCode: EPA Method 200.7: Metals									
Client ID: BatchQC	Batch	ID: 62	130	F	RunNo: 8	0750							
Prep Date: 8/23/2021	Analysis D	ate: 8/	24/2021	8	SeqNo: 2	848847	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Calcium	ND	1.0	0.5000	0	97.9	50	150						
Magnesium	ND	1.0	0.5000	0	99.2	50	150						
Potassium	ND	1.0	0.5000	0	96.8	50	150						
Sodium	ND	1.0	0.5000	0	109	50	150						
Sample ID: LCS-62130	SampT	ype: LC	s	Tes	tCode: El	PA Method	200.7: Metals						

Sample ID: LCS-62130	SampT	ype: LC	S	Tes						
Client ID: LCSW	Batch	1D: 62	130	F	RunNo: 8	0750				
Prep Date: 8/23/2021	Analysis D	ate: 8/	24/2021	9	SeqNo: 2	848849	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	47	1.0	50.00	0	94.8	85	115			
Magnesium	49	1.0	50.00	0	97.6	85	115			
Potassium	48	1.0	50.00	0	96.9	85	115			
Sodium	49	1.0	50.00	0	97.3	85	115			

Sample ID: 2108943-001BMS	SampT	ype: MS	MS TestCode: EPA Method 200.7: Metals										
Client ID: MW #2A	Batch	ID: 62	130	R	RunNo: 8	0750							
Prep Date: 8/23/2021	Analysis D	ate: 8/	24/2021	S	SeqNo: 2	848901	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Magnesium	80	1.0	50.00	30.01	99.9	70	130						
Potassium	53	1.0	50.00	2.578	101	70	130						

Sample ID: 2108943-001BMSD	SampT	ampType: MSD TestCode: EPA Method 200.7: Metals								
Client ID: MW #2A	Batch	ID: 62	130	R	RunNo: 8 0	0750				
Prep Date: 8/23/2021	Analysis D	ate: 8/	24/2021	S	SeqNo: 28	848902	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	82	1.0	50.00	30.01	104	70	130	2.32	20	
Potassium	53	1.0	50.00	2.578	102	70	130	0.552	20	

Sample ID: 2108943-001BMS	SampTy	pe: MS	5	Tes	tCode: EF	EPA Method 200.7: Metals								
Client ID: MW #2A	Batch I	D: 62 1	130	F	RunNo: 80	0750								
Prep Date: 8/23/2021	Analysis Da	te: 8/ 2	24/2021	S	SeqNo: 28	848907	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Sodium	140	5.0	50.00	84.96	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

- 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 9 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108943

30-Aug-21

Client: SIMCOE Project: GCU 170

Sample ID: 2108943-001BMSD SampType: MSD TestCode: EPA Method 200.7: Metals

MW #2A Client ID: Batch ID: 62130 RunNo: 80750

Prep Date: Analysis Date: 8/24/2021 SeqNo: 2848908 8/23/2021 Units: mg/L

SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit Qual Sodium 130 5.0 50.00 84.96 96.2 70 130 3.54 20

Sample ID: 2108943-002BMS SampType: MS TestCode: EPA Method 200.7: Metals

Client ID: MW #3A Batch ID: 62130 RunNo: 80750

Prep Date: 8/23/2021 Analysis Date: 8/24/2021 SeqNo: 2848910 Units: mg/L

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

Magnesium 84 1.0 50.00 30.17 108 70 130 Potassium 57 1.0 50.00 3.710 107 70 130

Sample ID: 2108943-002BMSD SampType: MSD TestCode: EPA Method 200.7: Metals

Client ID: MW #3A Batch ID: 62130 RunNo: 80750

Prep Date: 8/23/2021 Analysis Date: 8/24/2021 SeqNo: 2848911 Units: mg/L

Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte I owl imit 83 106 70 20 1.0 50.00 30.17 130 1.25 Magnesium Potassium 56 1.0 50.00 3.710 105 70 130 1.92 20

Sample ID: 2108943-002BMS SampType: MS TestCode: EPA Method 200.7: Metals

Client ID: MW #3A Batch ID: 62130 RunNo: 80750

Prep Date: 8/23/2021 Analysis Date: 8/24/2021 SeqNo: 2848913 Units: mg/L

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

70 Sodium 120 5.0 50.00 69.85 97.5 130

Sample ID: 2108943-002BMSD SampType: MSD TestCode: EPA Method 200.7: Metals

Client ID: MW #3A RunNo: 80750 Batch ID: 62130

Prep Date: 8/23/2021 Analysis Date: 8/24/2021 SeqNo: 2848914 Units: mg/L

PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte Result LowLimit HighLimit 120 50.00 69.85 70 130 2.75 20 Sodium 5.0 104

Sample ID: MB-62130 TestCode: EPA Method 200.7: Metals SampType: MBLK Batch ID: 62130

Prep Date: 8/23/2021 Analysis Date: 8/24/2021 SeqNo: 2848932 Units: mg/L

PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result HighLimit Qual Calcium ND 1.0 Magnesium ND 1.0 Potassium ND 1.0

Qualifiers:

Client ID:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix

PBW

- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

RunNo: 80750

- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 10 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108943** *30-Aug-21*

Client: SIMCOE
Project: GCU 170

Sample ID: MB-62130 SampType: MBLK TestCode: EPA Method 200.7: Metals

Client ID: PBW Batch ID: 62130 RunNo: 80750

Prep Date: 8/23/2021 Analysis Date: 8/24/2021 SeqNo: 2848932 Units: mg/L

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

Sodium ND 1.0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108943 30-Aug-21**

Client: SIMCOE
Project: GCU 170

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R80634 RunNo: 80634 Prep Date: Analysis Date: 8/18/2021 SeqNo: 2844511 Units: mg/L SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Fluoride ND 0.10 Chloride ND 0.50 Nitrogen, Nitrite (As N) ND 0.10 Bromide ND 0.10 Nitrogen, Nitrate (As N) ND 0.10 Phosphorus, Orthophosphate (As P ND 0.50 Sulfate ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: R80634 RunNo: 80634 Prep Date: Analysis Date: 8/18/2021 SeqNo: 2844512 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.50 0.10 101 90 110 0.5000 O Fluoride 5.000 96.7 90 Chloride 4.8 0.50 0 110 97.7 Nitrogen, Nitrite (As N) 0.98 0.10 1.000 0 90 110 Bromide 2.5 2.500 0 99.8 110 0.10 90 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 102 90 110 Phosphorus, Orthophosphate (As P 4.6 0 0.50 5.000 91.1 110 90 Sulfate 0.50 10.00 99.3 110

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: A80673 RunNo: 80673 Analysis Date: 8/20/2021 Prep Date: SeqNo: 2845972 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Sulfate ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: A80673 RunNo: 80673 Prep Date: Analysis Date: 8/20/2021 SeqNo: 2845973 Units: mg/L SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Sulfate 9.7 0.50 10.00 96.7 90 110

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 12 of 16

Hall Environmental Analysis Laboratory, Inc.

100

WO#: 2108943 30-Aug-21

Client: SIMCOE **Project:** GCU 170

Conductivity

Sample ID: Ics-1 98.7uS eC SampType: Ics TestCode: SM2510B: Specific Conductance

Client ID: LCSW Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846075 Units: µmhos/cm

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result 0

101

85

115

98.70 Sample ID: 2108943-002A dup SampType: dup TestCode: SM2510B: Specific Conductance

Client ID: MW #3A Batch ID: R80675 RunNo: 80675

10

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846079 Units: µmhos/cm

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

1800 0.268 20 Conductivity 10

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 13 of 16

Hall Environmental Analysis Laboratory, Inc.

7.45

WO#: **2108943**

30-Aug-21

Н

Client: SIMCOE
Project: GCU 170

рΗ

Sample ID: 2108943-002A dup SampType: dup TestCode: SM4500-H+B / 9040C: pH

Client ID: MW #3A Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846092 Units: pH units

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

Qualifiers:

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

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

Page 14 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108943 30-Aug-21**

Client: SIMCOE
Project: GCU 170

Sample ID: mb-1 alk SampType: mblk TestCode: SM2320B: Alkalinity

Client ID: PBW Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846009 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) ND 20.00

Sample ID: Ics-1 alk SampType: Ics TestCode: SM2320B: Alkalinity

Client ID: LCSW Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846011 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) 79.68 20.00 80.00 0 99.6 90 110

Sample ID: 2108943-002A dup SampType: dup TestCode: SM2320B: Alkalinity

Client ID: MW #3A Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846020 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) 273.5 20.00 0.352 20

Sample ID: mb-2 alk SampType: mblk TestCode: SM2320B: Alkalinity

Client ID: PBW Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846049 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) ND 20.00

Sample ID: Ics-2 alk SampType: Ics TestCode: SM2320B: Alkalinity

Client ID: LCSW Batch ID: R80675 RunNo: 80675

Prep Date: Analysis Date: 8/19/2021 SeqNo: 2846051 Units: mg/L CaCO3

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

Total Alkalinity (as CaCO3) 79.64 20.00 80.00 0 99.6 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 15 of 16

Hall Environmental Analysis Laboratory, Inc.

WO#: **2108943**

30-Aug-21

Client: SIMCOE
Project: GCU 170

Sample ID: MB-62151 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 62151 RunNo: 80788

Prep Date: 8/24/2021 Analysis Date: 8/25/2021 SeqNo: 2850559 Units: mg/L

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

Total Dissolved Solids ND 20.0

Sample ID: LCS-62151 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 62151 RunNo: 80788

Prep Date: 8/24/2021 Analysis Date: 8/25/2021 SeqNo: 2850560 Units: mg/L

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

Total Dissolved Solids 1040 20.0 1000 0 104 80 120

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 16 of 16



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name	: SIMCOE		Work	Order Num	nber: 21089	43		RcptNo:	1
Received By	/: Cheyen	ne Cason	8/18/20	021 7:00:00	АМ		Chul		
Completed B	By: Sean Liv	vingston	8/18/20	021 10:17:0	5 AM		Chul SL.		
Reviewed By		8/18					Sali	John .	
Chain of C	ustody								
1. Is Chain o	f Custody com	plete?			Yes		No 🗌	Not Present	
2. How was t	the sample de	livered?			Courie	<u>r</u>			
Log In									
3. Was an at	tempt made to	cool the samp	les?		Yes 🖢		No 🗌	NA 🗌	
4. Were all sa	amples receive	ed at a tempera	ture of >0° C	to 6.0°C	Yes 🖢		No 🗌	NA 🗆	
5. Sample(s)	in proper cont	ainer(s)?			Yes 🛚		No 🗌		
6. Sufficient s	ample volume	for indicated to	est(s)?		Yes 💌	•	No 🗌		
7. Are sample	es (except VOA	and ONG) pro	perly preserve	ed?	Yes 🔻	•	No 🗌		
8. Was prese	rvative added	to bottles?			Yes 💌	•	No 🗌	NA 🗌	
								HNO3	
9. Received a	t least 1 vial w	ith headspace	<1/4" for AQ \	/OA?	Yes		No 🗌	NA 🗸	
0. Were any	sample contair	ners received b	roken?		Yes		No 🗸	# of preserved	
	rwork match b epancies on cl	ottle labels? nain of custody)		Yes 💆	•	No 🗆	bottles checked for pH:	12 unless noted)
2. Are matrice	es correctly ide	ntified on Chai	n of Custody?		Yes 🗸	•	No 🗌		es
3. Is it clear w	hat analyses v	vere requested	?		Yes 🗸	•	No 🗌		4 . 4 .
	olding times ab	le to be met? authorization.)			Yes 🗸	•	No 🗌	Checked by: J	n 8/18/
	dling (if ap								
15. Was client	notified of all	discrepancies v	vith this order?	?	Yes [No 🗌	NA 🗹	
Pers	on Notified:		STREET, SHEW STREET, S	Date	T-	WINDS AND ADDRESS OF THE PARTY	CHREST CALIFORNIA MENTAL SETTING.		
By W	/hom:			Via:	eMail	□ F	Phone Fax	In Person	
Rega	arding:			WOODSTAND TRANSPORTED	William Allender Burger	Cubinat results			
Clien	t Instructions:	The second secon		CO-A-O-Co-O-Co-O-Co-O-Co-O-Co-O-Co-O-Co-	Gorbouts Witnessen, Scarrows	NACOCIONAL MATERIA			
рн <.	ed off ~200mL 2 - J (2	from 001-008/ 6 6 18 2	A for metals ar	nalysis and a	added ~0.5n	nL HN	O3 to samples 0	001-0008B, checked for	preferred
7. Cooler Inf			1.20.00	E and the second	1.50		Sharen 14 14		
Cooler I	No Temp °C 0.4	Condition Good	Seal Intact	Seal No	Seal Date		Signed By		
2	4.8	Good							
<u>-</u>				L.,L					

Rece	eived	by O	CD:	1/21	/202	2 2:	18:55 P	M	(N	10 /	() səlddu8 riA			T							Γ	Τ			Page	46 oj	47
	AL VO	7					ə	ıdu	es a	ətie	5 pt. compo																j.
F	ABODATOD	5								e	Grab sample	>	>	>	>	>	>	>	>								l repoi
Ī		ξ	60	1																					р		alytica
2	CTC ABODATO	()	Albuquerque, NM 87109	07		suo	ons / Cati	oinA				1.	>	>	>	>	>	>	>						PO to be provided		the ar
6			ΣN	505-345-4107	st				(∀	-	-imə2) 07 <u>5</u> 8														oe pr		no per
ò	7 5	ent	ue,	5-34	dne						40V) 806S8														to k		y notal
	JU		nerc	505	s Re						ovlossid IstoT		_	ļ										NC:	PC		clear
	Z		bnq	Fax	Analysis Request		[™] OS' [™] Oc		Μ'ε(D,7) snoinA		_	_								_		ŘĠΥ			will be
	, _	www.hallenviropmental.com	1	10	Ana	L	/cı	Allo			teM 8 ARDR										_			ENE			d data
		WW	4901 Hawkins NE	505-345-3975			(5)	-		Married	01E8) HA9			_								_		KAV	skal		tracted
3		3	vkin	345		H			-		TPH (Metho										_	-	_	01	Contact: Steve Moskal	<i>∞</i>	noo-qr
	-1 F		Hay	505		H	(ONIVI				O) 82108 H9T		_	_							5	-		CILY	Steve	, ,,	Any su
			1901	Tel.		L		-			BTEX + MTBE		-	_							_	-		ks: DIRE	ntact: Steve M	9 9	bility.
			7	• 1000		-					BTEX + MTBE		_	_								-		Remarks: BILL DIRECTLY TO IKAV ENERGY INC.:		, 2	possil
		Т		Г		-	(0100	10131	avv.	1	TOTAL + VATE		-	_	_							-		Re		7	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report
								poo			0 M	00	200	83	God	200	200	400	000					ne 1439	o o	Q	notice
							ပု	- Cottonwood		Rundes	HEAL NO.	O	0	0	O	Ŏ	Ď	Ŏ	()					Time //	Z/ Time	0100	es as
							E LI	otto	% □	3	当 5)ate 8//	te /		is serv
			170				O)			8	7													Date 8/	// Date	14	
	Rush		# 17				Steve Moskal - SIMCOE LLC	Emma Millar		13	tive													8		18118	ratorie
	3		# NOS				Ska	na N	Se			Cool	Cool	Cool	Cool	Cool	Cool	Cool	Cool					_			d labo
Time:			Ğ			ı.	Mo	Emn	M Yes	atur	Pres															3	credite
	5	me:				nage	eve			npei	L #	1	1	1	-	Н	П	Н	-					1		200	her ac
rour	Standard	t Na		t #:		Ma	S	::		Ter	aine	Įm.	Ę.	ml-	Ė	Ė	Ė	Ē	<u>-</u>					l by:	2 2	2	d to ot
Turn-Around		0.		Project #:		Project Manager:	a a	Sampler:	On Ice:	Sample Temperature:	Container Type and #	1,000 ml -1	1,000 ml -	1,000 ml - 1	1,000 ml - 1	1,000 ml -	1,000 ml - 1	1,000 ml	1,000 ml					Received by:	Received by:	\ \	lacte
E	>	ď.	Τ-	P		4		Sa	Ö	Sa								-	7					Red A	18	Ę,	subcor
	LLC / COTTONWOOD CONSULTING					ш	(uo				₽					1									1		ay be
D	.TOS					y.co	idati		1	١,	lest					1									1\		ntal m
00	S		101			nerg	l Val		-		Sedi	MW # 2A	MW # 3A	MW # 4A	MW # 5	MW # 6	MW # 7	MW #8	# 9						11'	\	ronme
Re	OD		1199 Main St., Suite # 101	301		steven.moskal@ikavenergy.com	Level 4 (Full Validation)				Sample Request ID	MW	MW	MW	M	M	M	MM	MW#						1	3	Envi
>	WO		, Sui	. 81	6	[@i	/ei 4				dw					-								v	1-	2	to Hal
0	D		n St.	Colc	-917	oska	Le				Sa													by:	/ <u>~</u>		mitted
SI	0		Mai	ıgo,	330	n.m			Other		×	8	8	œ	œ	95	œ	œ	œ		_		\dashv	shed	shed	4	iqns sa
9	/ DT		199	Durango, Colo. 81301	(505) 330-9179	eve					Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER					Relinquished by:	Relinquished by:	5	sample
Chain-of-Custody Record					3)	S						-			~		-		-+	-		\vdash	\dashv	<u>~</u>	+	~	If necessary samples submitted to Hall Environmental may be subconfiaded to other accredited laboratories.
<u>.</u>	SIMCOE		Mailing Address:			#:	ige:	::		(e)	Time	1245	1300	0221	1350	230	1320	335	00					Time:	.e.	1333	neces
j.	S		Add		,.	email or Fax#:	QA/QC Package: ☑ Standard	Accreditation:	۵	EDD (Type)			\neg			7		-	7,	_			-		-		=
	nt:		ling		Phone #:	ail or	OC F Stan	redit	NELAP	CO	Date	8/17/21	8/17/21	8/17/21	8/17/21	8/17/21	8/17/21	8/17/21	8/17/21					N		12/11/8	
	Client:		Mai		Pho	ems	§ D	Acc			۵	8/1	8/1	8/1	8/1	8/1	8/1	8/1	8/1					Date: 8/17/2/	Date:	8	
Rele	ased	to In	nagin	ıg: 1	/17/2	024	4 3:15:39	9 PN	1		'	1			1	1	'	'		,	1			Die	,	'	

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

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

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

CONDITIONS

Action 74374

CONDITIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	74374
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By		Condition Date
michael.buchanan	Review of the GCU#170 Groundwater Remediation Report: Content Satisfactory 1. Continue to conduct groundwater monitoring until eight (8) consecutive quarterly samples, or different number of samples approved by NMOCD, are below NMWQCC standards. 2. Continue to submit annual remediation reports by April 1, 2024	1/17/2024