

Culver 5-17 Tank Battery

SWNE Sec. 17-T1N-R69W

Remediation Project #: 22770

First Quarter 2024 Groundwater Monitoring

January 2024

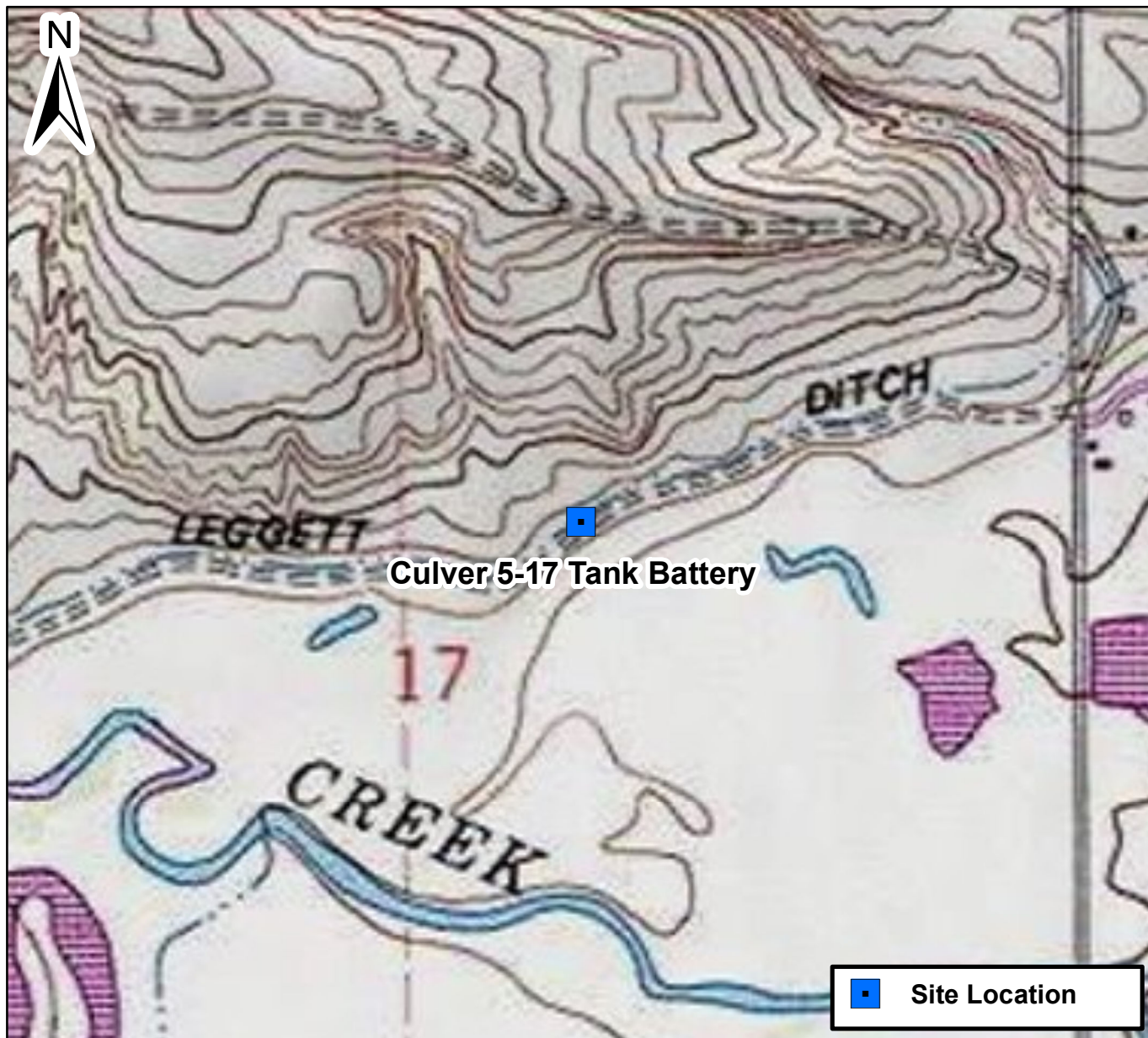
Prepared by Tasman, Inc.



On behalf of Extraction Oil & Gas, Inc.



FIGURES



0 1,000 2,000 Feet

Figure 1

Site Location Map
Culver 5-17 Tank Battery
SWNE Sec. 17-T1N-R69W
Boulder County, Colorado





DATE:	November 29, 2023
DESIGNED BY:	S. Vogt
DRAWN BY:	S. Kirylo

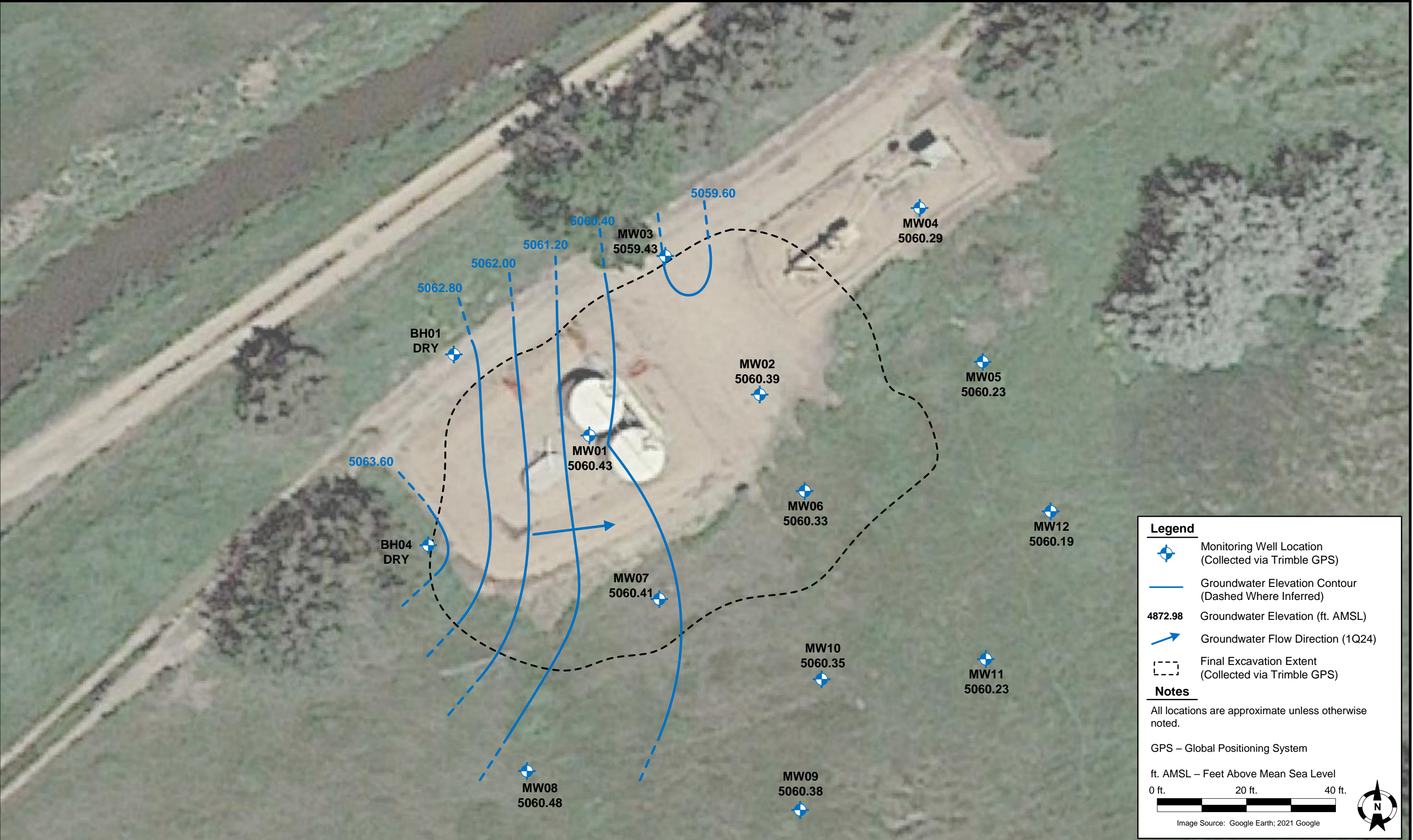


Tasman, Inc.
6855 W119th Ave.
Broomfield, CO 80020

Extraction Oil & Gas, Inc.
Culver 5-17 Tank Battery
SWNE Sec. 17-T1N-R69W
Boulder County, Colorado

Site Overview Map

Figure
2



DATE:	March 15, 2024
DESIGNED BY:	S. Vogt
DRAWN BY:	J. Woffinden



Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

Extraction Oil & Gas, Inc.
Culver 5-17 Tank Battery
SWNE Sec. 17-T1N-R69W
Boulder County, Colorado

Groundwater Elevation
Contour Map
(01/25/2024)

FIGURE
3



DATE:	March 15, 2024
DESIGNED BY:	S. Vogt
DRAWN BY:	A. Kirylo



TASMAN

Tasman, Inc.
6855 W119th Ave.
Broomfield, CO 80020

Extraction Oil & Gas, Inc.
Culver 5-17 Tank Battery
SWNE Sec. 17-T1N-R69W
Boulder County, Colorado

Groundwater Analytical
Exceedance Map
(01/25/2024)

Figure
4

TABLES

MATERIAL LEFT IN PLACE

TABLE 1
CULVER 5-17 TANK BATTERY
SOIL SAMPLE LOCATIONS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BH01@6'	6'	09/09/2022	0.0	40.052613	-105.138091	1.4	Y
BH04@6.5'	6.5'	09/09/2022	0.0	40.052497	-105.138112	2.1	Y
SS01@10'	10'	10/27/2022	0.1	40.052555	-105.137774	1.3	Y
SS03@10'	10'	10/27/2022	1,345	40.052518	-105.137833	1	Y
SS04@10'	10'	10/27/2022	766.2	40.052548	-105.137814	1	Y
SS05@11'	11'	10/28/2022	551.5	40.052461	-105.137952	1.2	Y
SS06@10'	10'	10/28/2022	1,884	40.052493	-105.137895	1.2	Y
SS07@10.5'	10.5'	10/31/2022	2,092	40.052520	-105.137833	1.4	Y
SS08@10'	10'	10/31/2022	154.7	40.052551	-105.137767	1.4	Y
SS09@10'	10'	11/01/2022	1.1	40.052430	-105.137929	1.2	Y
SS10@10'	10'	11/01/2022	1,368	40.052485	-105.137848	1	Y
SS12@8.5'	8.5'	11/01/2022	13.7	40.052453	-105.137886	1	Y
SS13@8.5'	8.5'	11/01/2022	49.4	40.052468	-105.137832	1	Y
SS14@10'	10'	11/01/2022	10.0	40.052501	-105.137770	1.1	Y
SS16@10'	10'	11/02/2022	3,257	40.052504	-105.138010	1.1	Y
SS17@14'	14'	11/02/2022	2,604	40.052556	-105.138034	1.1	Y
SS18@10'	10'	11/02/2022	295.2	40.052517	-105.137741	1	Y
SS20@10'	10'	11/02/2022	1.8	40.052549	-105.137700	1.2	Y
SS21@10'	10'	11/02/2022	2.6	40.052594	-105.137741	1.2	Y
SS22@10.5'	10.5'	11/02/2022	1,912	40.052517	-105.137941	1.1	Y
SS23@13'	13'	11/02/2022	2,007	40.052579	-105.137986	1.1	Y
SS24@11'	11'	11/03/2022	0.0	40.052573	-105.138093	1.1	Y
SS25@8.5'	8.5'	11/03/2022	3.3	40.052469	-105.137791	1	Y
SS26@10'	10'	11/03/2022	2,891	40.052547	-105.137890	1.1	Y
SS27@13'	13'	11/03/2022	2,953	40.052599	-105.137929	1.1	Y
SS28@10'	10'	11/03/2022	0.0	40.052419	-105.138000	1	Y
SS29@10'	10'	11/03/2022	1,206	40.052457	-105.138040	1	Y
SS30@13'	13'	11/03/2022	2,464	40.052607	-105.137872	1	Y
SS31@10'	10'	11/03/2022	1,942	40.052573	-105.137849	1	Y
SS32@10'	10'	11/07/2022	31.4	40.052447	-105.138088	1.2	Y
SS33@10'	10'	11/07/2022	430.5	40.052472	-105.138098	0.9	Y
SS34@8.5'	8.5'	11/07/2022	2.0	40.052470	-105.138101	0.9	Y
SS35@10'	10'	11/07/2022	1,481	40.052544	-105.138093	1	Y
SS36@8.5'	8.5'	11/07/2022	0.2	40.052546	-105.138093	1.1	Y

TABLE 1
CULVER 5-17 TANK BATTERY
SOIL SAMPLE LOCATIONS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
SS37@8.5'	8.5'	11/07/2022	0.4	40.052439	-105.138082	1.1	Y
SS38@10'	10'	11/07/2022	12.4	40.052620	-105.137750	1.1	Y
SS39@11'	11'	11/07/2022	356.3	40.052658	-105.137789	1.1	Y
SS40@8.5'	8.5'	11/08/2022	0.7	40.052658	-105.137782	0.9	Y
SS41@11'	11'	11/08/2022	836.0	40.052563	-105.138071	1	Y
SS43@11'	11'	11/08/2022	158.9	40.052604	-105.138021	1	Y
SS44@8.5'	8.5'	11/08/2022	4.1	40.052613	-105.138026	1	Y
SS45@11'	11'	11/09/2022	1,571	40.052643	-105.137978	1	Y
SS46@8.5'	8.5'	11/09/2022	21.2	40.052648	-105.137978	1	Y
SS47@11'	11'	11/09/2022	1,202	40.052667	-105.137905	1.2	Y
SS48@8.5'	8.5'	11/09/2022	25.1	40.052672	-105.137908	1.2	Y
SS49@11'	11'	11/10/2022	0.0	40.052688	-105.137865	1.3	Y
SS50@8.5'	8.5'	11/10/2022	0.0	40.052689	-105.137871	1.3	Y
SS51@12'	12'	11/10/2022	0.3	40.052674	-105.137818	1.2	Y
SS52@8.5'	8.5'	11/10/2022	0.0	40.052675	-105.137817	1.2	Y
MW01@13'	13'	06/26/2023	1747	40.052564	-105.137981	0.9	Y
MW01@20'	20'	06/26/2023	11.3	40.052564	-105.137981	0.9	Y
MW02@14'	14'	06/26/2023	6.8	40.052590	-105.137845	0.9	Y
MW02@19'	19'	06/26/2023	0.6	40.052590	-105.137845	0.9	Y
MW03@15'	15'	06/26/2023	20.4	40.052675	-105.137921	0.9	Y
MW03@20'	20'	06/26/2023	1.2	40.052675	-105.137921	0.9	Y
MW04@12'	12'	06/27/2023	0.4	40.052704	-105.137716	1.1	Y
MW04@15'	15'	06/27/2023	0.4	40.052704	-105.137716	1.1	Y
MW05@13'	13'	06/27/2023	-	40.052609	-105.137666	1.0	Y
MW05@15'	15'	06/27/2023	-	40.052609	-105.137666	1.0	Y
MW06@13'	13'	06/27/2023	394.5	40.052530	-105.137808	0.8	Y
MW06@17'	17'	06/27/2023	17.1	40.052530	-105.137808	0.8	Y
MW07@14'	14'	06/27/2023	8.4	40.052463	-105.137925	0.8	Y
MW07@15'	15'	06/27/2023	1.7	40.052463	-105.137925	0.8	Y
MW08@8'	8'	06/28/2023	0.0	40.052357	-105.138031	0.9	Y
MW08@15'	15'	06/28/2023	0.3	40.052357	-105.138031	0.9	Y
MW09@7'	7'	06/28/2023	0.0	40.052333	-105.137812	0.9	Y
MW09@15'	15'	06/28/2023	0.0	40.052333	-105.137812	0.9	Y
MW10@7'	7'	06/28/2023	0.3	40.052413	-105.137795	0.8	Y

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CULVER 5-17 TANK BATTERY
SOIL SAMPLE LOCATIONS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
MW10@15'	15'	06/28/2023	0.4	40.052413	-105.137795	0.8	Y
MW11@8'	8'	06/28/2023	0.1	40.052426	-105.137663	0.9	Y
MW11@15'	15'	06/28/2023	0.1	40.052426	-105.137663	0.9	Y
MW12@7'	7'	06/28/2023	0.0	40.052518	-105.137611	1.1	Y
MW12@15'	15'	06/28/2023	0.0	40.052518	-105.137611	1.1	Y
BACKGROUND							
BKG01@4"	4"	04/19/2022	-	40.051679	-105.139727	-	Y
BG01@6.5'	6.5'	09/09/2022	0.0	-	-	-	Y
BG02@6.5'	6.5'	09/09/2022	0.0	-	-	-	Y
BG01@6'	6'	06/28/2023	0.4	40.052627	-105.137418	-	Y
BG01@8'	8'	06/28/2023	0.3	40.052627	-105.137418	-	Y
BG01@10'	10'	06/28/2023	0.0	40.052627	-105.137418	-	Y
BG01@12'	12'	06/28/2023	0.1	40.052627	-105.137418	-	Y
BG01@14'	14'	06/28/2023	0.1	40.052627	-105.137418	-	Y
BG02@6'	6'	06/28/2023	-	40.052764	-105.137515	-	Y
BG02@8'	8'	06/28/2023	-	40.052764	-105.137515	-	Y
BG02@10'	10'	06/28/2023	-	40.052764	-105.137515	-	Y
BG02@12'	12'	06/28/2023	0.4	40.052764	-105.137515	-	Y
BG02@14'	14'	06/28/2023	0.1	40.052764	-105.137515	-	Y
BG03@6'	6'	06/28/2023	-	40.052685	-105.138085	-	Y
BG03@8'	8'	06/28/2023	0.2	40.052685	-105.138085	-	Y
BG03@10'	10'	06/28/2023	0.2	40.052685	-105.138085	-	Y
BG03@12'	12'	06/28/2023	0.4	40.052685	-105.138085	-	Y
BG03@14'	14'	06/28/2023	0.6	40.052685	-105.138085	-	Y
BG03@20'	20'	06/28/2023	0.4	40.052685	-105.138085	-	Y
BG04@6'	6'	06/28/2023	0.3	40.052333	-105.138356	-	Y
BG04@8'	8'	06/28/2023	0.1	40.052333	-105.138356	-	Y
BG04@10'	10'	06/28/2023	0.1	40.052333	-105.138356	-	Y
BG04@12'	12'	06/28/2023	-	40.052333	-105.138356	-	Y
BG04@14'	14'	06/28/2023	0.0	40.052333	-105.138356	-	Y
BG04@20'	20'	06/28/2023	0.7	40.052333	-105.138356	-	Y

Notes:

PID = Photoionization Detector

TABLE 1
CULVER 5-17 TANK BATTERY
SOIL SAMPLE LOCATIONS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
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ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

10/29/20 [date] = Data collected by 3rd-party consultant(s)

TABLE 2
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - VOCs - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
BH01@6'	6'	09/09/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
BH04@6.5'	6.5'	09/09/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
SS01@10'	10'	10/27/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS03@10'	10'	10/27/2022	<0.0020	<0.0050	<0.0050	<0.010	0.12	260	190	<50	<0.0050	<0.0050
SS04@10'	10'	10/27/2022	<0.0020	<0.0050	0.0065	<0.010	0.016	730	690	66	<0.0050	<0.0050
SS05@11'	11'	10/28/2022	<0.0020	<0.0050	0.0065	<0.010	0.083	11	<50	<50	<0.0050	<0.0050
SS06@10'	10'	10/28/2022	<0.0020	<0.0050	0.0065	<0.010	1.7	610	480	<50	<0.0050	<0.0050
SS07@10.5'	10.5'	10/31/2022	<0.0020	<0.0050	0.0065	<0.010	<0.0038	1.3	<50	<50	<0.0050	<0.0050
SS08@10'	10'	10/31/2022	<0.0020	<0.0050	0.0065	<0.010	0.46	1,700	<50	<50	<0.0050	<0.0050
SS09@10'	10'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS10@10'	10'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	0.16	380	260	<50	<0.0050	<0.0050
SS12@8.5'	8.5'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS13@8.5'	8.5'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS14@10'	10'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS16@10'	10'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	0.43	1,300	480	<50	0.011	<0.0050
SS17@14'	14'	11/02/2022	<0.0020	<0.0050	0.17	<0.010	7.5	7,600	1,500	110	<0.0050	<0.0050
SS18@10'	10'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS20@10'	10'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS21@10'	10'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS22@10.5'	10.5'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	3.3	2,300	1,900	150	<0.0050	<0.0050
SS23@13'	13'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	0.76	1,100	270	<50	<0.0050	<0.0050
SS24@11'	11'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS25@8.5'	8.5'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

TABLE 2
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - VOCs - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
SS26@10'	10'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	0.94	1,800	540	68	<0.0050	<0.0050
SS27@13'	13'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	0.16	5,900	1,800	190	<0.0050	<0.0050
SS28@10'	10'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS29@10'	10'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	0.52	2,100	1,000	78	<0.0050	<0.0050
SS30@13'	13'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	0.077	2,500	820	<50	<0.0050	<0.0050
SS31@10'	10'	11/03/2022	<0.0020	<0.0050	<0.0050	<0.010	0.047	3,700	810	<50	<0.0050	<0.0050
SS32@10'	10'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS33@10'	10'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	210	260	<50	<0.0050	<0.0050
SS34@8.5'	8.5'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS35@10'	10'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	62	130	<50	<0.0050	<0.0050
SS36@8.5'	8.5'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS37@8.5'	8.5'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS38@10'	10'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS39@11'	11'	11/07/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	4.1	<50	<50	<0.0050	<0.0050
SS40@8.5'	8.5'	11/08/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS41@11'	11'	11/08/2022	<0.0020	<0.0050	<0.0050	<0.010	0.056	13	94	<50	<0.0050	<0.0050
SS43@11'	11'	11/08/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	1.6	<50	<50	<0.0050	<0.0050
SS44@8.5'	8.5'	11/08/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS45@11'	11'	11/09/2022	<0.0020	<0.0050	<0.0050	<0.010	0.13	200	550	<50	<0.0050	<0.0050
SS46@8.5'	8.5'	11/09/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	2.5	<50	<50	<0.0050	<0.0050
SS47@11'	12'	11/09/2022	<0.0020	<0.0050	<0.0050	<0.010	0.099	280	270	<50	<0.0050	<0.0050
SS48@8.5'	8.5'	11/09/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	0.81	<50	<50	<0.0050	<0.0050
SS49@11'	11'	11/10/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

TABLE 2
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - VOCs - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
SS50@8.5'	8.5'	11/10/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS51@12'	12'	11/10/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS52@8.5'	8.5'	11/10/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW01@13'	13'	06/26/2023	0.0067	<0.0050	<0.0050	<0.010	0.0042	2,400	2,800	250	<0.0050	<0.0050
MW01@20'	20'	06/26/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	1.2	29	22	<0.0050	<0.0050
MW02@14'	14'	06/26/2023	<0.0020	<0.0050	<0.0050	<0.010	0.079	530	1,300	130	<0.0050	<0.0050
MW02@19'	19'	06/26/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	0.16	22	25	<0.0050	<0.0050
MW03@15'	15'	06/26/2023	<0.0020	<0.0050	<0.0050	<0.010	0.031	170	740	77	<0.0050	<0.0050
MW03@20'	20'	06/26/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	0.16	16	20	<0.0050	<0.0050
MW04@12'	12'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW04@15'	15'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW05@13'	13'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW05@15'	15'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW06@13'	13'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	0.095	1,400	480	<50	<0.0050	<0.0050
MW06@17'	17'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	8.1	<50	<50	<0.0050	<0.0050
MW07@14'	14'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW07@15'	15'	06/27/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW08@8'	8'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW08@15'	15'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW09@7'	7'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW09@15'	15'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW10@7'	7'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW10@15'	15'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

TABLE 2
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - VOCs - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
MW11@8'	8'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW11@15'	15'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW12@7'	7'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
MW12@15'	15'	06/28/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

Notes:

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

TVPH - GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH - DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH - ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4 - TMB = 1,2,4 - Trimethylbenzene

1,3,5 - TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

TABLE 3
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - PAHs - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
BH01@6'	6'	09/09/2022	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
BH04@6.5'	6.5'	09/09/2022	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SS01@10'	10'	10/27/2022	<0.00500	0.0566	0.0340	0.0186	0.00744	0.0133	0.0561	<0.00500	0.157	0.0852	0.00603	0.133	<0.00500	0.153
SS03@10'	10'	10/27/2022	<0.00500	0.0321	0.0446	0.0261	0.0104	0.0203	0.0592	<0.00500	0.149	0.112	0.0105	0.0905	<0.00500	0.139
SS04@10'	10'	10/27/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS05@11'	11'	10/28/2022	<0.00500	<0.00500	0.0109	0.00537	<0.00500	<0.00500	0.0110	<0.00500	0.0386	0.0181	<0.00500	0.0785	0.174	0.0351
SS06@10'	10'	10/28/2022	<0.00500	0.104	0.164	0.118	0.0471	0.0932	0.186	0.00905	0.586	0.119	0.0478	2.33	0.834	0.489
SS07@10.5'	10.5'	10/31/2022	<0.00500	0.0558	0.0599	0.0458	0.0192	0.0353	0.100	<0.00500	0.311	0.101	0.0173	1.46	5.37	0.269
SS08@10'	10'	10/31/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS09@10'	10'	11/01/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS10@10'	10'	11/01/2022	<0.00500	0.00534	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0254	0.0159	<0.00500	0.0810	0.165	0.0202
SS12@8.5'	8.5'	11/01/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS13@8.5'	8.5'	11/01/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS14@10'	10'	11/01/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS16@10'	10'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0240	0.0570	<0.00500	0.0377	0.588	<0.00500	2.60	5.62	0.0339
SS17@14'	14'	11/02/2022	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.212	<0.0500	<0.0500	0.932	<0.0500	10.6	25.7	0.0798
SS18@10'	10'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS20@10'	10'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS21@10'	10'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS22@10.5'	10.5'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0455	<0.00500	<0.00500	0.0933	<0.00500	11.8	19.8	0.0130
SS23@13'	13'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0342	<0.00500	0.0139	0.0919	<0.00500	3.76	6.16	0.0112
SS24@11'	11'	11/03/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS25@8.5'	8.5'	11/03/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS26@10'	10'	11/03/2022	<0.00500	<0.00500	0.0246	0.0246	0.00744	0.0154	0.0712	<0.00500	0.0816	0.103	<0.00500	2.53	6.75	0.0957



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
SS27@13'	13'	11/03/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0263	<0.00500	<0.00500	0.0453	<0.00500	1.30	3.62	0.00845
SS28@10'	10'	11/03/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS29@10'	10'	11/03/2022	<0.00500	0.0966	0.0935	0.0602	0.0246	0.0480	0.104	<0.00500	0.556	0.108	0.0115	0.562	1.16	0.324
SS30@13'	13'	11/03/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0114	0.0478	<0.00500	<0.00500	0.0849	<0.00500	0.676	1.47	0.0191
SS31@10'	10'	11/03/2022	<0.00500	<0.00500	0.0997	0.0867	0.0330	0.0573	0.139	<0.00500	0.704	<0.00500	0.0143	1.29	2.84	0.461
SS32@10'	10'	11/07/2022	<0.00500	<0.00500	0.0214	0.0112	<0.00500	0.00828	0.0273	<0.00500	0.0747	0.0472	<0.00500	0.177	<0.00500	0.0762
SS33@10'	10'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0396	<0.00500	<0.00500	0.0499	<0.00500	<0.00500	<0.00500	0.0143
SS34@8.5'	8.5'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS35@10'	10'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00733	<0.00500	<0.00500	0.0508	<0.00500	0.327	0.176	<0.00500
SS36@8.5'	8.5'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS37@8.5'	8.5'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS38@10'	10'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS39@11'	11'	11/07/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0127	<0.00500	0.00656	0.0472	<0.00500	<0.00500	<0.00500	<0.00500
SS40@8.5'	8.5'	11/08/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS41@11'	11'	11/08/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS43@11'	11'	11/08/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS44@8.5'	8.5'	11/08/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS45@11'	11'	11/09/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00972	<0.00500	<0.00500	0.0560	<0.00500	0.701	1.26	<0.00500
SS46@8.5'	8.5'	11/09/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS47@11'	11'	11/09/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0150	<0.00500	<0.00500	0.0699	<0.00500	0.637	1.07	<0.00500
SS48@8.5'	8.5'	11/09/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS49@11'	11'	11/10/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS50@8.5'	8.5'	11/10/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS51@12'	12'	11/10/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500



TASMAN

[illegible]

TABLE 3
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - PAHs - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
MW12@15'	15'	06/28/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Notes:

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenzo(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
BH01@6'	6'	09/09/2022	-	-	-	-	-	10.2	-	-	-	-
BH04@6.5'	6.5'	09/09/2022	-	-	-	-	-	<8.26	-	-	-	-
SS01@10'	10'	10/27/2022	-	-	-	-	-	3.53	-	-	-	-
SS03@10'	10'	10/27/2022	-	-	-	-	-	3.96	-	-	-	-
SS04@10'	10'	10/27/2022	-	-	-	-	-	3.11	-	-	-	-
SS05@11'	11'	10/28/2022	-	-	-	-	-	5.60	-	-	-	-
SS06@10'	10'	10/28/2022	-	-	-	-	-	2.58	-	-	-	-
SS07@10.5'	10.5'	10/31/2022	-	-	-	-	-	2.04	-	-	-	-
SS08@10'	10'	10/31/2022	-	-	-	-	-	4.38	-	-	-	-
SS09@10'	10'	11/01/2022	-	-	-	-	-	2.22	-	-	-	-
SS10@10'	10'	11/01/2022	-	-	-	-	-	3.08	-	-	-	-
SS12@8.5'	8.5'	11/01/2022	-	-	-	-	-	9.32	-	-	-	-
SS13@8.5'	8.5'	11/01/2022	-	-	-	-	-	13.4	-	-	-	-
SS14@10'	10'	11/01/2022	-	-	-	-	-	2.62	-	-	-	-
SS16@10'	10'	11/02/2022	-	-	-	-	-	8.29	-	-	-	-
SS17@14'	14'	11/02/2022	-	-	-	-	-	4.17	-	-	-	-
SS18@10'	10'	11/02/2022	-	-	-	-	-	2.85	-	-	-	-
SS20@10'	10'	11/02/2022	-	-	-	-	-	3.46	-	-	-	-
SS21@10'	10'	11/02/2022	-	-	-	-	-	16.3	-	-	-	-
SS22@10.5'	10.5'	11/02/2022	-	-	-	-	-	8.25	-	-	-	-
SS23@13'	13'	11/02/2022	-	-	-	-	-	3.68	-	-	-	-
SS24@11'	11'	11/03/2022	-	-	-	-	-	4.52	-	-	-	-
SS25@8.5'	8.5'	11/03/2022	-	-	-	-	-	5.50	-	-	-	-

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
SS26@10'	10'	11/03/2022	-	-	-	-	-	3.44	-	-	-	-
SS27@13'	13'	11/03/2022	-	-	-	-	-	1.77	-	-	-	-
SS28@10'	10'	11/03/2022	-	-	-	-	-	7.99	-	-	-	-
SS29@10'	10'	11/03/2022	-	-	-	-	-	4.25	-	-	-	-
SS30@13'	13'	11/03/2022	-	-	-	-	-	2.14	-	-	-	-
SS31@10'	10'	11/03/2022	-	-	-	-	-	2.22	-	-	-	-
SS32@10'	10'	11/07/2022	-	-	-	-	-	7.12	-	-	-	-
SS33@10'	10'	11/07/2022	-	-	-	-	-	2.83	-	-	-	-
SS34@8.5'	8.5'	11/07/2022	-	-	-	-	-	11.5	-	-	-	-
SS35@10'	10'	11/07/2022	-	-	-	-	-	9.87	-	-	-	-
SS36@8.5'	8.5'	11/07/2022	-	-	-	-	-	6.54	-	-	-	-
SS37@8.5'	8.5'	11/07/2022	-	-	-	-	-	6.13	-	-	-	-
SS38@10'	10'	11/07/2022	-	-	-	-	-	10.9	-	-	-	-
SS39@11'	11'	11/07/2022	-	-	-	-	-	4.13	-	-	-	-
SS40@8.5'	8.5'	11/08/2022	-	-	-	-	-	12.5	-	-	-	-
SS41@11'	11'	11/08/2022	-	-	-	-	-	5.82	-	-	-	-
SS43@11'	11'	11/08/2022	-	-	-	-	-	2.74	-	-	-	-
SS44@8.5'	8.5'	11/08/2022	-	-	-	-	-	12.1	-	-	-	-
SS45@11'	11'	11/09/2022	-	-	-	-	-	8.04	-	-	-	-
SS46@8.5'	8.5'	11/09/2022	-	-	-	-	-	8.35	-	-	-	-
SS47@11'	11'	11/09/2022	-	-	-	-	-	8.68	-	-	-	-
SS48@8.5'	8.5'	11/09/2022	-	-	-	-	-	9.74	-	-	-	-
SS49@11'	11'	11/10/2022	-	-	-	-	-	5.88	-	-	-	-

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
SS50@8.5'	8.5'	11/10/2022	-	-	-	-	-	8.00	-	-	-	-
SS51@12'	12'	11/10/2022	-	-	-	-	-	8.70	-	-	-	-
SS52@8.5'	8.5'	11/10/2022	-	-	-	-	-	8.34	-	-	-	-
MW01@13'	13'	06/26/2023	-	-	-	-	-	3.57	-	-	-	-
MW01@20'	20'	06/26/2023	-	-	-	-	-	3.32	-	-	-	-
MW02@14'	14'	06/26/2023	-	-	-	-	-	2.36	-	-	-	-
MW02@19'	19'	06/26/2023	-	-	-	-	-	3.05	-	-	-	-
MW03@15'	15'	06/26/2023	-	-	-	-	-	5.16	-	-	-	-
MW03@20'	20'	06/26/2023	-	-	-	-	-	3.22	-	-	-	-
MW04@12'	12'	06/27/2023	-	-	-	-	-	5.97	-	-	-	-
MW04@15'	15'	06/27/2023	-	-	-	-	-	1.52	-	-	-	-
MW05@13'	13'	06/27/2023	-	-	-	-	-	1.35	-	-	-	-
MW05@15'	15'	06/27/2023	-	-	-	-	-	4.62	-	-	-	-
MW06@13'	13'	06/27/2023	-	-	-	-	-	5.86	-	-	-	-
MW06@17'	17'	06/27/2023	-	-	-	-	-	2.79	-	-	-	-
MW07@14'	14'	06/27/2023	-	-	-	-	-	1.96	-	-	-	-
MW07@15'	15'	06/27/2023	-	-	-	-	-	1.80	-	-	-	-
MW08@8'	8'	06/28/2023	-	-	-	-	-	7.74	-	-	-	-
MW08@15'	15'	06/28/2023	-	-	-	-	-	3.05	-	-	-	-
MW09@7'	7'	06/28/2023	-	-	-	-	-	7.00	-	-	-	-
MW09@15'	15'	06/28/2023	-	-	-	-	-	2.52	-	-	-	-
MW10@7'	7'	06/28/2023	-	-	-	-	-	7.27	-	-	-	-
MW10@15'	15'	06/28/2023	-	-	-	-	-	2.53	-	-	-	-

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
MW11@8'	8'	06/28/2023	-	-	-	-	-	10.9	-	-	-	-
MW11@15'	15'	06/28/2023	-	-	-	-	-	24.1	-	-	-	-
MW12@7'	7'	06/28/2023	-	-	-	-	-	13.9	-	-	-	-
MW12@15'	15'	06/28/2023	-	-	-	-	-	2.08	-	-	-	-
BACKGROUND												
BKG01@4"	4"	04/19/2022	3.28	206	0.0928	<2.5	6.53	11.1	8.13	0.284	0.0753	38.7
Background @ 4" x1.25			4.10	258	0.116	-	8.16	13.9	10.2	0.355	0.0941	48.4
BG01@6.5'	6.5'	09/09/2022	-	-	-	-	-	11.6	-	-	-	-
BG02@6.5'	6.5'	09/09/2022	-	-	-	-	-	<8.78	-	-	-	-
Average Background @ 6.5' x1.25			-	-	-	-	-	14.5	-	-	-	-
BG01@6'	6'	06/28/2023	-	-	-	-	-	14.4	-	-	-	-
BG02@6'	6'	06/28/2023	-	-	-	-	-	14.5	-	-	-	-
BG03@6'	6'	06/28/2023	-	-	-	-	-	11.9	-	-	-	-
BG04@6'	6'	06/28/2023	-	-	-	-	-	11.1	-	-	-	-
Average Background @ 6' x1.25			-	-	-	-	-	16.2	-	-	-	-
BG01@8'	8'	06/28/2023	-	-	-	-	-	14.5	-	-	-	-
BG02@8'	8'	06/28/2023	-	-	-	-	-	14.7	-	-	-	-
BG03@8'	8'	06/28/2023	-	-	-	-	-	9.46	-	-	-	-
BG04@8'	8'	06/28/2023	-	-	-	-	-	9.28	-	-	-	-
Average Background @ 8' x1.25			-	-	-	-	-	15.0	-	-	-	-
BG01@10'	10'	06/28/2023	-	-	-	-	-	1.94	-	-	-	-
BG02@10'	10'	06/28/2023	-	-	-	-	-	3.47	-	-	-	-
BG03@10'	10'	06/28/2023	-	-	-	-	-	7.47	-	-	-	-

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
BG04@10'	10'	06/28/2023	-	-	-	-	-	7.79	-	-	-	-
Average Background @ 10' x1.25			-	-	-	-	-	6.46	-	-	-	-
BG01@12'	12'	06/28/2023	-	-	-	-	-	2.79	-	-	-	-
BG02@12'	12'	06/28/2023	-	-	-	-	-	1.37	-	-	-	-
BG03@12'	12'	06/28/2023	-	-	-	-	-	9.62	-	-	-	-
BG04@12'	12'	06/28/2023	-	-	-	-	-	8.01	-	-	-	-
Average Background @ 12' x1.25			-	-	-	-	-	6.81	-	-	-	-
BG01@14'	14'	06/28/2023	-	-	-	-	-	6.15	-	-	-	-
BG02@14'	14'	06/28/2023	-	-	-	-	-	1.54	-	-	-	-
BG03@14'	14'	06/28/2023	-	-	-	-	-	2.23	-	-	-	-
BG04@14'	14'	06/28/2023	-	-	-	-	-	3.10	-	-	-	-
Average Background @ 14' x1.25			-	-	-	-	-	4.07	-	-	-	-
BG03@20'	20'	06/28/2023	-	-	-	-	-	2.31	-	-	-	-
BG04@20'	20'	06/28/2023	-	-	-	-	-	7.02	-	-	-	-
Average Background @ 20' x1.25			-	-	-	-	-	5.83	-	-	-	-

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory minimum detection limit

mg/kg = milligrams per kilogram

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations

Average background concentration x1.25

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 Standard

- = Constituent not analyzed

TABLE 5
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - SOIL RECLAMATION - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
BH01@6'	6'	09/09/2022	8.31*	-	-	-
BH04@6.5'	6.5'	09/09/2022	8.35	-	-	-
SS01@10'	10'	10/27/2022	8.07	-	-	-
SS03@10'	10'	10/27/2022	8.47	-	-	-
SS04@10'	10'	10/27/2022	8.29	-	-	-
SS05@11'	11'	10/28/2022	8.32	-	-	-
SS06@10'	10'	10/28/2022	8.35	-	-	-
SS07@10.5'	10.5'	10/31/2022	8.26	-	-	-
SS08@10'	10'	10/31/2022	9.06	-	-	-
SS09@10'	10'	11/01/2022	7.62	-	-	-
SS10@10'	10'	11/01/2022	8.45	-	-	-
SS12@8.5'	8.5'	11/01/2022	8.30*	-	-	-
SS13@8.5'	8.5'	11/01/2022	7.92	-	-	-
SS14@10'	10'	11/01/2022	8.02	-	-	-
SS16@10'	10'	11/02/2022	8.26	-	-	-
SS17@14'	14'	11/02/2022	7.32	-	-	-
SS18@10'	10'	11/02/2022	8.35	-	-	-
SS20@10'	10'	11/02/2022	8.46	-	-	-
SS21@10'	10'	11/02/2022	7.94	-	-	-
SS22@10.5'	10.5'	11/02/2022	7.84	-	-	-
SS23@13'	13'	11/02/2022	8.42	-	-	-
SS24@11'	11'	11/03/2022	7.93	-	-	-
SS25@8.5'	8.5'	11/03/2022	8.24	-	-	-
SS26@10'	10'	11/03/2022	8.13	-	-	-
SS27@13'	13'	11/03/2022	8.11	-	-	-
SS28@10'	10'	11/03/2022	7.41	-	-	-
SS29@10'	10'	11/03/2022	9.05	-	-	-
SS30@13'	13'	11/03/2022	8.51	-	-	-
SS31@10'	10'	11/03/2022	8.56	-	-	-
SS32@10'	10'	11/07/2022	7.19	-	-	-

TABLE 5
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - SOIL RECLAMATION - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
SS33@10'	10'	11/07/2022	8.05	-	-	-
SS34@8.5'	8.5'	11/07/2022	7.99	-	-	-
SS35@10'	10'	11/07/2022	7.54	-	-	-
SS36@8.5'	8.5'	11/07/2022	8.30*	-	-	-
SS37@8.5'	8.5'	11/07/2022	8.48	-	-	-
SS38@10'	10'	11/07/2022	8.30*	-	-	-
SS39@11'	11'	11/07/2022	8.58	-	-	-
SS40@8.5'	8.5'	11/08/2022	7.82	-	-	-
SS41@11'	11'	11/08/2022	8.31	-	-	-
SS43@11'	11'	11/08/2022	8.07	-	-	-
SS44@8.5'	8.5'	11/08/2022	6.44	-	-	-
SS45@11'	11'	11/09/2022	7.05	-	-	-
SS46@8.5'	8.5'	11/09/2022	8.27	-	-	-
SS47@11'	11'	11/09/2022	7.31	-	-	-
SS48@8.5'	8.5'	11/09/2022	8.15	-	-	-
SS49@11'	11'	11/10/2022	8.15	-	-	-
SS50@8.5'	8.5'	11/10/2022	8.09	-	-	-
SS51@12'	12'	11/10/2022	8.36	-	-	-
SS52@8.5'	8.5'	11/10/2022	8.06	-	-	-
MW01@13'	13'	06/26/2023	8.19	-	-	-
MW01@20'	20'	06/26/2023	7.45	-	-	-
MW02@14'	14'	06/26/2023	8.19	-	-	-
MW02@19'	19'	06/26/2023	7.51	-	-	-
MW03@15'	15'	06/26/2023	6.06	-	-	-
MW03@20'	20'	06/26/2023	7.15	-	-	-
MW04@12'	12'	06/27/2023	7.08	-	-	-
MW04@15'	15'	06/27/2023	7.37	-	-	-
MW05@13'	13'	06/27/2023	7.33	-	-	-
MW05@15'	15'	06/27/2023	6.74	-	-	-
MW06@13'	13'	06/27/2023	7.98	-	-	-

TABLE 5
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - SOIL RECLAMATION - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
MW06@17'	17'	06/27/2023	8.00	-	-	-
MW07@14'	14'	06/27/2023	8.12	-	-	-
MW07@15'	15'	06/27/2023	8.08	-	-	-
MW08@8'	8'	06/28/2023	8.12	-	-	-
MW08@15'	15'	06/28/2023	8.24	-	-	-
MW09@7'	7'	06/28/2023	7.85	-	-	-
MW09@15'	15'	06/28/2023	8.29	-	-	-
MW10@7'	7'	06/28/2023	8.04	-	-	-
MW10@15'	15'	06/28/2023	8.28	-	-	-
MW11@8'	8'	06/28/2023	7.70	-	-	-
MW11@15'	15'	06/28/2023	7.88	-	-	-
MW12@7'	7'	06/28/2023	7.61	-	-	-
MW12@15'	15'	06/28/2023	7.55	-	-	-
BACKGROUND						
BKG01@4"	4"	04/19/2022	7.76	0.0600	0.337	0.340
BG01@6.5'	6.5'	09/09/2022	8.31	-	-	-
BG02@6.5'	6.5'	09/09/2022	8.14	-	-	-
Average Background @ 6.5'			8.23	-	-	-
BG01@6'	6'	06/28/2023	7.87	-	-	-
BG02@6'	6'	06/28/2023	7.97	-	-	-
BG03@6'	6'	06/28/2023	8.04	-	-	-
BG04@6'	6'	06/28/2023	8.02	-	-	-
Average Background @ 6'			7.98	-	-	-
BG01@8'	8'	06/28/2023	6.99	-	-	-
BG02@8'	8'	06/28/2023	7.67	-	-	-
BG03@8'	8'	06/28/2023	7.91	-	-	-
BG04@8'	8'	06/28/2023	7.83	-	-	-
Average Background @ 8'			7.60	-	-	-
BG01@10'	10'	06/28/2023	7.65	-	-	-
BG02@10'	10'	06/28/2023	7.91	-	-	-

TABLE 5
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - SOIL RECLAMATION - LEFT IN PLACE
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
BG03@10'	10'	06/28/2023	7.99	-	-	-
BG04@10'	10'	06/28/2023	8.08	-	-	-
Average Background 10'			7.91	-	-	-
BG01@12'	12'	06/28/2023	7.76	-	-	-
BG02@12'	12'	06/28/2023	7.73	-	-	-
BG03@12'	12'	06/28/2023	7.72	-	-	-
BG04@12'	12'	06/28/2023	7.63	-	-	-
Average Background @ 12'			7.71	-	-	-
BG01@14'	14'	06/28/2023	8.07	-	-	-
BG02@14'	14'	06/28/2023	8.09	-	-	-
BG03@14'	14'	06/28/2023	8.40	-	-	-
BG04@14'	14'	06/28/2023	7.65	-	-	-
Average Background @ 14'			8.05	-	-	-
BG03@20'	20'	06/28/2023	7.82	-	-	-
BG04@20'	20'	06/28/2023	8.12	-	-	-
Average Background @ 20'			7.97	-	-	-

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Soil Suitability for Reclamation (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

pH = Potential of Hydrogen

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Soil Suitability for Reclamation Concentrations

Average background concentration

* Result exceeded the COGCC Table 915-1 standard, but was within site-specific background concentrations

- = Constituent not analyzed

10/29/20 [date] = Data collected by 3rd-party consultant(s)

TABLE 6
CULVER 5-17 TANK BATTERY
GROUNDWATER ANALYTICAL DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ehtylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Benzo(a)A (µg/L)	1-M (µg/L)	2-M (µg/L)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Dissolved Lead (µg/L)
ECMC Organic Compounds in Groundwater and Groundwater Inorganic Parameters ⁽¹⁾		5	560	700	1,400	140	67	67	-	-	-	250 or <1.25 x Background	250 or <1.25 x Background	<1.25 x Background	-
WQCC standards for groundwater ⁽²⁾		-	-	-	-	-	-	-	0.16	-	-	-	-	-	50
EPA standards for tapwater ⁽³⁾		-	-	-	-	-	-	-	-	1.1	3.6	-	-	-	-
GW01	11/09/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	17.7	6.99	7,640	-
BH01	09/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	51.7	130	675	-
	07/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	49.2	200	707	2.20
	10/27/2023	DRY													
	01/25/2024	DRY													
BH02	09/16/2022	10.7	<1.00	<1.00	<1.00	6.68	<2.00	<2.00	-	-	-	51.6	19.0	747	-
	07/13/2023	DES													
BH03	09/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	44.7	21.9	430	-
	07/13/2023	DES													
BH04	09/16/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	37.8	167	770	-
	07/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	37.4	129	814	10.1
	10/27/2023	DRY													
	01/25/2024	DRY													
MW01	07/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	4.44	40.8	61.7	24.2	105	268	1.55
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	3.93	4.56	<0.500	43.0	106	606	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.903	0.724	<0.500	43.8	65.2	332	<0.500
MW02	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	23.2	86.8	236	6.12
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	42.9	109	470	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	51.0	104	366	<0.500
MW03	07/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	29.8	130	285	16.3
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	35.1	55.7	391	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	43.0	74.4	367	<0.500
MW04	07/13/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	31.0	99.0	342	1.28

TABLE 6
CULVER 5-17 TANK BATTERY
GROUNDWATER ANALYTICAL DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ehtylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Benzo(a)A (µg/L)	1-M (µg/L)	2-M (µg/L)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Dissolved Lead (µg/L)
ECMC Organic Compounds in Groundwater and Groundwater Inorganic Parameters ⁽¹⁾		5	560	700	1,400	140	67	67	-	-	-	250 or <1.25 x Background	250 or <1.25 x Background	<1.25 x Background	-
WQCC standards for groundwater ⁽²⁾		-	-	-	-	-	-	-	0.16			-	-	-	50
EPA standards for tapwater ⁽³⁾		-	-	-	-	-	-	-	-	1.1	3.6	-	-	-	-
MW04	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	38.3	58.9	397	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	46.6	75.6	350	<0.500
MW05	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	28.6	87.4	299	4.64
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	37.2	53.5	417	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	44.8	47.2	339	<0.500
MW06	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	4.52	3.96	23.8	120	269	2.48
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	40.4	26.4	368	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	43.8	24.9	408	<0.500
MW07	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	0.852	0.844	21.6	74.6	250	1.17
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	40.3	49.2	403	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	47.0	23.8	419	<0.500
MW08	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	24.0	110	299	1.22
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	40.2	42.3	377	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	55.2	44.3	329	<0.500
MW09	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	24.0	74.0	280	4.40
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	41.7	49.1	367	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	49.8	61.2	325	<0.500
MW10	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	27.6	65.8	285	2.36
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	42.3	46.4	371	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	51.8	61.0	321	<0.500
MW11	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	28.0	68.4	292	1.78
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	41.2	47.6	388	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	50.2	75.6	325	<0.500

TABLE 6
CULVER 5-17 TANK BATTERY
GROUNDWATER ANALYTICAL DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ehtylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Benzo(a)A (µg/L)	1-M (µg/L)	2-M (µg/L)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Dissolved Lead (µg/L)
ECMC Organic Compounds in Groundwater and Groundwater Inorganic Parameters ⁽¹⁾		5	560	700	1,400	140	67	67	-	-	-	250 or <1.25 x Background	250 or <1.25 x Background	<1.25 x Background	-
WQCC standards for groundwater ⁽²⁾		-	-	-	-	-	-	-	0.16	-	-	-	-	-	50
EPA standards for tapwater ⁽³⁾		-	-	-	-	-	-	-	-	1.1	3.6	-	-	-	-
MW12	07/13/2023**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	24.4	97.0	272	<0.500
	10/27/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	40.4	23.5	357	<0.500
	01/25/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.100	<0.500	<0.500	48.4	60.2	358	<0.500

Notes:

(1) Standards for groundwater are taken from ECMC Table 915-1: Organic Compounds in Groundwater and Groundwater Inorganic Parameters (Effective January 15, 2021)

(2) Inorganic standards for groundwater are taken from WQCC Code of Colorado Regulations [5 CCR 1002-41] - Domestic Water Supply - Human Health Standards (Effective June 30, 2020)

(3) Standards for groundwater are taken from EPA Regional Screening Levels (RSLs) for Tapwater, as incorporated by reference in Rule 901.b

ECMC = Colorado Energy & Carbon Management Commission

WQCC = Water Quality Control Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

µg/L = micrograms per liter

mg/L = milligrams per liter

1,2,4-TMB = 1,2,4-Trimethylbenzene

1,3,5-TMB = 1,3,5-Trimethylbenzene

TDS = Total Dissolved Solids

Benzo(a)A = Benzo(a)Anthracene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Groundwater and Groundwater Inorganic Parameters

07/05/2023** [date] = Groundwater elevation above top of screen

DES = Destroyed

TABLE 7
CULVER 5-17 TANK BATTERY
GROUNDWATER ELEVATION DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft.)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
BH01	09/16/2022	5,064.84	12.52	9.24	ND		5,055.60
	07/13/2023	5,075.55	12.50	8.59	ND		5,066.96
	10/27/2023		DRY				
	01/25/2024		DRY				
BH02	09/16/2022	5,063.85	13.14	9.02	9.01	0.01	5,054.84
	07/13/2023		DES				
BH03	09/16/2022	5,060.26	9.14	5.98	5.97	0.01	5,054.29
	07/13/2023		DES				
BH04	09/16/2022	5,062.37	8.37	7.21	ND		5,055.16
	07/13/2023	5,075.30	11.60	6.60	ND		5,068.70
	10/27/2023		DRY				
	01/25/2024		DRY				
MW01	07/13/2023	5,072.94	18.23	4.50	ND		5,068.44
	10/27/2023		18.15	10.45	ND		5,062.49
	01/25/2024		18.06	12.51	ND		5,060.43
MW02	07/13/2023**	5,072.24	18.36	3.87	ND		5,068.37
	10/27/2023		18.07	9.80	ND		5,062.44

TABLE 7
CULVER 5-17 TANK BATTERY
GROUNDWATER ELEVATION DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft.)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
MW02	01/25/2024	5,072.24	17.97	11.85	ND		5,060.39
MW03	07/13/2023	5,073.09	18.24	5.23	ND		5,067.86
	10/27/2023		18.20	11.57	ND		5,061.52
	01/25/2024		18.09	13.66	ND		5,059.43
MW04	07/13/2023	5,072.44	13.66	4.15	ND		5,068.29
	10/27/2023		13.66	10.11	ND		5,062.33
	01/25/2024		13.64	12.15	ND		5,060.29
MW05	07/13/2023**	5,070.38	15.52	2.65	ND		5,067.73
	10/27/2023		15.53	8.10	ND		5,062.28
	01/25/2024		15.32	10.15	ND		5,060.23
MW06	07/13/2023**	5,070.82	16.82	3.07	ND		5,067.75
	10/27/2023		16.75	8.49	ND		5,062.33
	01/25/2024		16.40	10.49	ND		5,060.33
MW07	07/13/2023**	5,070.86	14.70	3.09	ND		5,067.77
	10/27/2023		14.46	8.43	ND		5,062.43
	01/25/2024		14.56	10.45	ND		5,060.41
MW08	07/13/2023**	5,070.63	14.59	3.39	ND		5,067.24

TABLE 7
CULVER 5-17 TANK BATTERY
GROUNDWATER ELEVATION DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft.)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
MW08	10/27/2023	5,070.63	14.26	8.13	ND		5,062.50
	01/25/2024		13.94	10.15	ND		5,060.48
MW09	07/13/2023**	5,068.99	14.72	3.32	ND		5,065.67
	10/27/2023		13.39	6.60	ND		5,062.39
	01/25/2024		13.20	8.61	ND		5,060.38
MW10	07/13/2023**	5,069.38	14.86	3.27	ND		5,066.11
	10/27/2023		13.63	7.04	ND		5,062.34
	01/25/2024		13.62	9.03	ND		5,060.35
MW11	07/13/2023**	5,068.74	14.85	2.87	ND		5,065.87
	10/27/2023		13.60	6.50	ND		5,062.24
	01/25/2024		13.58	8.51	ND		5,060.23
MW12	07/13/2023**	5,068.88	14.93	2.35	ND		5,066.53
	10/27/2023		14.19	6.66	ND		5,062.22
	01/25/2024		14.16	8.69	ND		5,060.19

Notes:

* Groundwater elevation was corrected for product thickness (when present) using the following calculation:

Groundwater elevation = (TOC Elevation - Measured Depth to Water)+(LNAPL Thickness in Well x LNAPL Relative Density)

LNAPL relative density was estimated to be approximately 0.75

TABLE 7
CULVER 5-17 TANK BATTERY
GROUNDWATER ELEVATION DATA
EXTRACTION OIL & GAS, INC.



Groundwater Sample ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft.)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
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Definitions:

ft. = feet

AMSL = Above Mean Sea Level

LNAPL = Light Non-Aqueous Phase Liquid

ND = Not detected

DES = Destroyed

07/05/2023** [date] = Groundwater elevation above top of screen

TABLES

IMPACTED MATERIAL REMOVED

TABLE 1
CULVER 5-17 TANK BATTERY
SOIL SAMPLE LOCATIONS - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
FL/SEP04@4'	4'	04/19/2022	50.1	40.052652	-105.137811	-	Y
AST01@3"	3"	04/19/2022	35.4	-	-	-	Y
AST02@2"	2"	04/19/2022	16.8	-	-	-	Y
PWV01B@4'	4'	04/19/2022	426.8	40.052562	-105.138046	-	Y
PWV01N@3'	3'	04/19/2022	8.8	40.052574	-105.138045	-	Y
PWV01E@3.5'	3.5'	04/19/2022	1780	40.052576	-105.138031	-	Y
PWV01S@1'	1'	04/19/2022	23.2	40.052549	-105.138026	-	Y
PWV01W@2'	2'	04/19/2022	940.4	40.052545	-105.138052	-	Y
BH02@7'	7'	09/09/2022	1,793	40.052609	-105.137895	1.4	Y
BH03@8.5'	8.5'	09/09/2022	NA	40.052452	-105.137941	1.4	Y
SP-CS01	-	10/06/2022	-	-	-	-	Y
SP-CS02	-	10/06/2022	-	-	-	-	Y
SP-CS03	-	10/06/2022	-	-	-	-	Y
SP-CS04	-	10/06/2022	-	-	-	-	Y
SP-CS05	-	10/06/2022	-	-	-	-	Y
SP-CS06	-	10/06/2022	-	-	-	-	Y
SP-CS07	-	10/06/2022	-	-	-	-	Y
SP-CS08	-	10/06/2022	-	-	-	-	Y
SP-CS09	-	10/06/2022	-	-	-	-	Y
SS02@7'	7'	10/27/2022	402.2	40.052526	-105.137872	1.3	Y
SS11@9.5'	9.5'	11/01/2022	557.4	40.052487	-105.137806	1	Y
SS15@8.5'	8.5'	11/01/2022	11.7	40.052474	-105.137831	1.2	Y
SS19@8'	8'	11/02/2022	227.1	40.052586	-105.137757	1	Y
SS42@8.5'	8.5'	11/08/2022	2.3	40.052573	-105.138065	1	Y
BACKGROUND							
BKG01@4"	4"	04/19/2022	-	40.051679	-105.139727	-	Y
BG01@6.5'	6.5'	09/09/2022	0.0	-	-	-	Y
BG02@6.5'	6.5'	09/09/2022	0.0	-	-	-	Y
BG01@6'	6'	06/28/2023	0.4	40.052627	-105.137418	-	Y
BG01@8'	8'	06/28/2023	0.3	40.052627	-105.137418	-	Y
BG01@10'	10'	06/28/2023	0.0	40.052627	-105.137418	-	Y
BG01@12'	12'	06/28/2023	0.1	40.052627	-105.137418	-	Y
BG01@14'	14'	06/28/2023	0.1	40.052627	-105.137418	-	Y
BG02@6'	6'	06/28/2023	-	40.052764	-105.137515	-	Y

TABLE 1
CULVER 5-17 TANK BATTERY
SOIL SAMPLE LOCATIONS - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BG02@8'	8'	06/28/2023	-	40.052764	-105.137515	-	Y
BG02@10'	10'	06/28/2023	-	40.052764	-105.137515	-	Y
BG02@12'	12'	06/28/2023	0.4	40.052764	-105.137515	-	Y
BG02@14'	14'	06/28/2023	0.1	40.052764	-105.137515	-	Y
BG03@6'	6'	06/28/2023	-	40.052685	-105.138085	-	Y
BG03@8'	8'	06/28/2023	0.2	40.052685	-105.138085	-	Y
BG03@10'	10'	06/28/2023	0.2	40.052685	-105.138085	-	Y
BG03@12'	12'	06/28/2023	0.4	40.052685	-105.138085	-	Y
BG03@14'	14'	06/28/2023	0.6	40.052685	-105.138085	-	Y
BG03@20'	20'	06/28/2023	0.4	40.052685	-105.138085	-	Y
BG04@6'	6'	06/28/2023	0.3	40.052333	-105.138356	-	Y
BG04@8'	8'	06/28/2023	0.1	40.052333	-105.138356	-	Y
BG04@10'	10'	06/28/2023	0.1	40.052333	-105.138356	-	Y
BG04@12'	12'	06/28/2023	-	40.052333	-105.138356	-	Y
BG04@14'	14'	06/28/2023	0.0	40.052333	-105.138356	-	Y
BG04@20'	20'	06/28/2023	0.7	40.052333	-105.138356	-	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

10/29/20 [date] = Data collected by 3rd-party consultant(s)

TABLE 2
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - VOCs - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
FL/SEP04@4'	4'	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<100			<0.00200	<0.00200
AST01@3"	3"	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<100			<0.00200	<0.00200
AST02@2"	2"	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	172.2			<0.00200	<0.00200
PWV01B@4'	4'	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	0.02430	725.5			<0.00200	<0.00200
PWV01N@3'	3'	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00335	<100			<0.00200	<0.00200
PWV01E@3.5'	3.5'	04/19/2022	0.00664	<0.00200	<0.00200	0.00336	0.715	2,335.2			0.0801	<0.00200
PWV01S@1'	1'	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<100			<0.00200	<0.00200
PWV01W@2'	2'	04/19/2022	<0.00200	<0.00200	<0.00200	<0.00200	0.00571	<100			<0.00200	<0.00200
BH02@7'	7'	09/09/2022	<0.00200	0.0521	0.00738	0.00426	0.582	207	700	127	0.395	<0.00200
BH03@8.5'	8.5'	09/09/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	14.2	<25.0	<100	0.0113	<0.00200
SP-CS01	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS02	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS03	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS04	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS05	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS06	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	117	127	<0.00200	<0.00200
SP-CS07	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS08	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SP-CS09	-	10/06/2022	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SS02@7'	7'	10/27/2022	<0.0020	<0.0050	<0.0050	<0.010	0.035	380	510	<50	<0.0050	<0.0050
SS11@9.5'	9.5'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	0.32	290	290	<50	<0.0050	<0.0050
SS15@8.5'	8.5'	11/01/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SS19@8'	8'	11/02/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

TABLE 2
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - VOCs - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
SS42@8.5'	8.5'	11/08/2022	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

Notes:

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

TVPH - GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH - DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH - ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4 - TMB = 1,2,4 - Trimethylbenzene

1,3,5 - TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

10/29/20 [date] = Data collected by 3rd-party consultant(s)

TABLE 3
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - PAHs - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
PWV01B@4'	4'	04/19/2022	0.0225	<0.0067	0.00858	<0.0067	<0.0067	<0.0067	0.0304	<0.0067	<0.0067	0.0481	<0.0067	0.0907	0.132	0.0108
PWV01N@3'	3'	04/19/2022	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335
PWV01E@3.5'	3.5'	04/19/2022	0.163	0.00909	0.0116	<0.0067	<0.0067	<0.0067	0.0601	<0.0067	0.00554	0.348	<0.0067	1.52	2.75	0.0275
PWV01S@1'	1'	04/19/2022	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
PWV01W@2'	2'	04/19/2022	0.0021	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000801	<0.00067	<0.00067	0.0042	<0.00067	0.0155	0.0268	<0.00067
BH02@7'	7'	09/09/2022	0.114	0.00344	0.00873	<0.00335	<0.00335	<0.00335	0.0361	<0.00335	<0.00335	0.215	<0.00335	1.05	2.53	0.0187
BH03@8.5'	8.5'	09/09/2022	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SS02@7'	7'	10/27/2022	<0.00500	<0.00500	0.0508	0.0343	0.0143	0.0272	0.0997	<0.00500	0.162	0.190	0.0136	0.0991	<0.00500	0.167
SS11@9.5'	9.5'	11/01/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00648	<0.00500	<0.00500	0.0301	<0.00500	0.173	0.408	<0.00500
SS15@8.5'	8.5'	11/01/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS19@8'	8'	11/02/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SS42@8.5'	8.5'	11/08/2022	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Notes:

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenzo(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

TABLE 3
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - PAHs - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180

10/29/20 [date] = Data collected by 3rd-party consultant(s)

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
PWV01B@4'	4'	04/19/2022	3.80	162	0.220	<0.515	16.7	15.4	19.5	0.477	0.0651	70.9
PWV01N@3'	3'	04/19/2022	2.09	115	0.137	<0.246	8.16	8.06	10.2	0.354	0.0404	35.1
PWV01E@3.5'	3.5'	04/19/2022	1.93	128	0.143	<0.514	13.4	10.7	13.6	0.456	0.0526	48.8
PWV01S@1'	1'	04/19/2022	2.52	120	0.146	<0.507	10.0	9.08	11.6	0.385	0.0480	42.0
PWV01W@2'	2'	04/19/2022	2.27	115	0.152	<0.245	9.73	8.86	11.7	0.345	0.0421	42.3
BH02@7'	7'	09/09/2022	-	-	-	-	-	<9.60	-	-	-	-
BH03@8.5'	8.5'	09/09/2022	-	-	-	-	-	<7.50	-	-	-	-
SS02@7'	7'	10/27/2022	-	-	-	-	-	5.63	-	-	-	-
SS11@9.5'	9.5'	11/01/2022	-	-	-	-	-	2.43	-	-	-	-
SS15@8.5'	8.5'	11/01/2022	-	-	-	-	-	4.67	-	-	-	-
SS19@8'	8'	11/02/2022	-	-	-	-	-	10.3	-	-	-	-
SS42@8.5'	8.5'	11/08/2022	-	-	-	-	-	9.20	-	-	-	-
BACKGROUND												
BKG01@4"	4"	04/19/2022	3.28	206	0.0928	<2.5	6.53	11.1	8.13	0.284	0.0753	38.7
Background @ 4" x1.25			4.10	258	0.116	-	8.16	13.9	10.2	0.355	0.0941	48.4
BG01@6.5'	6.5'	09/09/2022	-	-	-	-	-	11.6	-	-	-	-
BG02@6.5'	6.5'	09/09/2022	-	-	-	-	-	<8.78	-	-	-	-
Average Background @ 6.5' x1.25			-	-	-	-	-	14.5	-	-	-	-
BG01@6'	6'	06/28/2023	-	-	-	-	-	14.4	-	-	-	-
BG02@6'	6'	06/28/2023	-	-	-	-	-	14.5	-	-	-	-
BG03@6'	6'	06/28/2023	-	-	-	-	-	11.9	-	-	-	-
BG04@6'	6'	06/28/2023	-	-	-	-	-	11.1	-	-	-	-
Average Background @ 6' x1.25			-	-	-	-	-	16.2	-	-	-	-

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
BG01@8'	8'	06/28/2023	-	-	-	-	-	14.5	-	-	-	-
BG02@8'	8'	06/28/2023	-	-	-	-	-	14.7	-	-	-	-
BG03@8'	8'	06/28/2023	-	-	-	-	-	9.46	-	-	-	-
BG04@8'	8'	06/28/2023	-	-	-	-	-	9.28	-	-	-	-
Average Background @ 8' x1.25			-	-	-	-	-	15.0	-	-	-	-
BG01@10'	10'	06/28/2023	-	-	-	-	-	1.94	-	-	-	-
BG02@10'	10'	06/28/2023	-	-	-	-	-	3.47	-	-	-	-
BG03@10'	10'	06/28/2023	-	-	-	-	-	7.47	-	-	-	-
BG04@10'	10'	06/28/2023	-	-	-	-	-	7.79	-	-	-	-
Average Background @ 10' x1.25			-	-	-	-	-	6.46	-	-	-	-
BG01@12'	12'	06/28/2023	-	-	-	-	-	2.79	-	-	-	-
BG02@12'	12'	06/28/2023	-	-	-	-	-	1.37	-	-	-	-
BG03@12'	12'	06/28/2023	-	-	-	-	-	9.62	-	-	-	-
BG04@12'	12'	06/28/2023	-	-	-	-	-	8.01	-	-	-	-
Average Background @ 12' x1.25			-	-	-	-	-	6.81	-	-	-	-
BG01@14'	14'	06/28/2023	-	-	-	-	-	6.15	-	-	-	-
BG02@14'	14'	06/28/2023	-	-	-	-	-	1.54	-	-	-	-
BG03@14'	14'	06/28/2023	-	-	-	-	-	2.23	-	-	-	-
BG04@14'	14'	06/28/2023	-	-	-	-	-	3.10	-	-	-	-
Average Background @ 14' x1.25			-	-	-	-	-	4.07	-	-	-	-
BG03@20'	20'	06/28/2023	-	-	-	-	-	2.31	-	-	-	-
BG04@20'	20'	06/28/2023	-	-	-	-	-	7.02	-	-	-	-
Average Background @ 20' x1.25			-	-	-	-	-	5.83	-	-	-	-

TABLE 4
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - METALS - REMOVED
EXTRACTION OIL & GAS, INC.

Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory minimum detection limit

mg/kg = milligrams per kilogram

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations

Average background concentration x1.25

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 Standard

- = Constituent not analyzed

10/29/20 [date] = Data collected by 3rd-party consultant(s)

TABLE 5
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - SOIL RECLAMATION - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
FL/SEP04@4'	4'	04/19/2022	8.25	0.249	0.379	0.281
AST01@3"	3"	04/19/2022	8.19	0.0400	0.248	<0.0994
AST02@2"	2"	04/19/2022	8.29	0.336	0.255	<0.100
PWV01B@4'	4'	04/19/2022	8.78	1.080	1.080	0.399
PWV01N@3'	3'	04/19/2022	8.53	0.111	0.266	<0.100
PWV01E@3.5'	3.5'	04/19/2022	8.67	0.987	0.581	0.723
PWV01S@1'	1'	04/19/2022	8.48	0.0570	0.272	0.241
PWV01W@2'	2'	04/19/2022	8.47	0.350	0.365	0.709
BH02@7'	7'	09/09/2022	7.91	-	-	-
BH03@8.5'	8.5'	09/09/2022	8.45	-	-	-
SS02@7'	7'	10/27/2022	9.21	-	-	-
SS11@9.5'	9.5'	11/01/2022	8.21	-	-	-
SS15@8.5'	8.5'	11/01/2022	8.22	-	-	-
SS19@8'	8'	11/02/2022	8.07	-	-	-
SS42@8.5'	8.5'	11/08/2022	7.73	-	-	-
BACKGROUND						
BKG01@4"	4"	04/19/2022	7.76	0.0600	0.337	0.340
BG01@6.5'	6.5'	09/09/2022	8.31	-	-	-
BG02@6.5'	6.5'	09/09/2022	8.14	-	-	-
Average Background @ 6.5'			8.23	-	-	-
BG01@6'	6'	06/28/2023	7.87	-	-	-
BG02@6'	6'	06/28/2023	7.97	-	-	-
BG03@6'	6'	06/28/2023	8.04	-	-	-
BG04@6'	6'	06/28/2023	8.02	-	-	-
Average Background @ 6'			7.98	-	-	-
BG01@8'	8'	06/28/2023	6.99	-	-	-
BG02@8'	8'	06/28/2023	7.67	-	-	-
BG03@8'	8'	06/28/2023	7.91	-	-	-
BG04@8'	8'	06/28/2023	7.83	-	-	-
Average Background @ 8'			7.60	-	-	-

TABLE 5
CULVER 5-17 TANK BATTERY
SOIL ANALYTICAL DATA - SOIL RECLAMATION - REMOVED
EXTRACTION OIL & GAS, INC.



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
BG01@10'	10'	06/28/2023	7.65	-	-	-
BG02@10'	10'	06/28/2023	7.91	-	-	-
BG03@10'	10'	06/28/2023	7.99	-	-	-
BG04@10'	10'	06/28/2023	8.08	-	-	-
Average Background 10'			7.91	-	-	-
BG01@12'	12'	06/28/2023	7.76	-	-	-
BG02@12'	12'	06/28/2023	7.73	-	-	-
BG03@12'	12'	06/28/2023	7.72	-	-	-
BG04@12'	12'	06/28/2023	7.63	-	-	-
Average Background @ 12'			7.71	-	-	-
BG01@14'	14'	06/28/2023	8.07	-	-	-
BG02@14'	14'	06/28/2023	8.09	-	-	-
BG03@14'	14'	06/28/2023	8.40	-	-	-
BG04@14'	14'	06/28/2023	7.65	-	-	-
Average Background @ 14'			8.05	-	-	-
BG03@20'	20'	06/28/2023	7.82	-	-	-
BG04@20'	20'	06/28/2023	8.12	-	-	-
Average Background @ 20'			7.97	-	-	-

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Soil Suitability for Reclamation (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

pH = Potential of Hydrogen

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Soil Suitability for Reclamation Concentrations

Average background concentration

- = Constituent not analyzed

10/29/20 [date] = Data collected by 3rd-party consultant(s)

LABORATORY ANALYTICAL DATA

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 05, 2024

Sam Vogt

Tasman Geosciences

6855 W. 119th Ave.

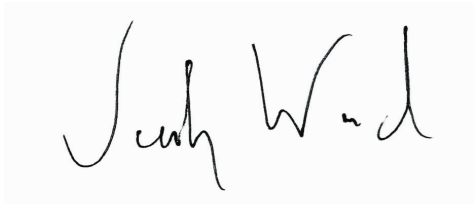
Broomfield, CO 80020

RE: Civitas - Culver 5-17 Tank Battery

Work Order #2401468

Enclosed are the results of analyses for samples received by Summit Scientific on 01/25/24 18:02. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury

President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071

Project Manager: Sam Vogt

Reported:
02/05/24 10:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	2401468-01	Water	01/25/24 11:18	01/25/24 18:02
MW02	2401468-02	Water	01/25/24 10:53	01/25/24 18:02
MW03	2401468-03	Water	01/25/24 11:19	01/25/24 18:02
MW04	2401468-04	Water	01/25/24 09:21	01/25/24 18:02
MW05	2401468-05	Water	01/25/24 09:47	01/25/24 18:02
MW06	2401468-06	Water	01/25/24 10:27	01/25/24 18:02
MW07	2401468-07	Water	01/25/24 10:41	01/25/24 18:02
MW08	2401468-08	Water	01/25/24 10:46	01/25/24 18:02
MW09	2401468-09	Water	01/25/24 10:18	01/25/24 18:02
MW10	2401468-10	Water	01/25/24 10:14	01/25/24 18:02
MW11	2401468-11	Water	01/25/24 09:55	01/25/24 18:02
MW12	2401468-12	Water	01/25/24 09:48	01/25/24 18:02

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

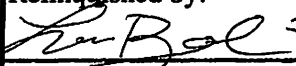

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2401468	

Send Data To:		Send Invoice To:
Client: Civitas/Tasman	Project Manager: Sam Vogt/Jacob Evans	Company:
Address: 6855 W. 119th Ave	E-Mail: svgot@tasman-geo.com; jevans@civiresources.com	Project Name/Location:
City/State/Zip: Broomfield, CO 80020		AFE#: 22071
Phone: PM (610) 405-9078	Project Name: Culver 5-17 Tank Battery	PO/Billing Codes: 8523.198
Sampler Name: LB, JH, SW	Project Number:	Contact:

					Preservative				Matrix			Analysis Requested								Special Instructions	
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN	1,2,4 + 1,3,5 TMBs	TPH (GRO, DRO, ORO)	Chloride	Sulfate	TDS	PAHs: 1-M, 2-M, Benzo(a)anthracene	Dissolved Pb **	
1	MW01	1/25/24	17:18	7	3		4		X				X	X		X	X	X	X	X	
2	MW02		17:53																		
3	MW03		17:29																		
4	MW04		09:21																		
5	MW05		09:47																		
6	MW06		10:27																		
7	MW07		10:41																		
8	MW08		10:46	↓	↓		↓														
9	MW09		10:18	8	3		5														
10	MW10		10:14	7	3		4														
11	MW11		09:55	↓	↓		↓														
12	MW12	✓	09:48	↓	↓		↓		↓				✓	↓		✓	✓	↓	↓	↓	
13																					
14																					
15																					

Relinquished by: 	Date/Time: 1/25/24/14:45	Received by: Tasman Lockbox	Date/Time: 1/25/24/14:45	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: Tasman Lockbox	Date/Time: 1/25/24/1802	Received by: 	Date/Time: 1/25/24/1802	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: 0.0	Corrected Temperature: 8	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2401468Client: Curtas Tasman

Client Project ID:

Culver S-17 Tank Battery

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

	-			
--	---	--	--	--

Matrix (Check all that apply)

Air

☐

Soil/Solid

☐

Water

☒

Other

☐

Temp (°C)

6.6

Thermometer #

1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>no ice</u>
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>HCl</u>
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

AS
Custodian Printed Name

1/25/24
Date/Time



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW01
2401468-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.8	103 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	100 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	15.5	116 %		21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzo (a) anthracene	0.903	0.100		ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	0.724	0.500		"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500		"	"	"	"	"	"	

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 2-Methylnaphthalene-d10	0.994	49.7 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.51	75.5 %		40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW01
2401468-01 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	43.8	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	65.2	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 11:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	332	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW02
2401468-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.6	102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.2	98.9 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.10	55.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.30	65.0 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW02
2401468-02 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	51.0	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	104	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	366	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

Summit Scientific

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6855 W. 119th Ave.
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Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071

Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW03
2401468-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.8	104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.4	100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.5	101 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.19	59.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.48	73.8 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Tasman Geosciences
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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW03
2401468-03 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	43.0	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	74.4	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 11:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	367	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW04
2401468-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	14.0	105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.3 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.34	67.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.00	50.2 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW04
2401468-04 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	46.6	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	75.6	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 09:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	350	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

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Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW05
2401468-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.8	104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.2	99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.0	97.7 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.05	52.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.48	73.9 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW05
2401468-05 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	44.8	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	47.2	15.0	"	50	"	"	01/29/24	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	339	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

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Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071

Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW06
2401468-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.7	103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.0	97.7 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.20	60.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.54	76.8 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW06
2401468-06 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	43.8	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	24.9	15.0	"	50	"	"	01/29/24	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	408	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

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Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW07
2401468-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.9	104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.4	101 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.817	40.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.25	62.5 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW07
2401468-07 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	47.0	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	23.8	15.0	"	50	"	"	01/29/24	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	419	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

Summit Scientific

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Tasman Geosciences
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Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW08
2401468-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.7	103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.4	100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.9	97.0 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.959	48.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.50	74.9 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW08
2401468-08 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	55.2	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	44.3	15.0	"	50	"	"	01/29/24	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 10:46**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	329	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
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Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071

Project Manager: Sam Vogt

Reported:

02/05/24 10:05

MW09

2401468-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 01/25/24 10:18

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: 01/25/24 10:18

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.6	102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.2	98.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	96.1 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: 01/25/24 10:18

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: 01/25/24 10:18

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.976	48.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.44	72.0 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW09
2401468-09 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 10:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 10:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	49.8	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	61.2	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 10:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	325	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

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Tasman Geosciences
6855 W. 119th Ave.
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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW10
2401468-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.9	104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.5	101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	96.3 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.973	48.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.26	62.9 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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6855 W. 119th Ave.
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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW10
2401468-10 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	51.8	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	61.0	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 10:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	321	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

Summit Scientific

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Tasman Geosciences
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Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW11
2401468-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.8	103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	96.4 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.996	49.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.53	76.5 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW11
2401468-11 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	50.2	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	75.6	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 09:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	325	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

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Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071

Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW12
2401468-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BHA1022	01/29/24	02/01/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	14.0	105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.4	101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	96.2 %	21-167		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzo (a) anthracene	ND	0.100	ug/l	1	BHA0969	01/29/24	01/30/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.860	43.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.36	68.1 %	40-150		"	"	"	"	

Dissolved Metals by EPA Method 200.8

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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

MW12
2401468-12 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Lead	ND	0.500	ug/l	1	BHA1012	01/29/24	01/30/24	EPA 200.8	

Anions by EPA Method 300.0

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Chloride	48.4	12.0	mg/L	200	BHA0927	01/26/24	01/26/24	EPA 300.0	
Sulfate	60.2	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/25/24 09:48**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Total Dissolved Solids	358	10.0	mg/L	1	BHA1082	01/31/24	01/31/24	SM2540C	

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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHA1022 - EPA 5030 Water MS

Blank (BHA1022-BLK1)

Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		103	23-173			
Surrogate: Toluene-d8	13.4		"	13.3		100	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.9	21-167			

LCS (BHA1022-BS1)

Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	26.4	1.0	ug/l	33.3		79.2	51-132			
Toluene	25.6	1.0	"	33.3		76.7	51-138			
Ethylbenzene	30.5	1.0	"	33.3		91.6	58-146			
m,p-Xylene	61.2	2.0	"	66.7		91.8	57-144			
o-Xylene	25.2	1.0	"	33.3		75.8	53-146			
Naphthalene	28.9	1.0	"	33.3		86.8	70-130			
1,2,4-Trimethylbenzene	26.0	1.0	"	33.3		78.1	70-130			
1,3,5-Trimethylbenzene	26.1	1.0	"	33.3		78.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.3		86.6	23-173			
Surrogate: Toluene-d8	10.6		"	13.3		79.7	20-170			
Surrogate: 4-Bromofluorobenzene	11.2		"	13.3		84.1	21-167			

Matrix Spike (BHA1022-MS1)

Source: 2401459-41

Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	32.6	1.0	ug/l	33.3	ND	97.7	34-141			
Toluene	30.4	1.0	"	33.3	ND	91.2	27-151			
Ethylbenzene	35.6	1.0	"	33.3	ND	107	29-160			
m,p-Xylene	70.0	2.0	"	66.7	ND	105	20-166			
o-Xylene	30.0	1.0	"	33.3	ND	90.0	33-159			
Naphthalene	30.5	1.0	"	33.3	1.62	86.6	70-130			
1,2,4-Trimethylbenzene	28.3	1.0	"	33.3	ND	84.8	70-130			
1,3,5-Trimethylbenzene	27.1	1.0	"	33.3	ND	81.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	11.2		"	13.3		83.9	23-173			
Surrogate: Toluene-d8	10.2		"	13.3		76.3	20-170			
Surrogate: 4-Bromofluorobenzene	14.8		"	13.3		111	21-167			

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Tasman Geosciences
6855 W. 119th Ave.
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Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHA1022 - EPA 5030 Water MS

Matrix Spike Dup (BHA1022-MSD1)	Source: 2401459-41			Prepared: 01/29/24 Analyzed: 01/31/24						
Benzene	35.3	1.0	ug/l	33.3	ND	106	34-141	8.07	30	
Toluene	32.8	1.0	"	33.3	ND	98.3	27-151	7.50	30	
Ethylbenzene	35.2	1.0	"	33.3	ND	106	29-160	1.27	30	
m,p-Xylene	69.4	2.0	"	66.7	ND	104	20-166	0.803	30	
o-Xylene	29.4	1.0	"	33.3	ND	88.2	33-159	2.02	30	
Naphthalene	28.4	1.0	"	33.3	1.62	80.2	70-130	7.24	30	
1,2,4-Trimethylbenzene	26.8	1.0	"	33.3	ND	80.5	70-130	5.23	30	
1,3,5-Trimethylbenzene	25.4	1.0	"	33.3	ND	76.1	70-130	6.56	30	
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	23-173			
Surrogate: Toluene-d8	12.6		"	13.3		94.4	20-170			
Surrogate: 4-Bromofluorobenzene	14.1		"	13.3		106	21-167			

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHA0969 - EPA 5030 Water MS

Blank (BHA0969-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzo (a) anthracene	ND	0.100	ug/l							
1-Methylnaphthalene	ND	0.500	"							
2-Methylnaphthalene	ND	0.500	"							
Surrogate: 2-Methylnaphthalene-d10	0.961		"	2.00		48.1	40-150			
Surrogate: Fluoranthene-d10	1.58		"	2.00		78.9	40-150			

LCS (BHA0969-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzo (a) anthracene	1.56	0.100	ug/l	2.00		78.1	30-120			
1-Methylnaphthalene	1.40	0.500	"	2.00		69.8	30-120			
2-Methylnaphthalene	1.80	0.500	"	2.00		90.0	0-200			
Surrogate: 2-Methylnaphthalene-d10	1.45		"	2.00		72.3	40-150			
Surrogate: Fluoranthene-d10	1.65		"	2.00		82.6	40-150			

LCS Dup (BHA0969-BSD1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzo (a) anthracene	1.74	0.100	ug/l	2.00		86.9	30-120	10.7	30	
1-Methylnaphthalene	1.57	0.500	"	2.00		78.7	30-120	12.1	30	
2-Methylnaphthalene	1.64	0.500	"	2.00		82.0	0-200	9.27	200	
Surrogate: 2-Methylnaphthalene-d10	1.70		"	2.00		84.8	40-150			
Surrogate: Fluoranthene-d10	1.81		"	2.00		90.5	40-150			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

Dissolved Metals by EPA Method 200.8 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHA1012 - EPA 200.8

Blank (BHA1012-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

Lead ND 0.500 ug/l

LCS (BHA1012-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

Lead 255 0.500 ug/l 250 102 85-115

Duplicate (BHA1012-DUP1)

Source: 2401437-01

Prepared: 01/29/24 Analyzed: 01/30/24

Lead ND 0.500 ug/l ND 20

Matrix Spike (BHA1012-MS1)

Source: 2401437-01

Prepared: 01/29/24 Analyzed: 01/30/24

Lead 255 0.500 ug/l 250 ND 102 70-130

Matrix Spike Dup (BHA1012-MSD1)

Source: 2401437-01

Prepared: 01/29/24 Analyzed: 01/30/24

Lead 259 0.500 ug/l 250 ND 104 70-130 1.78 25

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery
Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHA0927 - General Preparation

Blank (BHA0927-BLK1)

Prepared & Analyzed: 01/26/24

Chloride	ND	0.0600	mg/L
Sulfate	ND	0.300	"

LCS (BHA0927-BS1)

Prepared & Analyzed: 01/26/24

Chloride	2.96	0.0600	mg/L	3.00	98.6	90-110
Sulfate	14.4	0.300	"	15.0	96.2	90-110

Duplicate (BHA0927-DUP1)

Source: 2401441-01

Prepared & Analyzed: 01/26/24

Chloride	40.0	12.0	mg/L	41.2	2.96	20	
Sulfate	85.4	60.0	"	107	22.6	20	QR-01

Matrix Spike (BHA0927-MS1)

Source: 2401441-01

Prepared & Analyzed: 01/26/24

Chloride	644	12.0	mg/L	600	41.2	101	80-120
Sulfate	2970	60.0	"	3000	107	95.4	80-120

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071

Project Manager: Sam Vogt

Reported:
02/05/24 10:05

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BHA1082 - General Preparation

Blank (BHA1082-BLK1)

Prepared & Analyzed: 01/31/24

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BHA1082-DUP1)

Source: 2401468-01

Prepared & Analyzed: 01/31/24

Total Dissolved Solids 354 10.0 mg/L 332 6.50 20

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Culver 5-17 Tank Battery

Project Number: 22071
Project Manager: Sam Vogt

Reported:
02/05/24 10:05

Notes and Definitions

QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference