Culver 5-17 Tank Battery

SWNE Sec. 17-T1N-R69W

Remediation Project #: 22770

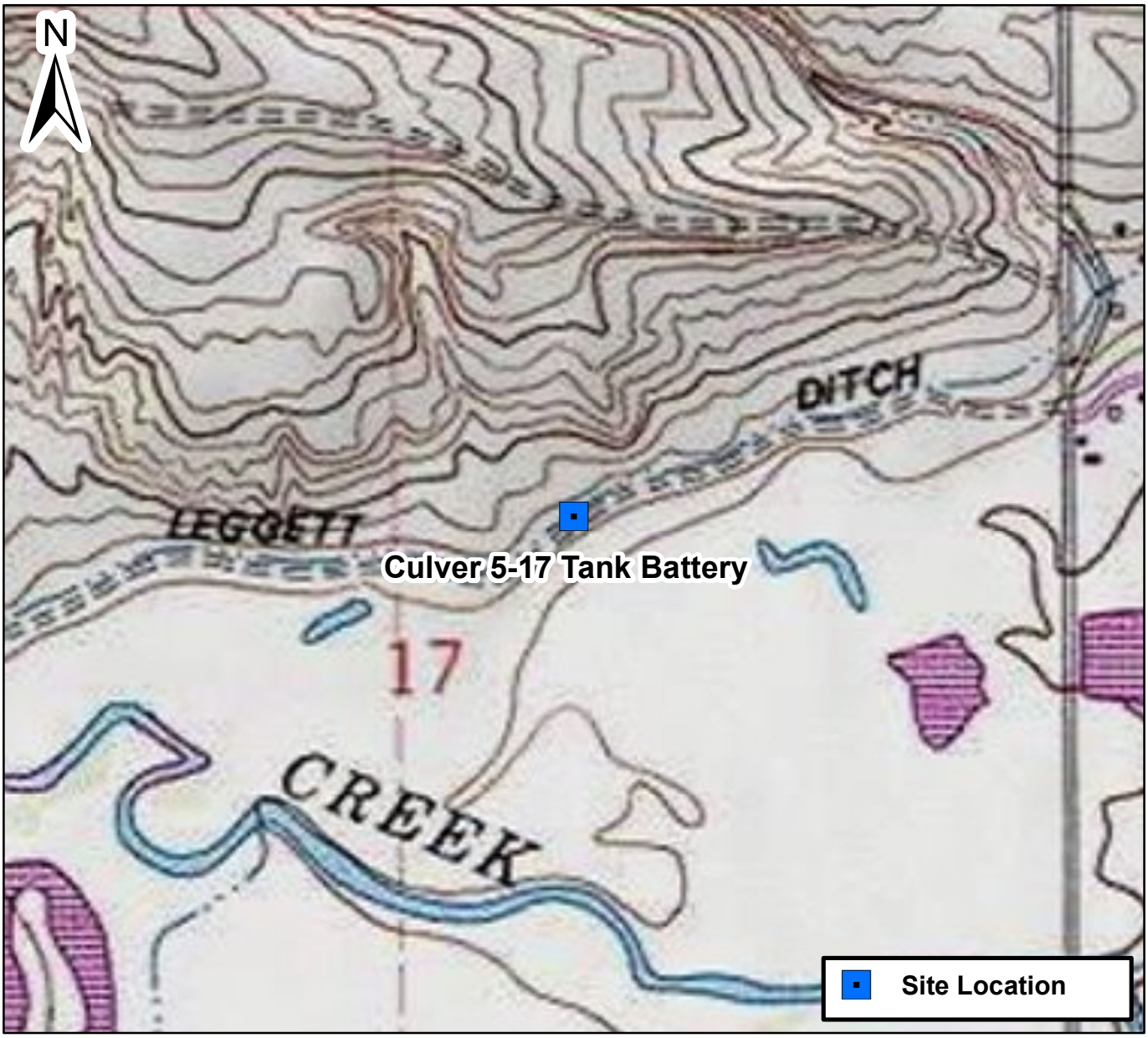
Fourth Quarter 2023 Groundwater Monitoring

October 2023

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

TASMAN

Drawn By: LR
Date: 1/31/2023

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

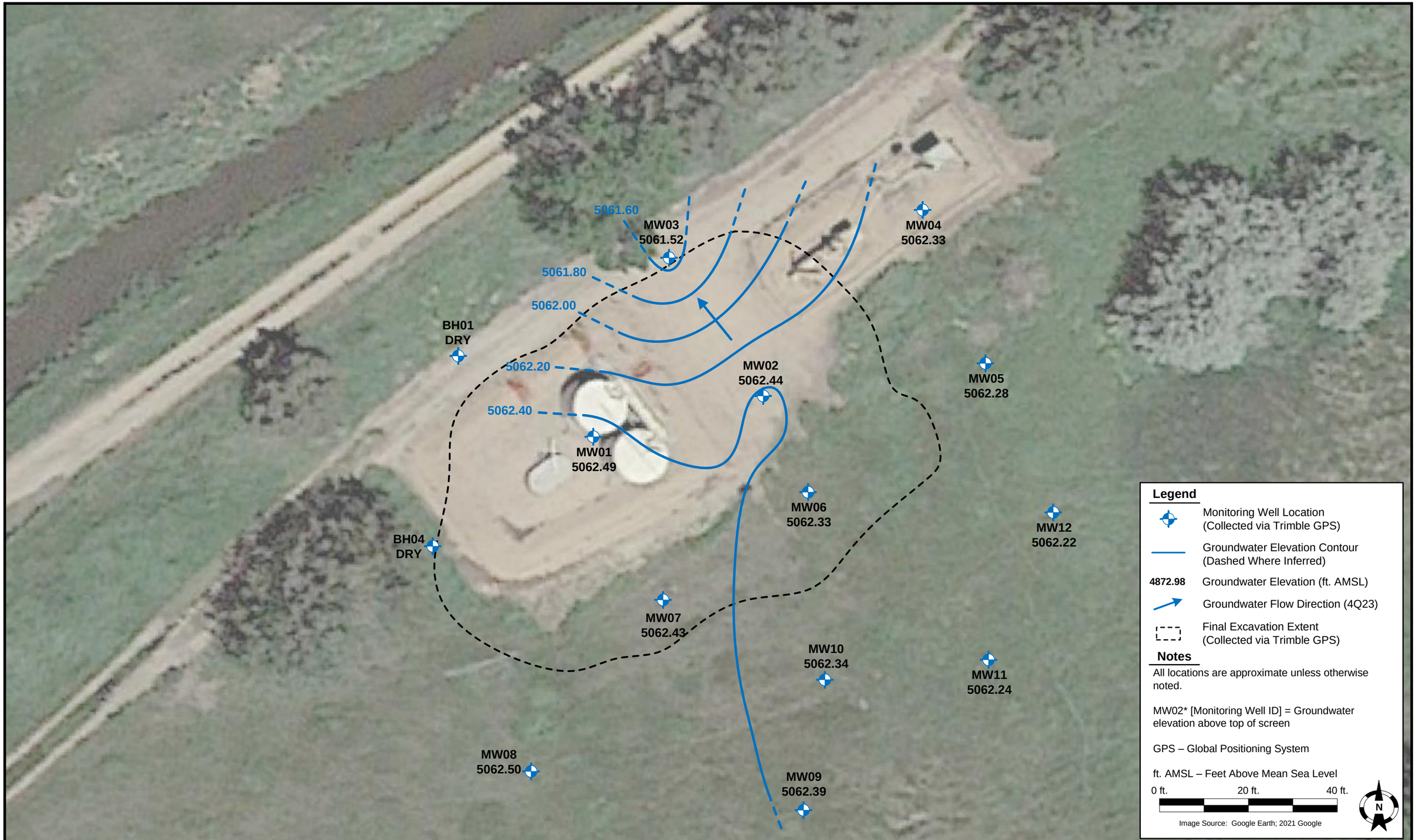
TASMAN

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

Site Overview Map

Figure
2



DATE:	December 15, 2023
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Reed

TASMAN

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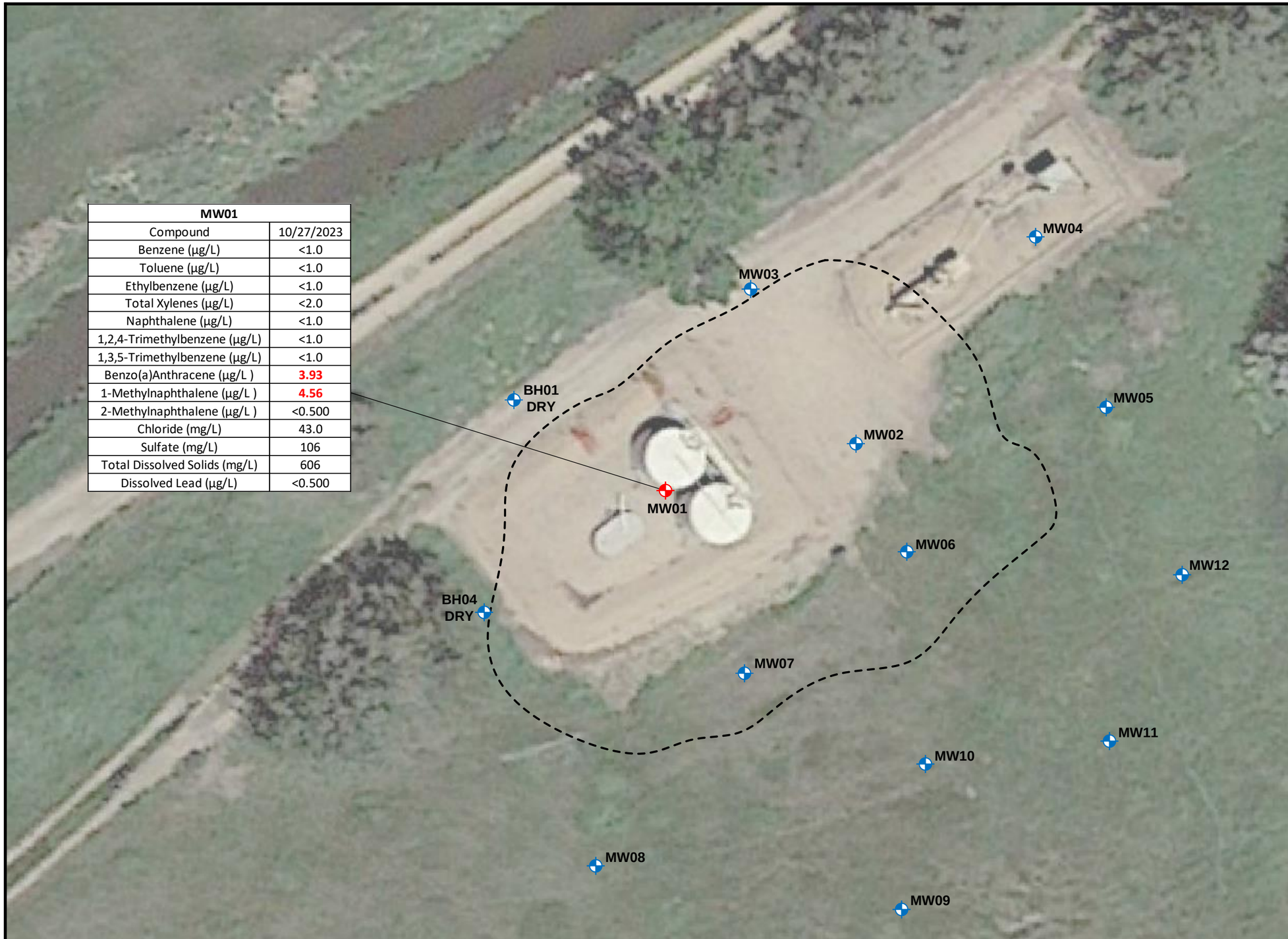
Broomfield, CO 80020

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

Groundwater Elevation Contour Map (10/27/2023)

FIGURE 3



MW01	
Compound	10/27/2023
Benzene (µg/L)	<1.0
Toluene (µg/L)	<1.0
Ethylbenzene (µg/L)	<1.0
Total Xylenes (µg/L)	<2.0
Naphthalene (µg/L)	<1.0
1,2,4-Trimethylbenzene (µg/L)	<1.0
1,3,5-Trimethylbenzene (µg/L)	<1.0
Benzo(a)Anthracene (µg/L)	**3.93**
1-Methylnaphthalene (µg/L)	**4.56**
2-Methylnaphthalene (µg/L)	<0.500
Chloride (mg/L)	43.0
Sulfate (mg/L)	106
Total Dissolved Solids (mg/L)	606
Dissolved Lead (µg/L)	<0.500

Legend

Monitoring Well location – Below Applicable Groundwater Standards (Collected via Trimble GPS)

Monitoring Well Location – Exceeded Applicable Groundwater Standards (Collected via Trimble GPS)

Final Excavation Extent (Collected via Trimble GPS)

Groundwater Standards	
Compound	Date
Benzene (µg/L)	5
Toluene (µg/L)	560
Ethylbenzene (µg/L)	700
Total Xylenes (µg/L)	1,400
Naphthalene (µg/L)	140
1,2,4-Trimethylbenzene (µg/L)	67
1,3,5-Trimethylbenzene (µg/L)	67
Benzo(a)Anthracene (µg/L)	0.0048
1-Methylnaphthalene (µg/L)	1.1
2-Methylnaphthalene (µg/L)	3.6
Chloride (mg/L)	250 / 1.25 x Local Background
Sulfate (mg/L)	250 / 1.25 x Local Background
Total Dissolved Solids (mg/L)	1.25 x Local Background
Dissolved Lead (µg/L)	50

Notes

All locations are approximate unless otherwise noted.

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

BOLD = Analytical result is in exceedance of applicable groundwater standards

GPS – Global Positioning System

µg/L – micrograms per liter

mg/L – Milligrams per liter

0 ft. 20 ft. 40 ft.

Image Source: Google Earth

N

DATE:	December 15, 2023
DESIGNED BY:	S. Vogt
DRAWN BY:	S. 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 (10/27/2023)

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

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)
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)

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.

TASMAN

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.

TASMAN

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.

TASMAN

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.

TASMAN

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

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

TASMAN

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

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**
SS52@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
MW01@13'	13'	06/26/2023	<0.00500	<0.00500	**0.0527**	<0.00500	<0.00500	<0.00500	0.0219	<0.00500	<0.00500	0.0885	<0.00500	**0.495**	**2.24**	0.0192
MW01@20'	20'	06/26/2023	<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
MW02@14'	14'	06/26/2023	<0.00500	0.0252	**0.0712**	0.0429	0.0152	0.0303	0.0810	<0.00500	0.257	0.0976	0.0185	**0.257**	**0.356**	0.216
MW02@19'	19'	06/26/2023	<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
MW03@15'	15'	06/26/2023	<0.00500	<0.00500	**0.016**	<0.00500	<0.00500	<0.00500	0.00849	<0.00500	<0.00500	0.0740	<0.00500	**0.302**	**0.463**	<0.00500
MW03@20'	20'	06/26/2023	<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
MW04@12'	12'	06/27/2023	<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
MW04@15'	15'	06/27/2023	<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
MW05@13'	13'	06/27/2023	<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
MW05@15'	15'	06/27/2023	<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
MW06@13'	13'	06/27/2023	<0.00500	0.0370	**0.0308**	0.0238	0.00872	0.0156	0.0577	<0.00500	0.164	0.0992	0.00995	**0.295**	**0.783**	0.117
MW06@17'	17'	06/27/2023	<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
MW07@14'	14'	06/27/2023	<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
MW07@15'	15'	06/27/2023	<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
MW08@8'	8'	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
MW08@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
MW09@7'	7'	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
MW09@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
MW10@7'	7'	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
MW10@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
MW11@8'	8'	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
MW11@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
MW12@7'	7'	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

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 = Dibenz(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	-	-	-	-
SS26@10'	10'	11/03/2022	-	-	-	-	-	3.44	-	-	-	-

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
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	-	-	-	-
SS50@8.5'	8.5'	11/10/2022	-	-	-	-	-	8.00	-	-	-	-
SS51@12'	12'	11/10/2022	-	-	-	-	-	8.70	-	-	-	-

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**
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	-	-	-	-
MW11@8'	8'	06/28/2023	-	-	-	-	-	10.9	-	-	-	-
MW11@15'	15'	06/28/2023	-	-	-	-	-	**24.1**	-	-	-	-
MW12@7'	7'	06/28/2023	-	-	-	-	-	13.9	-	-	-	-

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**
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	-	-	-	-
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	-	-	-	-

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**
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"**	4/19/2022	**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'	6/28/2023	7.87	-	-	-
BG02@6'	6'	6/28/2023	7.97	-	-	-
BG03@6'	6'	6/28/2023	8.04	-	-	-
BG04@6'	6'	6/28/2023	8.02	-	-	-
Average Background @ 6'			**7.98**	**-**	**-**	**-**
BG01@8'	8'	6/28/2023	6.99	-	-	-
BG02@8'	8'	6/28/2023	7.67	-	-	-
BG03@8'	8'	6/28/2023	7.91	-	-	-
BG04@8'	8'	6/28/2023	7.83	-	-	-
Average Background @ 8'			**7.60**	**-**	**-**	**-**
BG01@10'	10'	6/28/2023	7.65	-	-	-
BG02@10'	10'	6/28/2023	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'	6/28/2023	7.99	-	-	-
BG04@10'	10'	6/28/2023	8.08	-	-	-
Average Background 10'			**7.91**	**-**	**-**	**-**
BG01@12'	12'	6/28/2023	7.76	-	-	-
BG02@12'	12'	6/28/2023	7.73	-	-	-
BG03@12'	12'	6/28/2023	7.72	-	-	-
BG04@12'	12'	6/28/2023	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'	45105	7.82	-	-	-
BG04@20'	20'	45105	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.

TASMAN

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]		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.0048**			**-**	**-**	**-**	**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													
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													
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
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
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
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
	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
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
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

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]		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.0048**			**-**	**-**	**-**	**50**
EPA standards for tapwater[3]		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.1**	**3.6**	**-**	**-**	**-**	**-**
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
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
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
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
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
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

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
(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				
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				
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
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
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
MW04	07/13/2023	5,072.44	13.66	4.15	ND		5,068.29

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)
MW04	10/27/2023	5,072.44	13.66	10.11	ND		5,062.33
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
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
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
MW08	07/13/2023**	5,070.63	14.59	3.39	ND		5,067.24
	10/27/2023		14.26	8.13	ND		5,062.50
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
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
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
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

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)

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

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 = Dibenz(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

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**

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 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**	**-**	**-**	**-**	**-**
BG01@8'	8'	06/28/2023	-	-	-	-	-	14.5	-	-	-	-

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**
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**	**-**	**-**	**-**	**-**

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)

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**

(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'	4/19/2022	8.25	0.249	0.379	0.281
AST01@3''	3''	4/19/2022	8.19	0.0400	0.248	<0.0994
AST02@2''	2''	4/19/2022	8.29	0.336	0.255	<0.100
PWV01B@4'	4'	4/19/2022	**8.78**	1.080	1.080	0.399
PWV01N@3'	3'	4/19/2022	**8.53**	0.111	0.266	<0.100
PWV01E@3.5'	3.5'	4/19/2022	**8.67**	0.987	0.581	0.723
PWV01S@1'	1'	4/19/2022	**8.48**	0.0570	0.272	0.241
PWV01W@2'	2'	4/19/2022	**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"**	4/19/2022	**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'	6/28/2023	7.87	-	-	-
BG02@6'	6'	6/28/2023	7.97	-	-	-
BG03@6'	6'	6/28/2023	8.04	-	-	-
BG04@6'	6'	6/28/2023	8.02	-	-	-
Average Background @ 6'			**7.98**	**-**	**-**	**-**
BG01@8'	8'	6/28/2023	6.99	-	-	-
BG02@8'	8'	6/28/2023	7.67	-	-	-
BG03@8'	8'	6/28/2023	7.91	-	-	-
BG04@8'	8'	6/28/2023	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'	6/28/2023	7.65	-	-	-
BG02@10'	10'	6/28/2023	7.91	-	-	-
BG03@10'	10'	6/28/2023	7.99	-	-	-
BG04@10'	10'	6/28/2023	8.08	-	-	-
Average Background 10'			**7.91**	**-**	**-**	**-**
BG01@12'	12'	6/28/2023	7.76	-	-	-
BG02@12'	12'	6/28/2023	7.73	-	-	-
BG03@12'	12'	6/28/2023	7.72	-	-	-
BG04@12'	12'	6/28/2023	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'	45105	7.82	-	-	-
BG04@20'	20'	45105	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

November 13, 2023

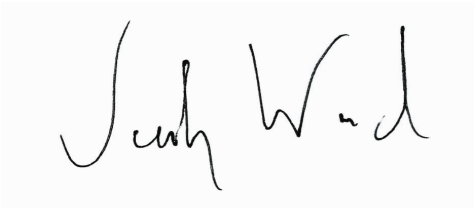
Sam Vogt
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020

RE: Civitas - Culver 5-17 Tank Battery

Work Order #2310550

Enclosed are the results of analyses for samples received by Summit Scientific on 10/27/23 17:42. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jacob Wood For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	2310550-01	Water	10/27/23 13:28	10/27/23 17:42
MW02	2310550-02	Water	10/27/23 12:41	10/27/23 17:42
MW03	2310550-03	Water	10/27/23 10:39	10/27/23 17:42
MW04	2310550-04	Water	10/27/23 10:44	10/27/23 17:42
MW05	2310550-05	Water	10/27/23 11:07	10/27/23 17:42
MW06	2310550-06	Water	10/27/23 12:44	10/27/23 17:42
MW07	2310550-07	Water	10/27/23 13:24	10/27/23 17:42
MW08	2310550-08	Water	10/27/23 12:08	10/27/23 17:42
MW09	2310550-09	Water	10/27/23 11:43	10/27/23 17:42
MW10	2310550-10	Water	10/27/23 12:16	10/27/23 17:42
MW11	2310550-11	Water	10/27/23 11:35	10/27/23 17:42
MW12	2310550-12	Water	10/27/23 11:17	10/27/23 17:42

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
2310550	

	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#:
Phone: PM (610) 405-9078	Project Name: Culver 5-17TB	PO/Billing Codes:
Sampler Name: Lennon Baxel & Gabe Sementza	Project Number:	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative: HCl	HNO3	None	Other ___	Matrix: Water	Soil	Air-Canister #	Other ___	Analysis Requested: BTEXN	1,2,4 + 1,3,5 TMBs	TPH (GRO, DRO, ORO)	Chloride	Sulfate	TDS	PAHs: (1-M, 2-M, ** Anions)	Dissolved Lead (Pb)	Special Instructions
1	MWD1	10.27.23	13:28	6	3		3		X				X	X		X	X	X	X	X	** Anions = Benzo(a)anthracene
2	MWD2		12:41																		
3	MWD3		10:39																		
4	MWD4		10:44																		
5	MWD5		11:07																		
6	MWD6		12:44																		
7	MWD7		13:24																		
8	MWD8		12:03																		
9	MWD9		11:43																		
10	MW10		12:16																		
11	MW11		11:35																		
12	MW 12		11:17																		
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:	TAT Business Days		Field DO	
[signature]	10.27.23/16:05	Tasman Lockbox	10.27.23/16:05	Same Day		Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day		Field ORP	
Tasman Lockbox	102723 1742	[signature]	102723 1742	2 Days		Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days		Field Temp.	
				Standard	X	Field Turb.	

Notes:

Temperature Upon Receipt: 8.0 | Corrected Temperature: 0 | IR gun #: 1 | HNO3 lot #:

S2

Sample Receipt Checklist S2 Work Order# 2310550

Client: Cinda Fasman Client Project ID: Culver 5-17 TB

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #:

[ ] [–] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [ ] Water [ ] Other [ ]

Temp (°C) 8.0 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.	–			on ice
If custody seals are present, are they intact? (1)	–			
Are samples due within 48 hours present?		–		
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		–		
Is a chain-of-custody (COC) form present and filled out Completely? (1)	–			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	–			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)	✓			
Do the sample IDs on the bottle labels match the COC? (1)	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		✓		
Are samples preserved that require preservation (excluding cooling)? (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.	✓			HCl
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	

Additional Comments (If any):

(1) If NO, then contact the client before proceeding with analysis and note in case narrative.

AS
Custodian Printed Name

10/27/23
Date/Time

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW01

2310550-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 13:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/30/23	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: **10/27/23 13:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	14.5	*109 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	14.0	*105 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.3	*107 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 13:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	**3.93**	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	**4.56**	0.500	"	"	"	"	"	"	I-01
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	I-01

Date Sampled: **10/27/23 13:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.98	*98.9 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.77	*88.7 %*	*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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW01

2310550-01 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 13:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 13:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**606**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW02

2310550-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 12:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/30/23	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: **10/27/23 12:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.6	*102 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.4	*101 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.0	*105 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 12:41**

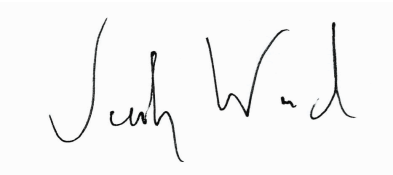
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 12:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.11	*55.3 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.66	*82.9 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW02

2310550-02 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 12:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 12:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**470**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW03

2310550-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/30/23	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: **10/27/23 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.3	*100 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.3	*99.8 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	*98.3 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 10:39**

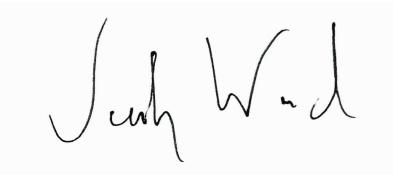
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.57	*78.7 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.67	*83.4 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW03

2310550-03 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 10:39**

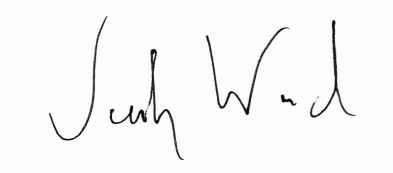
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**391**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW04

2310550-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 10:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 10:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.6	*94.4 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.1	*98.3 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.0	*97.6 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 10:44**

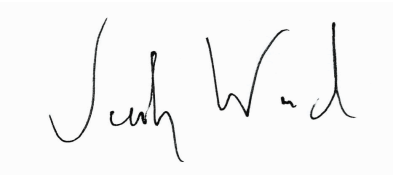
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 10:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.41	*70.5 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.57	*78.6 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW04

2310550-04 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 10:44**

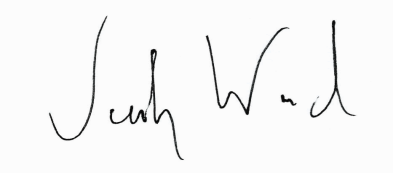
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 10:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**397**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW05

2310550-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.3	*92.3 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.1	*98.6 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.9	*96.9 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 11:07**

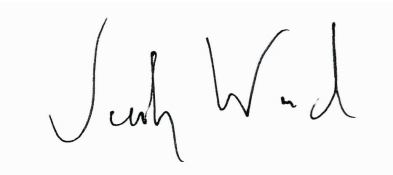
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.33	*66.7 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.54	*77.2 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW05

2310550-05 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**417**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW06
2310550-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 12:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 12:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.3	*92.3 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.1	*98.6 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.4	*100 %*	*21-167*		"	"	*10/31/23*	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 12:44**

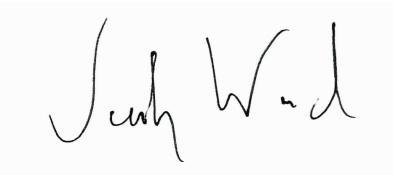
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 12:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.23	*61.5 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.74	*87.2 %*	*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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW06
2310550-06 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 12:44**

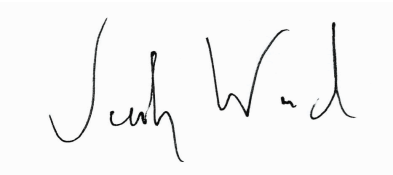
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 12:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**368**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW07

2310550-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 13:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 13:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.9	*96.8 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.4	*100 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.3	*100 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 13:24**

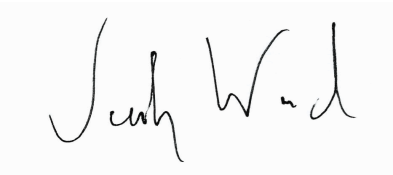
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 13:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.74	*87.0 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.90	*94.9 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW07

2310550-07 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 13:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 13:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**403**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW08

2310550-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.4	*101 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.4	*100 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	*95.9 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 12:08**

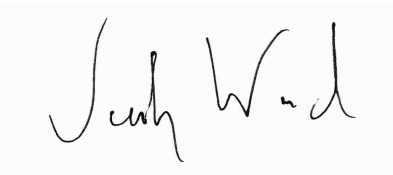
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.45	*72.5 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.63	*81.3 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW08

2310550-08 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**377**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW09

2310550-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.5	*94.1 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.0	*97.6 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	*98.1 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 11:43**

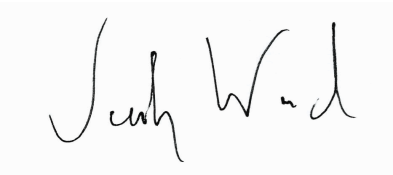
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.59	*79.6 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.74	*87.1 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW09

2310550-09 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**367**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW10
2310550-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 12:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 12:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.2	*99.1 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	12.7	*95.1 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.6	*94.4 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 12:16**

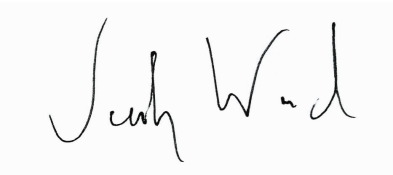
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 12:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.60	*80.2 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.76	*87.9 %*	*40-150*		"	"	"	"	

Dissolved Metals by EPA Method 200.8

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW10

2310550-10 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 12:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 12:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**371**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW11

2310550-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.3	*92.4 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.2	*99.2 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.9	*96.7 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 11:35**

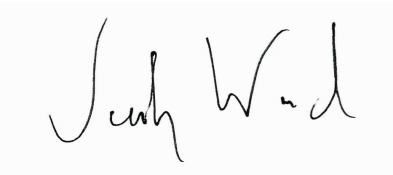
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.49	*74.4 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	1.60	*79.8 %*	*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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW11

2310550-11 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 11:35**

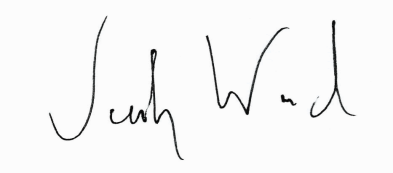
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**388**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW12

2310550-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/27/23 11:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BGJ1169	10/30/23	10/31/23	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: **10/27/23 11:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	12.9	*97.1 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8	13.3	*100 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	12.8	*96.4 %*	*21-167*		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **10/27/23 11:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.100	ug/l	1	BGJ1158	10/30/23	10/31/23	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.500	"	"	"	"	"	"	

Date Sampled: **10/27/23 11:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	2.63	*132 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	2.66	*133 %*	*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: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

MW12

2310550-12 (Water)

Summit Scientific

Dissolved Metals by EPA Method 200.8

Date Sampled: **10/27/23 11:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	ND	0.500	ug/l	1	BGJ1241	10/31/23	11/01/23	EPA 200.8	

Total Dissolved Solids by SM2540C

Date Sampled: **10/27/23 11:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	**357**	10.0	mg/L	1	BGK0037	11/01/23	11/01/23	SM2540C	

S2

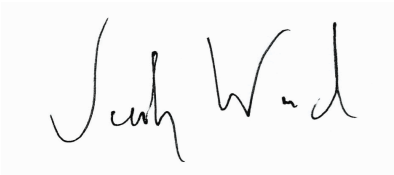
Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGJ1169 - EPA 5030 Water MS										
Blank (BGJ1169-BLK1)				Prepared & Analyzed: 10/30/23						
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	*16.3*		*"*	*13.3*		*122*	*23-173*			
Surrogate: Toluene-d8	*13.2*		*"*	*13.3*		*98.7*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.4*		*"*	*13.3*		*100*	*21-167*			
LCS (BGJ1169-BS1)				Prepared: 10/30/23 Analyzed: 10/31/23						
Benzene	33.1	1.0	ug/l	33.3		99.2	51-132			
Toluene	30.8	1.0	"	33.3		92.3	51-138			
Ethylbenzene	31.4	1.0	"	33.3		94.3	58-146			
m,p-Xylene	61.4	2.0	"	66.7		92.2	57-144			
o-Xylene	30.6	1.0	"	33.3		91.9	53-146			
Naphthalene	29.2	1.0	"	33.3		87.7	70-130			
1,2,4-Trimethylbenzene	30.7	1.0	"	33.3		92.1	70-130			
1,3,5-Trimethylbenzene	30.5	1.0	"	33.3		91.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*12.9*		*"*	*13.3*		*96.8*	*23-173*			
Surrogate: Toluene-d8	*13.2*		*"*	*13.3*		*99.0*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.1*		*"*	*13.3*		*98.5*	*21-167*			
Matrix Spike (BGJ1169-MS1)		**Source: 2310529-01**		Prepared & Analyzed: 10/30/23						
Benzene	34.4	1.0	ug/l	33.3	ND	103	34-141			
Toluene	32.6	1.0	"	33.3	ND	97.9	27-151			
Ethylbenzene	32.4	1.0	"	33.3	ND	97.3	29-160			
m,p-Xylene	63.4	2.0	"	66.7	ND	95.0	20-166			
o-Xylene	31.8	1.0	"	33.3	ND	95.3	33-159			
Naphthalene	35.9	1.0	"	33.3	ND	108	70-130			
1,2,4-Trimethylbenzene	31.6	1.0	"	33.3	ND	95.0	70-130			
1,3,5-Trimethylbenzene	31.3	1.0	"	33.3	ND	93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*14.0*		*"*	*13.3*		*105*	*23-173*			
Surrogate: Toluene-d8	*13.4*		*"*	*13.3*		*100*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.5*		*"*	*13.3*		*101*	*21-167*			

Summit Scientific



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S2

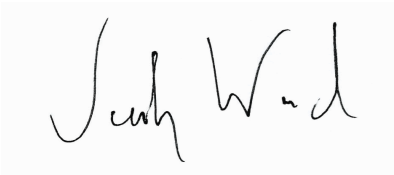
Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGJ1169 - EPA 5030 Water MS										
Matrix Spike Dup (BGJ1169-MSD1)		**Source: 2310529-01**		Prepared & Analyzed: 10/30/23						
Benzene	34.6	1.0	ug/l	33.3	ND	104	34-141	0.493	30	
Toluene	32.7	1.0	"	33.3	ND	98.2	27-151	0.306	30	
Ethylbenzene	32.5	1.0	"	33.3	ND	97.5	29-160	0.216	30	
m,p-Xylene	63.8	2.0	"	66.7	ND	95.7	20-166	0.739	30	
o-Xylene	32.1	1.0	"	33.3	ND	96.3	33-159	1.03	30	
Naphthalene	38.0	1.0	"	33.3	ND	114	70-130	5.60	30	
1,2,4-Trimethylbenzene	31.7	1.0	"	33.3	ND	95.1	70-130	0.126	30	
1,3,5-Trimethylbenzene	31.5	1.0	"	33.3	ND	94.6	70-130	0.764	30	
Surrogate: 1,2-Dichloroethane-d4	*14.2*		*"*	*13.3*		*106*	*23-173*			
Surrogate: Toluene-d8	*13.4*		*"*	*13.3*		*100*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.7*		*"*	*13.3*		*103*	*21-167*			

Summit Scientific



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S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGJ1158 - EPA 5030 Water MS										
Blank (BGJ1158-BLK1)				Prepared: 10/30/23 Analyzed: 10/31/23						
Benzo (a) anthracene	ND	0.100	ug/l							
1-Methylnaphthalene	ND	0.500	"							
2-Methylnaphthalene	ND	0.500	"							
Surrogate: 2-Methylnaphthalene-d10	*1.99*		*"*	*2.00*		*99.4*	*40-150*			
Surrogate: Fluoranthene-d10	*2.06*		*"*	*2.00*		*103*	*40-150*			
LCS (BGJ1158-BS1)				Prepared: 10/30/23 Analyzed: 10/31/23						
Benzo (a) anthracene	1.74	0.100	ug/l	2.00		87.2	30-120			
1-Methylnaphthalene	1.29	0.500	"	2.00		64.5	30-120			
2-Methylnaphthalene	1.83	0.500	"	2.00		91.7	0-200			
Surrogate: 2-Methylnaphthalene-d10	*1.54*		*"*	*2.00*		*77.2*	*40-150*			
Surrogate: Fluoranthene-d10	*1.86*		*"*	*2.00*		*93.1*	*40-150*			
LCS Dup (BGJ1158-BSD1)				Prepared: 10/30/23 Analyzed: 10/31/23						
Benzo (a) anthracene	1.73	0.100	ug/l	2.00		86.5	30-120	0.877	30	
1-Methylnaphthalene	1.67	0.500	"	2.00		83.5	30-120	25.7	30	
2-Methylnaphthalene	1.94	0.500	"	2.00		97.0	0-200	5.68	200	
Surrogate: 2-Methylnaphthalene-d10	*1.70*		*"*	*2.00*		*85.2*	*40-150*			
Surrogate: Fluoranthene-d10	*1.93*		*"*	*2.00*		*96.5*	*40-150*			

S2

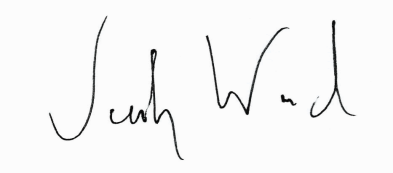
Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

Dissolved Metals by EPA Method 200.8 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGJ1241 - EPA 200.8										
Blank (BGJ1241-BLK1)				Prepared: 10/31/23 Analyzed: 11/01/23						
Lead	ND	0.500	ug/l							
LCS (BGJ1241-BS1)				Prepared: 10/31/23 Analyzed: 11/02/23						
Lead	242	0.500	ug/l	250		96.6	85-115			
Duplicate (BGJ1241-DUP1)		**Source: 2310550-01**		Prepared: 10/31/23 Analyzed: 11/01/23						
Lead	ND	0.500	ug/l		ND				20	
Matrix Spike (BGJ1241-MS1)		**Source: 2310550-01**		Prepared: 10/31/23 Analyzed: 11/02/23						
Lead	233	0.500	ug/l	250	ND	93.1	70-130			
Matrix Spike Dup (BGJ1241-MSD1)		**Source: 2310550-01**		Prepared: 10/31/23 Analyzed: 11/02/23						
Lead	232	0.500	ug/l	250	ND	92.9	70-130	0.252	25	

Summit Scientific



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S2

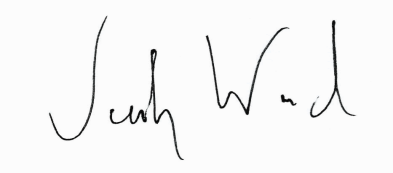
Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: Civitas - Culver 5-17 Tank Battery Project Number: [none] Project Manager: Sam Vogt	**Reported:** 11/13/23 14:18

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGK0037 - General Preparation										
Blank (BGK0037-BLK1)				Prepared & Analyzed: 11/01/23						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (BGK0037-DUP1)		**Source: 2310544-01**		Prepared & Analyzed: 11/01/23						
Total Dissolved Solids	936	10.0	mg/L		858			8.63	20	

Summit Scientific



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Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW01
Sample Date/Time: 10/27/23 1:28 PM
Lab Number: 231108091-01

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**43.0 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**106 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW02
Sample Date/Time: 10/27/23 12:41 PM
Lab Number: 231108091-02

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**42.9 mg/L**	EPA 300.0	1.00	0.007	11/10/23	QC69286	NRP
Sulfate	**109 mg/L**	EPA 300.0	1.00	0.012	11/10/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW03
Sample Date/Time: 10/27/23 10:39 AM
Lab Number: 231108091-03

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**35.1 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**55.7 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW04
Sample Date/Time: 10/27/23 10:44 AM
Lab Number: 231108091-04

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**38.3 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**58.9 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW05
Sample Date/Time: 10/27/23 11:07 AM
Lab Number: 231108091-05

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**37.2 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**53.5 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW06
Sample Date/Time: 10/27/23 12:44 PM
Lab Number: 231108091-06

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**40.4 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**26.4 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW07
Sample Date/Time: 10/27/23 1:24 PM
Lab Number: 231108091-07

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**40.3 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**49.2 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW08
Sample Date/Time: 10/27/23 12:03 PM
Lab Number: 231108091-08

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**40.2 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**42.3 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW09
Sample Date/Time: 10/27/23 11:43 AM
Lab Number: 231108091-09

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**41.7 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**49.1 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW10
Sample Date/Time: 10/27/23 12:16 PM
Lab Number: 231108091-10

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**42.3 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**46.4 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW11
Sample Date/Time: 10/27/23 11:35 AM
Lab Number: 231108091-11

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**41.2 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**47.6 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Bill To: Accounts Payable
Company: Summit Scientific
4653 Table Mountain Drive
Golden CO 80403

Task No.: 231108091
Client PO:
Client Project: 2310550

Date Received: 11/8/23
Date Reported: 11/13/23
Matrix: Wastewater

Customer Sample ID MW12
Sample Date/Time: 10/27/23 11:17 AM
Lab Number: 231108091-12

Test	Result / Units	Method	RL	MDL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**40.4 mg/L**	EPA 300.0	1.00	0.007	11/9/23	QC69286	NRP
Sulfate	**23.5 mg/L**	EPA 300.0	1.00	0.012	11/9/23	QC69287	NRP

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical QC Summary

TASK NO: 231108091

Report To: Paul Shrewsbury
Company: Summit Scientific

Receive Date: 11/8/23
Project Name: 2310550

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Chloride	QC69286	Blank	ND	EPA 300.0	11/9/23
Sulfate	QC69287	Blank	ND	EPA 300.0	11/9/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Chloride	QC69286	Duplicate	0 - 20	-	0.7	EPA 300.0
		LCS	90 - 110	97.7	-	
		MS	75 - 125	99.9	-	
Sulfate	QC69287	Duplicate	0 - 20	-	0.3	EPA 300.0
		LCS	90 - 110	95.5	-	
		MS	75 - 125	103.2	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing the wastewater samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.

DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
MDL = Method Detection Limit
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

ND = Not Detected at Reporting Limit.

Chain of Custody Form

Colorado Analytical Laboratories, Inc.

Brighton Lab
240 South Main Street
Brighton, CO 80601
Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313
Fax: 303-659-2315

www.coloradolab.com

Report To Information	Bill To Information (If different from report to)	Project Name
Company Name: Summit Scientific	Company Name: Same	2310550
Contact Name: Mikayla Axtell/ Paul Shrewsbury	Contact Name: ____	____
Address: 4653 Table Mountain Drive, Suite B	Address: Same	Task Number (Lab Use Only) CAL Task 231108091 ARF
City Golden State CO Zip80403	City ____ State __ Zip ____	
Phone:303-277-9310 Fax:303-374-5933	Phone: Fax:	
Email: reports@s2scientific.com	Email:	Disposal Date(Lab Use Only)
Sample Collector:	PO No.:	

Rush TAT

Sample Matrix (Select One Only)

Waste Water ☒	Soil ☐	Plant Tissue ☐
Ground Water ☐	Sludge ☐	Other ☐
Surface Water ☐	Compost ☐	____

Date	Time	Sample ID	No. of Containers	Grab	or (Check One Only) Composite	Chloride	Sulfate														
10/27/23	13:28	MW01	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	12:41	MW02	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	10:39	MW03	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	10:44	MW04	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	11:07	MW05	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	12:44	MW06	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	13:24	MW07	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	12:03	MW08	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	11:43	MW09	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	12:16	MW010	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Instructions: *Please also email results to maxtell@s2scientific.com*
Rush TAT

C/S Info:
Deliver Via: Hand
C/S Charge ☐

Seals Present Yes ☐ No ☒
Temp. 9.6 °C/Ice Y
Sample Pres. Yes ☐ No ☒

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	11/23/1251	[signature]	11-8-23 12p				

Chain of Custody Form

Colorado Analytical Laboratories, Inc.

Brighton Lab
240 South Main Street
Brighton, CO 80601
Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313
Fax: 303-659-2315

www.coloradolab.com

Report To Information	Bill To Information (If different from report to)	Project Name
Company Name: Summit Scientific	Company Name: Same	2310550
Contact Name: Mikayla Axtell/ Paul Shrewsbury	Contact Name: ____	____
Address: 4653 Table Mountain Drive, Suite B	Address: Same	Task Number (Lab Use Only) CAL Task 231108091 ARF
City Golden State CO Zip80403	City ____ State __ Zip ____	
Phone:303-277-9310 Fax:303-374-5933	Phone: Fax:	
Email: reports@s2scientific.com	Email:	Disposal Date(Lab Use Only)
Sample Collector:	PO No.:	

Rush TAT

Sample Matrix (Select One Only)

Waste Water ☒	Soil ☐	Plant Tissue ☐
Ground Water ☐	Sludge ☐	Other ☐
Surface Water ☐	Compost ☐	____

Date	Time	Sample ID	No. of Containers	Grab	or (Check One Only) Composite	Chloride	Sulfate														
10/27/23	11:35	MW011	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
↓	11:17	MW012	1	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Instructions: *Please also email results to maxtell@s2scientific.com*
Rush TAT

C/S Info:
Deliver Via: Hand
C/S Charge ☐

Seals Present Yes ☐ No ☒
Temp. 9.6 °C/Ice Y
Sample Pres. Yes ☐ No ☒

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	11/23/1251	Sam	11-8-23 12p				

Notes and Definitions

I-01	Due to matrix interference, the sample cannot be accurately quantified. The reported result is qualitative.
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