

Miller-63N66W 20NWSE

SWSE Sec. 20-T3N-R66W

Facility ID: 333160

Remediation Project #: 26449

Form 19 Data Package

April 2023

Prepared by Tasman, Inc.



On behalf of Crestone Peak Resources Operating, LLC



PHOTO LOG

Photographic Log



Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:	

Notes/Conditions: Soil sampling and screening location, facing NW

Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:	

Notes/Conditions: Soil sampling and screening location, facing SE

Photographic Log



Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling and screening location, facing SW			

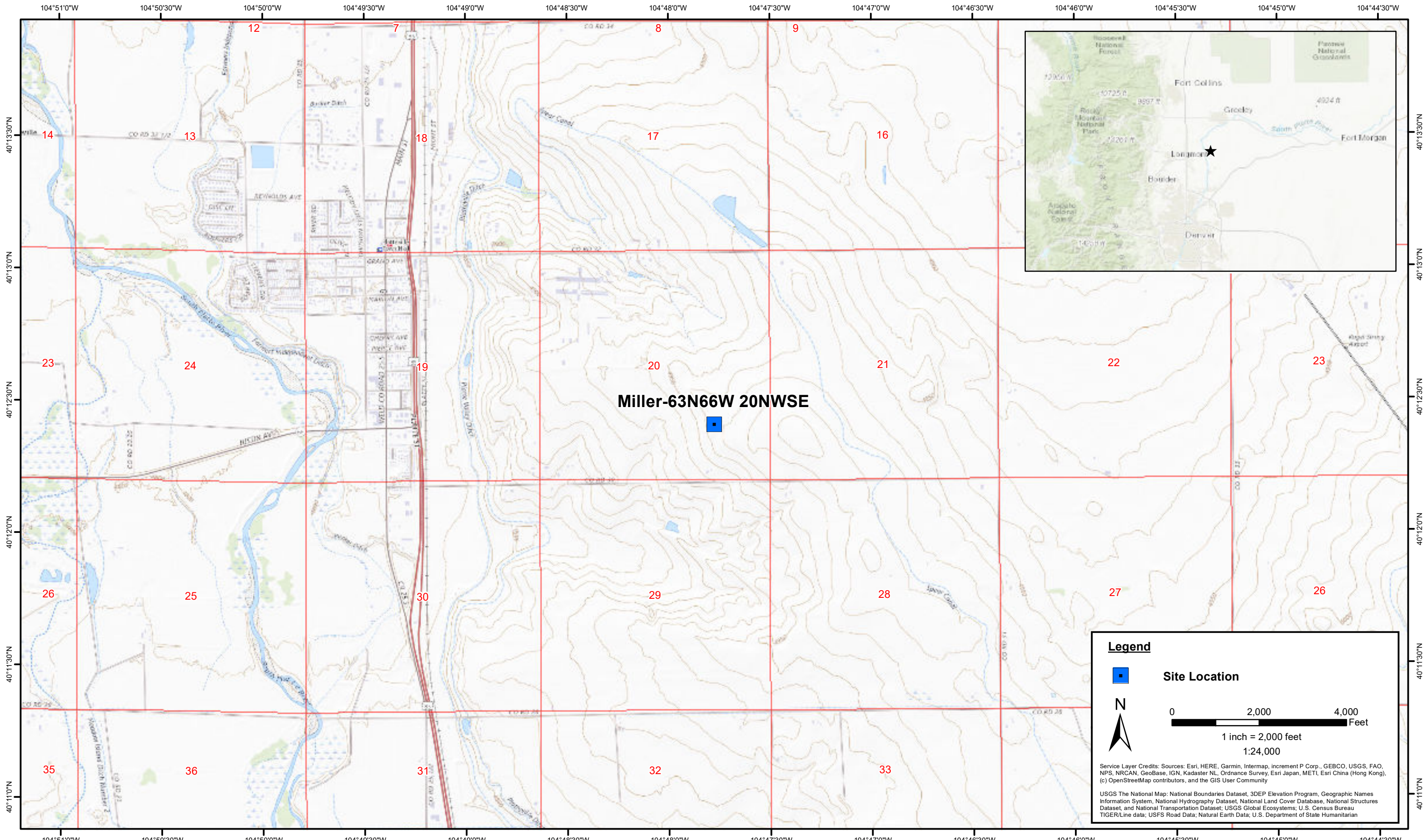
Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:	
Notes/Conditions: Soil screening location, facing NE			

Photographic Log



Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling and screening location, facing E				Notes/Conditions:			

FIGURES



DATE: April 2023
 DESIGNED BY: S. Vogt
 DRAWN BY: L. Reed

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

Crestone Peak Resources Operating, LLC
Miller-63N66W 20NWSE
 SWSE Sec. 20-T3N-R66W
 Weld County, Colorado

Site Location Map

Figure
1



Legend

- Soil sample location – Field Screened (Collected via Trimble GPS)
- Soil sample location – Below COGCC Table 915-1 Soil Standards (Collected via Trimble GPS)
- Soil sample location – Exceeded COGCC Table 915-1 Soil Standards (Collected via Trimble GPS)
- Excavation Extent (Collected via Trimble GPS)
- Stockpile Location (Collected via Trimble GPS)

Notes

All locations are approximate unless otherwise noted.

GPS – Global Positioning System
 COGCC = Colorado Oil & Gas Conservation Commission

0 ft. 30 ft. 60 ft.

Image Source: Google Earth

DATE:	April 12, 2023
DESIGNED BY:	S. Vogt
DRAWN BY:	S. Vogt



Tasman, Inc.
 6855 W. 119th Avenue
 Broomfield, Colorado 80020

Crestone Peak Resources Operating, LLC
Miller-63N66W 20NWSE
 SWSE Sec. 20-T3N-R66W
 Weld County, Colorado

Soil Sample Location Map

FIGURE
2

TABLES

TABLE 1
MILLER-63N66W 20NWSE
SOIL SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
AST-B02@3"	3"	04/11/2023	1.3	40.206538	-104.796531	0.8	Y
ECD-B01@3"	3"	04/11/2023	0.9	40.206505	-104.796310	0.8	N
MH-B01@3"	3"	04/11/2023	0.0	40.206457	-104.796410	0.8	N
PW-B02@4'	4'	04/11/2023	1,407	40.206543	-104.796626	1	Y
PW-E02@3'	3'	04/11/2023	29.3	40.206535	-104.796601	1	Y
PW-N02@3'	3'	04/11/2023	5.9	40.206572	-104.796616	1	N
PW-S02@3'	3'	04/11/2023	3.0	40.206520	-104.796628	0.9	N
PW-W02@3'	3'	04/11/2023	14.2	40.206542	-104.796656	0.9	N
SEP-B02@4'	4'	04/11/2023	9.4	40.206501	-104.796334	0.8	Y
SP-CS02	-	04/11/2023	392	-	-	-	Y
SP-CS03	-	04/11/2023	29.3	-	-	-	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

HC = Hydrocarbon

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

TABLE 2
MILLER-63N66W 20NWSE
SOIL ANALYTICAL DATA - VOCs
CRESTONE PEAK RESOURCES OPERATING, LLC

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)
COGCC Organic Compounds in Soils ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
COGCC Organic Compounds in Soils ⁽²⁾			1.2	490	5.8	58	2	500			30	27
PW-B02@4'	4'	04/11/2023	0.40	<0.050	1.9	3.6	1.6	840	89	<50	21	2.3
PW-E02@3'	3'	04/11/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	2.3	<50	<50	<0.0050	<0.0050
AST-B02@3'	3'	04/11/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	0.0058	<0.0050
SEP-B02@4'	4'	04/11/2023	<0.0020	0.0060	0.0098	0.022	0.049	52	<50	<50	1.0	0.21
SP-CS02	-	04/11/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS03	-	04/11/2023	<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 COGCC 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 COGCC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

COGCC = Colorado Oil and Gas Conservation Commission

(<) = 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 COGCC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

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

LABORATORY ANALYTICAL DATA

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 12, 2023

Sam Vogt

Civitas Resources

650 Southgate Drive

Windsor, CO 80550

RE: Miller 63N66W

Work Order #2304208

Enclosed are the results of analyses for samples received by Summit Scientific on 04/11/23 17:58. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

DRAFT REPORT

DATA SUBJECT TO CHANGE



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW-B02@4'	2304208-01	Soil	04/11/23 12:30	04/11/23 17:58
PW-E02@3'	2304208-02	Soil	04/11/23 12:36	04/11/23 17:58
AST-B02@3'	2304208-03	Soil	04/11/23 12:45	04/11/23 17:58
SEP-B02@4'	2304208-04	Soil	04/11/23 13:13	04/11/23 17:58
SP-CS02	2304208-05	Soil	04/11/23 13:54	04/11/23 17:58
SP-CS03	2304208-06	Soil	04/11/23 14:00	04/11/23 17:58

DRAFT REPORT

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.

S₂

Sample Receipt Checklist

S2 Work Order# 2304208

Client: Contas Frisman Client Project ID: Miller Co3N G6W

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

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

Temp (°C) Thermometer #

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

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

[Signature]
Custodian Printed Name

4.11.23
Date/Time



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

PW-B02@4'
2304208-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	0.40	0.020	mg/kg	10	BGD0349	04/11/23	04/12/23	EPA 8260B	
Toluene	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	1.9	0.050	"	"	"	"	"	"	
Xylenes (total)	3.6	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	21	0.050	"	"	"	"	"	"	E
1,3,5-Trimethylbenzene	2.3	0.050	"	"	"	"	"	"	
Naphthalene	1.6	0.038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	840	5.0	"	"	"	"	"	"	E

Date Sampled: **04/11/23 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0248	62.0 %	50-150	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0263	65.8 %	50-150	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0863	216 %	50-150	"	"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	89	50	mg/kg	1	BGD0350	"	04/12/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 12:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: o-Terphenyl</i>	12.2	97.9 %	30-150	"	"	"	"	"	

DRAFT REPORT

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

PW-E02@3'
2304208-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 12:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0349	04/11/23	04/12/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.3	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 12:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0388	96.9 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0350	87.6 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0442	111 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 12:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0350	"	04/12/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 12:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	10.4	83.0 %	30-150		"	"	"	"	

DRAFT REPORT

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

AST-B02@3'
2304208-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0349	04/11/23	04/12/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.0058	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0390	97.4 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0362	90.4 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0380	95.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0350	"	04/12/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	10.6	84.7 %	30-150		"	"	"	"	

DRAFT REPORT

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

SEP-B02@4'
2304208-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0349	04/11/23	04/12/23	EPA 8260B	
Toluene	0.0060	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0098	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.022	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	1.0	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.21	0.0050	"	"	"	"	"	"	
Naphthalene	0.049	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	52	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0329	82.2 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0294	73.5 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0812	203 %	50-150		"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0350	"	04/12/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	10.2	81.9 %	30-150		"	"	"	"	

DRAFT REPORT

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

SP-CS02
2304208-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0349	04/11/23	04/12/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0394	98.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0353	88.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0469	117 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0350	"	04/12/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.8	102 %		30-150		"	"	"	"	

DRAFT REPORT

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W
Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

SP-CS03
2304208-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BGD0349	04/11/23	04/12/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0398	99.4 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8	0.0364	90.9 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0384	96.1 %	50-150	"	"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0350	"	04/12/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 14:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	12.0	95.8 %	30-150	"	"	"	"	"	

DRAFT REPORT

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.



Civitas Resources
650 Southgate Drive
Windsor CO, 80550

Project: Miller 63N66W

Project Number: 23049 20NWSE TB
Project Manager: Sam Vogt

Reported:
04/12/23 10:01

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- 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