

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 01, 2023

Nick Yourd

Entrada Consulting Group

240 Mesa Avenue

Grand Junction., CO 81501

RE: Yenter North Line

Work Order #2308565

Enclosed are the results of analyses for samples received by Summit Scientific on 08/24/23 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Sheely".

Scott Sheely For Paul Shrewsbury

President



Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX09@19	2308565-01	Soil	08/24/23 11:30	08/24/23 17:20
EX10@19	2308565-02	Soil	08/24/23 11:35	08/24/23 17:20
EX11@8	2308565-03	Soil	08/24/23 10:15	08/24/23 17:20
EX12@8	2308565-04	Soil	08/24/23 10:20	08/24/23 17:20
EX13@8	2308565-05	Soil	08/24/23 10:25	08/24/23 17:20
EX14@8	2308565-06	Soil	08/24/23 10:30	08/24/23 17:20
EX15@8	2308565-07	Soil	08/24/23 10:35	08/24/23 17:20
EX16@8	2308565-08	Soil	08/24/23 14:40	08/24/23 17:20

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.

Client: <u>Entrada Consulting Group</u>		Send Data To:		Send Invoice To:	
Address: <u>ON File</u>		Project Manager: <u>Nick Yourd</u>		Company: <u>Entrada</u>	
City/State/Zip: <u>ON File</u>		E-Mail: <u>nyourd@entradainc.com</u>		Project Name/Location: <u>Yenter North Line</u>	
Phone: <u>970-712-7329</u>		cjohnson@entradainc, shall@entradainc		AFE#:	
Sampler Name: <u>Ryan Finley</u>		Project Name: <u>Yenter North Line</u>		PO/Billing Codes:	
		Project Number:		Contact: <u>Nick Yourd, Stuart Hall</u>	

				Preservative				Matrix				Analysis Requested				Special Instructions			
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other							
1	EX09 @ 19	8/24/23	1130 PT	2			X			X			X						
2	EX10 @ 19		1135	1															
3	EX11 @ 8		1015	1															
4	EX12 @ 8		1020	1															
5	EX13 @ 8		1025	1															
6	EX14 @ 8		1030	1															
7	EX15 @ 8		1035	1															
8	EX16 @ 8	↓	1440	↓						↓			↓						
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: <u>Ryan Finley</u>	Date/Time: <u>8/24/23 1720</u>	Received by: <u>8/24/23 17:20</u>	Date/Time: <u>8/24/23 17:20</u>	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Standard	X Field Turb.	
Temperature Upon Receipt: <u>18.50C</u>	Corrected Temperature	IR gun #: <u>02</u>	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2308565Client: Entesa Consulting Group Client Project ID: Center North LineShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____
☒ ☐ ☐ ☐ ☐

Matrix (Check all that apply)

Air

☐

Soil/Solid

☒

Water

☐

Other

☐

Temp (°C)

19.300

Thermometer #

02

	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 ₂ SO ₄ , NaOH, HNO ₃ , etc.	☐	☐	☒	
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.
GAC
Custodian Printed Name

8/24/23 17:20
Date/Time



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX09@19
2308565-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 08/24/23 11:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	EPA 8260B	
Toluene	0.0066	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.0051	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 08/24/23 11:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0253	63.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0358	89.5 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0300	75.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 08/24/23 11:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: 08/24/23 11:30									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	13.8	110 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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EX09@19
2308565-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0170	50.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0167	50.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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EX09@19
2308565-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	5.32	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	55.3	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	9.09	0.400	"	"	"	"	"	"
Lead	15.3	0.200	"	"	"	"	"	"
Nickel	13.8	0.400	"	"	"	"	"	"
Silver	0.0512	0.0200	"	"	"	"	"	"
Zinc	39.4	0.400	"	"	"	"	"	"
Selenium	1.38	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	55.2	0.0604	mg/L dry	1	BGH1166	08/29/23	08/30/23	EPA 6020B	
Magnesium	43.1	0.0604	"	"	"	"	"	"	
Sodium	129	0.0604	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.16	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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EX09@19
2308565-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	82.8	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.10	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.83		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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EX10@19
2308565-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0255	63.7 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0359	89.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0298	74.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	15.0	120 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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09/01/23 14:39

EX10@19
2308565-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0139	41.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0147	44.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0557	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Grand Junction, CO, 81501

Project: Yenter North Line
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Project Manager: Nick Yourd

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EX10@19
2308565-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	5.82	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	41.5	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	8.54	0.400	"	"	"	"	"	"
Lead	16.6	0.200	"	"	"	"	"	"
Nickel	11.7	0.400	"	"	"	"	"	"
Silver	0.0466	0.0200	"	"	"	"	"	"
Zinc	42.0	0.400	"	"	"	"	"	"
Selenium	0.440	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	107	0.0600	mg/L dry	1	BGH1166	08/29/23	08/30/23	EPA 6020B	
Magnesium	74.1	0.0600	"	"	"	"	"	"	
Sodium	172	0.0600	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.13	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX10@19
2308565-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.3	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.73	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.66		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX11@8
2308565-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 10:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0270	67.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0367	91.6 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0307	76.7 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	14.6	117 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX11@8
2308565-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0179	53.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0179	53.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.943	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
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EX11@8
2308565-03 (Soil)

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Total Metals by EPA 6020B

Arsenic	3.34	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	135	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	4.78	0.400	"	"	"	"	"	"
Lead	7.88	0.200	"	"	"	"	"	"
Nickel	5.69	0.400	"	"	"	"	"	"
Silver	0.0314	0.0200	"	"	"	"	"	"
Zinc	17.9	0.400	"	"	"	"	"	"
Selenium	0.306	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	363	0.0603	mg/L dry	1	BGH1166	08/29/23	08/30/23	EPA 6020B	
Magnesium	227	0.0603	"	"	"	"	"	"	
Sodium	1390	0.0603	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	14.1	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX11@8
2308565-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	82.9	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	9.63	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.11		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX12@8
2308565-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0263	65.8 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0354	88.5 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0301	75.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	15.3	122 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Entrada Consulting Group
240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX12@8
2308565-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0184	55.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0168	50.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX12@8
2308565-04 (Soil)

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Total Metals by EPA 6020B

Arsenic	2.72	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	230	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	3.23	0.400	"	"	"	"	"	"
Lead	5.80	0.200	"	"	"	"	"	"
Nickel	4.05	0.400	"	"	"	"	"	"
Silver	ND	0.0200	"	"	"	"	"	"
Zinc	13.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	18.7	0.0560	mg/L dry	1	BGH1166	08/29/23	08/30/23	EPA 6020B	
Magnesium	17.0	0.0560	"	"	"	"	"	"	
Sodium	13.5	0.0560	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.544	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX12@8
2308565-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.3		%	1	BGH1110	08/28/23	08/28/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.385	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.62		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX13@8
2308565-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 10:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0263	65.8 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0358	89.6 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0302	75.6 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	15.8	127 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX13@8
2308565-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0163	48.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0160	47.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.251	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX13@8
2308565-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	3.83	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	265	0.400	"	"	"	"	"	"
Cadmium	0.210	0.200	"	"	"	"	"	"
Copper	4.33	0.400	"	"	"	"	"	"
Lead	7.79	0.200	"	"	"	"	"	"
Nickel	5.46	0.400	"	"	"	"	"	"
Silver	0.0302	0.0200	"	"	"	"	"	"
Zinc	16.6	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	71.1	0.0564	mg/L dry	1	BGH1166	08/29/23	08/30/23	EPA 6020B	
Magnesium	8.46	0.0564	"	"	"	"	"	"	
Sodium	124	0.0564	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.70	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX13@8
2308565-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.6	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.682	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.14		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX14@8
2308565-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0251	62.7 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0356	88.9 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0304	76.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	15.7	126 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX14@8
2308565-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0201	60.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0194	58.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.531	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX14@8
2308565-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.81	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	126	0.400	"	"	"	"	"	"
Cadmium	0.203	0.200	"	"	"	"	"	"
Copper	4.17	0.400	"	"	"	"	"	"
Lead	7.47	0.200	"	"	"	"	"	"
Nickel	4.96	0.400	"	"	"	"	"	"
Silver	0.0300	0.0200	"	"	"	"	"	"
Zinc	15.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	182	0.0552	mg/L dry	1	BGH1166	08/29/23	08/30/23	EPA 6020B	
Magnesium	114	0.0552	"	"	"	"	"	"	
Sodium	467	0.0552	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	6.69	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX14@8
2308565-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	90.5	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	4.55	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.06		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX15@8
2308565-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0257	64.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0362	90.6 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0304	76.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	15.4	123 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX15@8
2308565-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0169	50.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0177	53.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.178	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX15@8
2308565-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	3.16	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	159	0.400	"	"	"	"	"	"
Cadmium	0.220	0.200	"	"	"	"	"	"
Copper	4.43	0.400	"	"	"	"	"	"
Lead	8.15	0.200	"	"	"	"	"	"
Nickel	5.63	0.400	"	"	"	"	"	"
Silver	0.0302	0.0200	"	"	"	"	"	"
Zinc	16.7	0.400	"	"	"	"	"	"
Selenium	0.295	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	30.9	0.0573	mg/L dry	1	BGH1166	08/29/23	08/31/23	EPA 6020B	
Magnesium	29.8	0.0573	"	"	"	"	"	"	
Sodium	175	0.0573	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.39	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX15@8
2308565-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	87.3	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.24	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.48		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX16@8
2308565-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BGH1113	08/28/23	08/29/23	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: **08/24/23 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0255	63.7 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0359	89.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0300	74.9 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BGH1117	08/28/23	08/28/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	15.1	121 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX16@8
2308565-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH1149	08/29/23	08/29/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0143	43.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0141	42.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.514	0.0100	mg/L	1	BGH1032	08/25/23	08/30/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX16@8
2308565-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	3.44	0.200	mg/kg dry	1	BGH1091	08/28/23	08/30/23	EPA 6020B
Barium	156	0.400	"	"	"	"	"	"
Cadmium	0.212	0.200	"	"	"	"	"	"
Copper	4.82	0.400	"	"	"	"	"	"
Lead	8.31	0.200	"	"	"	"	"	"
Nickel	5.88	0.400	"	"	"	"	"	"
Silver	0.0276	0.0200	"	"	"	"	"	"
Zinc	18.9	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH1164	08/29/23	08/29/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	202	0.0596	mg/L dry	1	BGH1166	08/29/23	08/31/23	EPA 6020B	
Magnesium	31.1	0.0596	"	"	"	"	"	"	
Sodium	115	0.0596	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.99	0.00100	units	1	BGH1268	08/31/23	08/31/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

EX16@8
2308565-08 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	83.9	%	1	BGH1110	08/28/23	08/28/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.470	0.0100	mmhos/cm	1	BGH1188	08/29/23	08/30/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **08/24/23 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.45		pH Units	1	BGH1189	08/29/23	08/30/23	EPA 9045D	

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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BGH1113 - EPA 5030 Soil MS

Blank (BGH1113-BLK1)

Prepared: 08/28/23 Analyzed: 08/29/23

Benzene	ND	0.0020	mg/kg							
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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0243		"	0.0400		60.7	50-150			
Surrogate: Toluene-d8	0.0357		"	0.0400		89.3	50-150			
Surrogate: 4-Bromofluorobenzene	0.0300		"	0.0400		75.1	50-150			

LCS (BGH1113-BS1)

Prepared: 08/28/23 Analyzed: 08/29/23

Benzene	0.0906	0.0020	mg/kg	0.100		90.6	70-130			
Toluene	0.0876	0.0050	"	0.100		87.6	70-130			
Ethylbenzene	0.0991	0.0050	"	0.100		99.1	70-130			
m,p-Xylene	0.179	0.010	"	0.200		89.7	70-130			
o-Xylene	0.0725	0.0050	"	0.100		72.5	70-130			
1,2,4-Trimethylbenzene	0.0753	0.0050	"	0.100		75.3	70-130			
1,3,5-Trimethylbenzene	0.0999	0.0050	"	0.100		99.9	70-130			
Naphthalene	0.0976	0.0038	"	0.100		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0265		"	0.0400		66.2	50-150			
Surrogate: Toluene-d8	0.0361		"	0.0400		90.2	50-150			
Surrogate: 4-Bromofluorobenzene	0.0308		"	0.0400		77.0	50-150			

Matrix Spike (BGH1113-MS1)

Source: 2308447-01

Prepared: 08/28/23 Analyzed: 08/29/23

Benzene	0.0875	0.0020	mg/kg	0.100	ND	87.5	70-130			
Toluene	0.0844	0.0050	"	0.100	ND	84.4	70-130			
Ethylbenzene	0.0972	0.0050	"	0.100	ND	97.2	70-130			
m,p-Xylene	0.176	0.010	"	0.200	ND	87.8	70-130			
o-Xylene	0.0992	0.0050	"	0.100	ND	99.2	70-130			
1,2,4-Trimethylbenzene	0.0723	0.0050	"	0.100	ND	72.3	70-130			
1,3,5-Trimethylbenzene	0.0770	0.0050	"	0.100	ND	77.0	70-130			
Naphthalene	0.101	0.0038	"	0.100	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0257		"	0.0400		64.4	50-150			
Surrogate: Toluene-d8	0.0361		"	0.0400		90.3	50-150			
Surrogate: 4-Bromofluorobenzene	0.0302		"	0.0400		75.4	50-150			

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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

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

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

Batch BGH1113 - EPA 5030 Soil MS

Matrix Spike Dup (BGH1113-MSD1)	Source: 2308447-01			Prepared: 08/28/23 Analyzed: 08/29/23						
Benzene	0.0880	0.0020	mg/kg	0.100	ND	88.0	70-130	0.615	30	
Toluene	0.0856	0.0050	"	0.100	ND	85.6	70-130	1.45	30	
Ethylbenzene	0.0961	0.0050	"	0.100	ND	96.1	70-130	1.15	30	
m,p-Xylene	0.176	0.010	"	0.200	ND	88.2	70-130	0.443	30	
o-Xylene	0.0994	0.0050	"	0.100	ND	99.4	70-130	0.211	30	
1,2,4-Trimethylbenzene	0.0740	0.0050	"	0.100	ND	74.0	70-130	2.34	30	
1,3,5-Trimethylbenzene	0.0700	0.0050	"	0.100	ND	70.0	70-130	9.47	30	
Naphthalene	0.101	0.0038	"	0.100	ND	101	70-130	0.623	30	
Surrogate: 1,2-Dichloroethane-d4	0.0258		"	0.0400		64.4	50-150			
Surrogate: Toluene-d8	0.0368		"	0.0400		91.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0311		"	0.0400		77.8	50-150			

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Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGH1117 - EPA 3550A

Blank (BGH1117-BLK1)

Prepared & Analyzed: 08/28/23

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

Surrogate: o-Terphenyl	15.3	"	12.5	123	30-150
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LCS (BGH1117-BS1)

Prepared & Analyzed: 08/28/23

C10-C28 (DRO)	498	50	mg/kg	500	99.6	70-130
Surrogate: o-Terphenyl	15.2	"	12.5	121	30-150	

Matrix Spike (BGH1117-MS1)

Source: 2308447-01

Prepared & Analyzed: 08/28/23

C10-C28 (DRO)	489	50	mg/kg	500	39.6	89.8	70-130
Surrogate: o-Terphenyl	15.0	"	12.5	120	30-150		

Matrix Spike Dup (BGH1117-MSD1)

Source: 2308447-01

Prepared & Analyzed: 08/28/23

C10-C28 (DRO)	475	50	mg/kg	500	39.6	87.1	70-130	2.86	20
Surrogate: o-Terphenyl	14.8	"	12.5	119	30-150				

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240 Mesa Avenue
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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGH1149 - EPA 5030 Soil MS

Blank (BGH1149-BLK1)

Prepared & Analyzed: 08/29/23

Acenaphthene	ND	0.00500	mg/kg								
Anthracene	ND	0.00500	"								
Benzo (a) anthracene	ND	0.00500	"								
Benzo (a) pyrene	ND	0.00500	"								
Benzo (b) fluoranthene	ND	0.00500	"								
Benzo (k) fluoranthene	ND	0.00500	"								
Chrysene	ND	0.00500	"								
Dibenz (a,h) anthracene	ND	0.00500	"								
Fluoranthene	ND	0.00500	"								
Fluorene	ND	0.00500	"								
Indeno (1,2,3-cd) pyrene	ND	0.00500	"								
Pyrene	ND	0.00500	"								
1-Methylnaphthalene	ND	0.00500	"								
2-Methylnaphthalene	ND	0.00500	"								
Surrogate: 2-Methylnaphthalene-d10	0.0271		"	0.0333		81.3		40-150			
Surrogate: Fluoranthene-d10	0.0277		"	0.0333		83.1		40-150			

LCS (BGH1149-BS1)

Prepared & Analyzed: 08/29/23

Acenaphthene	0.0309	0.00500	mg/kg	0.0333		92.7		31-137			
Anthracene	0.0297	0.00500	"	0.0333		89.1		30-120			
Benzo (a) anthracene	0.0285	0.00500	"	0.0333		85.5		30-120			
Benzo (a) pyrene	0.0265	0.00500	"	0.0333		79.5		30-120			
Benzo (b) fluoranthene	0.0277	0.00500	"	0.0333		83.2		30-120			
Benzo (k) fluoranthene	0.0291	0.00500	"	0.0333		87.4		30-120			
Chrysene	0.0300	0.00500	"	0.0333		90.1		30-120			
Dibenz (a,h) anthracene	0.0225	0.00500	"	0.0333		67.4		30-120			
Fluoranthene	0.0286	0.00500	"	0.0333		85.8		30-120			
Fluorene	0.0311	0.00500	"	0.0333		93.3		30-120			
Indeno (1,2,3-cd) pyrene	0.0202	0.00500	"	0.0333		60.7		30-120			
Pyrene	0.0336	0.00500	"	0.0333		101		35-142			
1-Methylnaphthalene	0.0309	0.00500	"	0.0333		92.6		35-142			
2-Methylnaphthalene	0.0311	0.00500	"	0.0333		93.2		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0311		"	0.0333		93.4		40-150			
Surrogate: Fluoranthene-d10	0.0286		"	0.0333		85.7		40-150			

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

PAH by EPA Method 8270D SIM - Quality Control

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

Batch BGH1149 - EPA 5030 Soil MS

Matrix Spike (BGH1149-MS1)

Source: 2308563-01

Prepared & Analyzed: 08/29/23

Acenaphthene	0.0189	0.00500	mg/kg	0.0333	ND	56.8	31-137		
Anthracene	0.0166	0.00500	"	0.0333	ND	49.8	30-120		
Benzo (a) anthracene	0.0157	0.00500	"	0.0333	ND	47.1	30-120		
Benzo (a) pyrene	0.0139	0.00500	"	0.0333	ND	41.8	30-120		
Benzo (b) fluoranthene	0.0139	0.00500	"	0.0333	ND	41.6	30-120		
Benzo (k) fluoranthene	0.0146	0.00500	"	0.0333	ND	43.8	30-120		
Chrysene	0.0165	0.00500	"	0.0333	ND	49.6	30-120		
Dibenz (a,h) anthracene	0.0158	0.00500	"	0.0333	ND	47.3	30-120		
Fluoranthene	0.0167	0.00500	"	0.0333	ND	50.1	30-120		
Fluorene	0.0187	0.00500	"	0.0333	ND	56.0	30-120		
Indeno (1,2,3-cd) pyrene	0.0135	0.00500	"	0.0333	ND	40.6	30-120		
Pyrene	0.0185	0.00500	"	0.0333	ND	55.6	35-142		
1-Methylnaphthalene	0.0169	0.00500	"	0.0333	ND	50.8	15-130		
2-Methylnaphthalene	0.0168	0.00500	"	0.0333	ND	50.4	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0172		"	0.0333		51.5	40-150		
Surrogate: Fluoranthene-d10	0.0170		"	0.0333		50.9	40-150		

Matrix Spike Dup (BGH1149-MSD1)

Source: 2308563-01

Prepared & Analyzed: 08/29/23

Acenaphthene	0.0176	0.00500	mg/kg	0.0333	ND	52.7	31-137	7.49	30
Anthracene	0.0174	0.00500	"	0.0333	ND	52.2	30-120	4.70	30
Benzo (a) anthracene	0.0162	0.00500	"	0.0333	ND	48.7	30-120	3.51	30
Benzo (a) pyrene	0.0147	0.00500	"	0.0333	ND	44.1	30-120	5.36	30
Benzo (b) fluoranthene	0.0158	0.00500	"	0.0333	ND	47.5	30-120	13.2	30
Benzo (k) fluoranthene	0.0160	0.00500	"	0.0333	ND	48.1	30-120	9.30	30
Chrysene	0.0173	0.00500	"	0.0333	ND	51.8	30-120	4.37	30
Dibenz (a,h) anthracene	0.0164	0.00500	"	0.0333	ND	49.3	30-120	4.14	30
Fluoranthene	0.0177	0.00500	"	0.0333	ND	53.2	30-120	6.10	30
Fluorene	0.0159	0.00500	"	0.0333	ND	47.7	30-120	16.1	30
Indeno (1,2,3-cd) pyrene	0.0159	0.00500	"	0.0333	ND	47.7	30-120	16.1	30
Pyrene	0.0206	0.00500	"	0.0333	ND	61.8	35-142	10.5	30
1-Methylnaphthalene	0.0151	0.00500	"	0.0333	ND	45.4	15-130	11.1	50
2-Methylnaphthalene	0.0152	0.00500	"	0.0333	ND	45.6	15-130	10.0	50
Surrogate: 2-Methylnaphthalene-d10	0.0147		"	0.0333		44.0	40-150		
Surrogate: Fluoranthene-d10	0.0181		"	0.0333		54.3	40-150		

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
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Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BGH1032 - EPA 3050B

Blank (BGH1032-BLK1)

Prepared: 08/25/23 Analyzed: 08/30/23

Boron ND 0.0100 mg/L

LCS (BGH1032-BS1)

Prepared: 08/25/23 Analyzed: 08/30/23

Boron 5.22 0.0100 mg/L 5.00 104 80-120

Duplicate (BGH1032-DUP1)

Source: 2308565-01

Prepared: 08/25/23 Analyzed: 08/30/23

Boron ND 0.0100 mg/L ND 20

Matrix Spike (BGH1032-MS1)

Source: 2308565-01

Prepared: 08/25/23 Analyzed: 08/30/23

Boron 5.01 0.0100 mg/L 5.00 ND 100 75-125

Matrix Spike Dup (BGH1032-MSD1)

Source: 2308565-01

Prepared: 08/25/23 Analyzed: 08/30/23

Boron 5.26 0.0100 mg/L 5.00 ND 105 75-125 4.87 25

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240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Total Metals by EPA 6020B - Quality Control
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Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BGH1091 - EPA 3050B

Blank (BGH1091-BLK1)

Prepared: 08/28/23 Analyzed: 08/30/23

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Copper	ND	0.400	"
Lead	ND	0.200	"
Nickel	ND	0.400	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"
Selenium	ND	0.260	"

LCS (BGH1091-BS1)

Prepared: 08/28/23 Analyzed: 08/30/23

Arsenic	38.4	0.200	mg/kg wet	40.0	96.0	80-120
Barium	43.1	0.400	"	40.0	108	80-120
Cadmium	2.13	0.200	"	2.00	107	80-120
Copper	38.3	0.400	"	40.0	95.8	80-120
Lead	21.4	0.200	"	20.0	107	80-120
Nickel	38.3	0.400	"	40.0	95.8	80-120
Silver	2.09	0.0200	"	2.00	104	80-120
Zinc	38.9	0.400	"	40.0	97.2	80-120

Duplicate (BGH1091-DUP1)

Source: 2308565-01

Prepared: 08/28/23 Analyzed: 08/30/23

Arsenic	4.41	0.200	mg/kg dry	5.32	18.5	20	
Barium	40.6	0.400	"	55.3	30.6	20	QM-04
Cadmium	0.145	0.200	"	0.182	22.7	20	QR-01
Copper	7.75	0.400	"	9.09	15.9	20	
Lead	13.2	0.200	"	15.3	15.3	20	
Nickel	10.5	0.400	"	13.8	27.2	20	QM-04
Silver	0.0454	0.0200	"	0.0512	12.0	20	
Zinc	34.7	0.400	"	39.4	12.7	20	
Selenium	1.22	0.260	"	1.38	12.2	200	

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BGH1091 - EPA 3050B

Matrix Spike (BGH1091-MS1)		Source: 2308565-01			Prepared: 08/28/23		Analyzed: 08/30/23			
Arsenic	36.2	0.200	mg/kg dry	48.3	5.32	64.0	75-125			QM-07
Barium	75.6	0.400	"	48.3	55.3	42.1	75-125			QM-07
Cadmium	2.00	0.200	"	2.41	0.182	75.2	75-125			
Copper	27.9	0.400	"	48.3	9.09	38.9	75-125			QM-07
Lead	30.5	0.200	"	24.1	15.3	63.0	75-125			QM-07
Nickel	30.7	0.400	"	48.3	13.8	34.9	75-125			QM-07
Silver	1.89	0.0200	"	2.41	0.0512	76.3	75-125			
Zinc	52.2	0.400	"	48.3	39.4	26.5	75-125			QM-07

Matrix Spike Dup (BGH1091-MSD1)		Source: 2308565-01			Prepared: 08/28/23		Analyzed: 08/30/23			
Arsenic	36.0	0.200	mg/kg dry	48.3	5.32	63.5	75-125	0.753	25	QM-07
Barium	78.2	0.400	"	48.3	55.3	47.4	75-125	3.36	25	QM-07
Cadmium	2.08	0.200	"	2.41	0.182	78.7	75-125	4.19	25	
Copper	28.2	0.400	"	48.3	9.09	39.6	75-125	1.20	25	QM-07
Lead	31.5	0.200	"	24.1	15.3	67.0	75-125	3.08	25	QM-07
Nickel	30.9	0.400	"	48.3	13.8	35.3	75-125	0.688	25	QM-07
Silver	1.91	0.0200	"	2.41	0.0512	77.0	75-125	0.863	25	
Zinc	52.7	0.400	"	48.3	39.4	27.6	75-125	1.02	25	QM-07

Summit Scientific

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240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BGH1164 - 3060A Mod

Blank (BGH1164-BLK1)

Prepared & Analyzed: 08/29/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGH1164-BS1)

Prepared & Analyzed: 08/29/23

Chromium, Hexavalent 26.5 0.30 mg/kg wet 25.0 106 80-120

Duplicate (BGH1164-DUP1)

Source: 2308446-03

Prepared & Analyzed: 08/29/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGH1164-MS1)

Source: 2308446-03

Prepared & Analyzed: 08/29/23

Chromium, Hexavalent 25.4 0.30 mg/kg dry 29.1 ND 87.2 75-125

Matrix Spike Dup (BGH1164-MSD1)

Source: 2308446-03

Prepared & Analyzed: 08/29/23

Chromium, Hexavalent 25.0 0.30 mg/kg dry 29.1 ND 86.0 75-125 1.39 20

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BGH1166 - General Preparation

Blank (BGH1166-BLK1)

Prepared: 08/29/23 Analyzed: 08/30/23

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BGH1166-BS1)

Prepared: 08/29/23 Analyzed: 08/30/23

Calcium	5.19	0.0500	mg/L wet	5.00	104	70-130
Magnesium	5.36	0.0500	"	5.00	107	70-130
Sodium	5.50	0.0500	"	5.00	110	70-130

Summit Scientific

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Project: Yenter North Line

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Project Manager: Nick Yourd

Reported:

09/01/23 14:39

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BGH1110 - General Preparation

Duplicate (BGH1110-DUP1)			Source: 2308565-01			Prepared & Analyzed: 08/28/23				
% Solids	82.5		%			82.8		0.373	20	

Summit Scientific



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Project: Yenter North Line
Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BGH1188 - General Preparation

Blank (BGH1188-BLK1)

Prepared: 08/29/23 Analyzed: 08/30/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGH1188-BS1)

Prepared: 08/29/23 Analyzed: 08/30/23

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BGH1188-DUP1)

Source: 2308546-01

Prepared: 08/29/23 Analyzed: 08/30/23

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.158 0.00 20

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BGH1189 - General Preparation

LCS (BGH1189-BS1)

Prepared: 08/29/23 Analyzed: 08/30/23

pH	9.08	pH Units	9.18	98.9	95-105
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Duplicate (BGH1189-DUP1)

Source: 2308546-01

Prepared: 08/29/23 Analyzed: 08/30/23

pH	8.57	pH Units	8.57	0.00	20
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Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: [none]
Project Manager: Nick Yourd

Reported:
09/01/23 14:39

Notes and Definitions

QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
QM-04	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
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