

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,



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

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S₂

Sample Receipt Checklist

S2 Work Order# 2308565

Client: Entesa Consulting Group Client Project ID: Center North Line

Shipped 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on ice</u>
If custody seals are present, are they intact? ⁽¹⁾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input 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.

EAC
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)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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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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 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	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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 11:35**

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

PAH by EPA Method 8270D SIM

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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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Project: Yenter North Line

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09/01/23 14:39

EX10@19
2308565-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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Project: Yenter North Line

Project Number: [none]
 Project Manager: Nick Yourd

Reported:
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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 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	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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 10:15**

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

PAH by EPA Method 8270D SIM

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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

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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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

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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
 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

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
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

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
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

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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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)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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)

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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 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	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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 10:25**

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

PAH by EPA Method 8270D SIM

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

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

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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	

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

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)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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 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	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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 10:35**

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

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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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

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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
 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

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 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	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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 14:40**

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

PAH by EPA Method 8270D SIM

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

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

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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)

Summit Scientific

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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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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0243</i>		<i>"</i>	<i>0.0400</i>		<i>60.7</i>	<i>50-150</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0357</i>		<i>"</i>	<i>0.0400</i>		<i>89.3</i>	<i>50-150</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0300</i>		<i>"</i>	<i>0.0400</i>		<i>75.1</i>	<i>50-150</i>				

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				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0265</i>		<i>"</i>	<i>0.0400</i>		<i>66.2</i>	<i>50-150</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0361</i>		<i>"</i>	<i>0.0400</i>		<i>90.2</i>	<i>50-150</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0308</i>		<i>"</i>	<i>0.0400</i>		<i>77.0</i>	<i>50-150</i>				

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				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0257</i>		<i>"</i>	<i>0.0400</i>		<i>64.4</i>	<i>50-150</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0361</i>		<i>"</i>	<i>0.0400</i>		<i>90.3</i>	<i>50-150</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0302</i>		<i>"</i>	<i>0.0400</i>		<i>75.4</i>	<i>50-150</i>				

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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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

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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 240 Mesa Avenue
 Grand Junction, CO, 81501

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

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: <i>o</i> -Terphenyl	15.3		"	12.5		123		30-150			

LCS (BGH1117-BS1)

Prepared & Analyzed: 08/28/23

C10-C28 (DRO)	498	50	mg/kg	500		99.6		70-130			
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -Terphenyl	14.8		"	12.5		119		30-150			

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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

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	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

Summit Scientific

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

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					
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0172</i>		<i>"</i>	<i>0.0333</i>		<i>51.5</i>	<i>40-150</i>					
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0170</i>		<i>"</i>	<i>0.0333</i>		<i>50.9</i>	<i>40-150</i>					

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			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0147</i>		<i>"</i>	<i>0.0333</i>		<i>44.0</i>	<i>40-150</i>					
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0181</i>		<i>"</i>	<i>0.0333</i>		<i>54.3</i>	<i>40-150</i>					

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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

Summit Scientific

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

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

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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

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

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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

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

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

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.





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

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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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 - Quality Control

Summit Scientific

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

Batch BGH1110 - General Preparation

Duplicate (BGH1110-DUP1)

Source: 2308565-01

Prepared & Analyzed: 08/28/23

% Solids	82.5		%		82.8			0.373		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

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

Summit Scientific

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

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	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%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