

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 29, 2023

Nick Yourd

Entrada Consulting Group

240 Mesa Avenue

Grand Junction., CO 81501

RE: Yenter North Line

Work Order #2308428

Enclosed are the results of analyses for samples received by Summit Scientific on 08/18/23 12:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a small "w" at the end of the last name.

Jacob Wood For Paul Shrewsbury

President



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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX01@3	2308428-01	Soil	08/16/23 08:00	08/18/23 12:45
EX02@3	2308428-02	Soil	08/16/23 08:10	08/18/23 12:45
EX03@3	2308428-03	Soil	08/16/23 08:20	08/18/23 12:45
EX04@3	2308428-04	Soil	08/16/23 08:30	08/18/23 12:45
EX05@3	2308428-05	Soil	08/16/23 08:40	08/18/23 12:45
EX06@3	2308428-06	Soil	08/16/23 08:50	08/18/23 12:45
EX07@6	2308428-07	Soil	08/16/23 09:00	08/18/23 12:45
EX08@6	2308428-08	Soil	08/16/23 09:10	08/18/23 12:45
BKG01@3	2308428-09	Soil	08/16/23 09:20	08/18/23 12:45
BKG01@6	2308428-10	Soil	08/16/23 09:30	08/18/23 12:45

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

Lab ID	Page 1 of 1
2308428	

Client: <u>Entrada Consulting Group</u>		Project Manager: <u>Nick Yow d</u>		Company: <u>Entrada</u>	
Address:		E-Mail: <u>n.yow@dentradainc.com</u>		Project Name/Location:	
City/State/Zip:		<u>shall@entradainc.com, rjohnson@entradainc.com</u>		AFE#:	
Phone: <u>412-337-5122</u>		Project Name: <u>Yenter North Line</u>		PO/Billing Codes:	
Sampler Name: <u>Nick Yow d</u>		Project Number: <u>023-089</u>		Contact:	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested				Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Full Table	EC, SAR		pH, Barion
1	EX0163	8/14/23	0800	2			X			X						
2	EX0263		0810													
3	EX0363		0820													
4	EX0463		0830													
5	EX0563		0840													
6	EX0663		0850													
7	EX0766		0900													
8	EX0866		0916													
9	BKG0163		0920										X	X	X	
10	BKG0166		0930										X	X	X	
11																
12																
13																
14																
15																

Relinquished by: <u>X</u>	Date/Time: <u>1245 8/18/23</u>	Received by: <u>M</u>	Date/Time: <u>8/18/23 12:50</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: <u>26.6</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			

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

Lab ID: 2308428
Page 1 of 1

Client: <u>Entrada Consulting Group</u>		Project Manager: <u>Nick Yow d</u>		Company: <u>Entrada</u>	
Address:		E-Mail: <u>n.yow@dentradainc.com</u>		Project Name/Location:	
City/State/Zip:		<u>shall@entradainc.com, rjohnson@entradainc.com</u>		AFE#:	
Phone: <u>412-337-5122</u>		Project Name: <u>Yenter North Line</u>		PO/Billing Codes:	
Sampler Name: <u>Nick Yow d</u>		Project Number: <u>023-089</u>		Contact:	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil		Other	Full Table	EC, SAR	pH, Barion	
1	EX0163	8/14/23	0800	2			X			X		X				
2	EX0263		0810													
3	EX0363		0820													
4	EX0463		0830													
5	EX0563		0840													
6	EX0663		0850													
7	EX0766		0900													
8	EX0866		0916													
9	BKG0163		0920									X	X	X		
10	BKG0166		0930									X	X	X		
11																
12																
13																
14																
15																

Relinquished by: <u>X</u>	Date/Time: <u>1245 8/18/23</u>	Received by: <u>M</u>	Date/Time: <u>8/18/23 12:50</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: <u>26.6</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			



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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX01@3
2308428-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 08:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0376	94.1 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0375	93.7 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	97.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGH0944	08/23/23	08/23/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/23 08:00**

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

PAH by EPA Method 8270D SIM

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EX01@3
2308428-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	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: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0254	76.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0157	47.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.153	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 08:00**

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
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08/29/23 10:13

EX01@3
2308428-01 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.902	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	468	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.27	0.400	"	"	"	"	"	"	
Lead	6.69	0.200	"	"	"	"	"	"	
Nickel	1.65	0.400	"	"	"	"	"	"	
Silver	0.0235	0.0200	"	"	"	"	"	"	
Zinc	5.51	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	237	0.0577	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	17.8	0.0577	"	"	"	"	"	"	
Sodium	72.5	0.0577	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.22	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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EX01@3
2308428-01 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.7		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.435	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.09		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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Project: Yenter North Line
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Project Manager: Nick Yourd

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08/29/23 10:13

EX02@3
2308428-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0345	86.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0386	96.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0398	99.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/23 08:10**

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

PAH by EPA Method 8270D SIM

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240 Mesa Avenue
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Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

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08/29/23 10:13

EX02@3
2308428-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	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: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0297	89.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0187	56.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0526	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 08:10**

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

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 08/29/23 10:13

EX02@3
2308428-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.982	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	280	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.42	0.400	"	"	"	"	"	"	
Lead	7.47	0.200	"	"	"	"	"	"	
Nickel	1.84	0.400	"	"	"	"	"	"	
Silver	0.0298	0.0200	"	"	"	"	"	"	
Zinc	6.27	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	173	0.0591	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	13.9	0.0591	"	"	"	"	"	"	
Sodium	27.0	0.0591	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.531	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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 240 Mesa Avenue
 Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX02@3
2308428-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.6		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.340	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.46		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX03@3
2308428-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 08:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0397	99.2 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0374	93.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0372	93.1 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	13.1	104 %		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: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX03@3
2308428-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	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: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0249	74.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0172	51.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0600	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 08:20**

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: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX03@3
2308428-03 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.745	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	251	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.05	0.400	"	"	"	"	"	"	
Lead	4.47	0.200	"	"	"	"	"	"	
Nickel	1.37	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	4.76	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	164	0.0554	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	12.2	0.0554	"	"	"	"	"	"	
Sodium	43.3	0.0554	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.879	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Entrada Consulting Group
 240 Mesa Avenue
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Project: Yenter North Line
 Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX03@3
2308428-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.3		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.373	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 08:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.84		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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

Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX04@3
2308428-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0369	92.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0338	84.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0419	105 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.7	101 %	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: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX04@3
2308428-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	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: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0276	82.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0195	58.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.410	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 08:30**

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: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX04@3
2308428-04 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.933	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	195	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.24	0.400	"	"	"	"	"	"	
Lead	6.26	0.200	"	"	"	"	"	"	
Nickel	1.58	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	5.32	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	776	0.0578	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	88.7	0.0578	"	"	"	"	"	"	
Sodium	101	0.0578	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.916	0.00100	units	1	BGH1090	08/28/23	08/28/23	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: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX04@3
2308428-04 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.5		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.468	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 08:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.27		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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240 Mesa Avenue
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Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX05@3
2308428-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 08:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0361	90.3 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0414	103 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0403	101 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.9	103 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX05@3
2308428-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	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: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0196	58.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0138	41.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.540	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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 240 Mesa Avenue
 Grand Junction, CO, 81501

Project: Yenter North Line
 Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX05@3
2308428-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.855	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	158	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.18	0.400	"	"	"	"	"	"	
Lead	6.04	0.200	"	"	"	"	"	"	
Nickel	1.60	0.400	"	"	"	"	"	"	
Silver	0.0219	0.0200	"	"	"	"	"	"	
Zinc	5.43	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	435	0.0570	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	42.3	0.0570	"	"	"	"	"	"	
Sodium	138	0.0570	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.69	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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 240 Mesa Avenue
 Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX05@3
2308428-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.7		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.687	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 08:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.62		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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

Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX06@3
2308428-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0319	79.7 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0424	106 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0365	91.3 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.7	101 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Grand Junction, CO, 81501

Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX06@3
2308428-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	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: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0206	61.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0165	49.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.117	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 08:50**

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: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX06@3
2308428-06 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.766	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	254	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.24	0.400	"	"	"	"	"	"	
Lead	5.95	0.200	"	"	"	"	"	"	
Nickel	1.58	0.400	"	"	"	"	"	"	
Silver	0.0235	0.0200	"	"	"	"	"	"	
Zinc	5.34	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	627	0.0575	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	36.0	0.0575	"	"	"	"	"	"	
Sodium	88.3	0.0575	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.928	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Entrada Consulting Group
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Project: Yenter North Line
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 08/29/23 10:13

EX06@3
2308428-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.9		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.480	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.05		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

Summit Scientific

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240 Mesa Avenue
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Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX07@6
2308428-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0358	89.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0368	92.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0366	91.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.5	100 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
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Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX07@6
2308428-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.0146	0.00500	mg/kg	1	BGH0861	08/22/23	08/22/23	EPA 8270D SIM	
Anthracene	0.0184	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	0.0199	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	0.0127	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0187	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.00793	0.00500	"	"	"	"	"	"	
Chrysene	0.0150	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	0.0539	0.00500	"	"	"	"	"	"	
Fluorene	0.00952	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.00807	0.00500	"	"	"	"	"	"	
Pyrene	0.0438	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0236	70.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0178	53.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.778	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX07@6
2308428-07 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Barium	146	0.400	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.40	0.400	"	"	"	"	"	"	
Lead	7.32	0.200	"	"	"	"	"	"	
Nickel	1.68	0.400	"	"	"	"	"	"	
Silver	0.0290	0.0200	"	"	"	"	"	"	
Zinc	5.78	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	141	0.0566	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	9.48	0.0566	"	"	"	"	"	"	
Sodium	23.6	0.0566	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.519	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 09:00**

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

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 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX07@6
2308428-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.4	%	1	BGH0889	08/22/23	08/22/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 09:00**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.291	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.85		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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240 Mesa Avenue
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Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX08@6
2308428-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGH0943	08/23/23	08/25/23	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: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0435	109 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0380	95.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0363	90.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGH0944	08/23/23	08/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.1	97.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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08/29/23 10:13

EX08@6
2308428-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.0141	0.00500	mg/kg	1	BGH0861	08/22/23	08/23/23	EPA 8270D SIM	
Anthracene	0.0239	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	0.0253	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	0.0164	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0243	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0103	0.00500	"	"	"	"	"	"	
Chrysene	0.0193	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	0.0676	0.00500	"	"	"	"	"	"	
Fluorene	0.0101	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.00838	0.00500	"	"	"	"	"	"	
Pyrene	0.0511	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0244	73.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0181	54.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.440	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	0.787	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

EX08@6
2308428-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Barium	133	0.400	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.37	0.400	"	"	"	"	"	"	
Lead	6.85	0.200	"	"	"	"	"	"	
Nickel	1.70	0.400	"	"	"	"	"	"	
Silver	0.0259	0.0200	"	"	"	"	"	"	
Zinc	5.72	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	30.9	0.0558	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	15.3	0.0558	"	"	"	"	"	"	
Sodium	307	0.0558	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	11.3	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

EX08@6
2308428-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	89.6	%	1	BGH0889	08/22/23	08/22/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 09:10**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.93	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 09:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.33		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

BKG01@3
2308428-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Boron	ND	0.0100		mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.833	0.200		mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	241	0.400		"	"	"	"	"	"	
Cadmium	ND	0.200		"	"	"	"	"	"	
Copper	1.40	0.400		"	"	"	"	"	"	
Lead	6.56	0.200		"	"	"	"	"	"	
Nickel	1.68	0.400		"	"	"	"	"	"	
Silver	0.0252	0.0200		"	"	"	"	"	"	
Zinc	5.78	0.400		"	"	"	"	"	"	
Selenium	ND	0.260		"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Calcium	262	0.0606		mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	16.4	0.0606		"	"	"	"	"	"	
Sodium	4.70	0.0606		"	"	"	"	"	"	

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

Project: Yenter North Line
 Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

BKG01@3
2308428-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0761	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.6		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.278	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.19		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

BKG01@6
2308428-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	0.348	0.0100	mg/L	1	BGH0855	08/22/23	08/25/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.833	0.200	mg/kg dry	1	BGH0829	08/21/23	08/24/23	EPA 6020B	
Barium	164	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.08	0.400	"	"	"	"	"	"	
Lead	5.15	0.200	"	"	"	"	"	"	
Nickel	1.39	0.400	"	"	"	"	"	"	
Silver	0.0207	0.0200	"	"	"	"	"	"	
Zinc	5.08	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0882	08/22/23	08/23/23	EPA 7196A	

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

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	341	0.0562	mg/L dry	1	BGH0941	08/23/23	08/25/23	EPA 6020B	
Magnesium	13.6	0.0562	"	"	"	"	"	"	
Sodium	69.0	0.0562	"	"	"	"	"	"	

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

Project: Yenter North Line
 Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

BKG01@6
2308428-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.997	0.00100	units	1	BGH1090	08/28/23	08/28/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.9		%	1	BGH0889	08/22/23	08/22/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.546	0.0100	mmhos/cm	1	BGH0964	08/24/23	08/24/23	EPA 120.1	

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

Date Sampled: **08/16/23 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.76		pH Units	1	BGH0963	08/24/23	08/24/23	EPA 9045D	

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGH0943 - EPA 5030 Soil MS

Blank (BGH0943-BLK1)

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

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>	0.0334		"	0.0400		83.6	50-150			
<i>Surrogate: Toluene-d8</i>	0.0357		"	0.0400		89.2	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0380		"	0.0400		94.9	50-150			

LCS (BGH0943-BS1)

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

Benzene	0.0981	0.0020	mg/kg	0.100		98.1	70-130			
Toluene	0.0890	0.0050	"	0.100		89.0	70-130			
Ethylbenzene	0.108	0.0050	"	0.100		108	70-130			
m,p-Xylene	0.211	0.010	"	0.200		106	70-130			
o-Xylene	0.101	0.0050	"	0.100		101	70-130			
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.100		114	70-130			
1,3,5-Trimethylbenzene	0.104	0.0050	"	0.100		104	70-130			
Naphthalene	0.0701	0.0038	"	0.100		70.1	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0441		"	0.0400		110	50-150			
<i>Surrogate: Toluene-d8</i>	0.0353		"	0.0400		88.3	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0393		"	0.0400		98.2	50-150			

Matrix Spike (BGH0943-MS1)

Source: 2308428-01

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

Benzene	0.0917	0.0020	mg/kg	0.100	ND	91.7	70-130			
Toluene	0.0796	0.0050	"	0.100	ND	79.6	70-130			
Ethylbenzene	0.0744	0.0050	"	0.100	ND	74.4	70-130			
m,p-Xylene	0.208	0.010	"	0.200	ND	104	70-130			
o-Xylene	0.0718	0.0050	"	0.100	ND	71.8	70-130			
1,2,4-Trimethylbenzene	0.0884	0.0050	"	0.100	ND	88.4	70-130			
1,3,5-Trimethylbenzene	0.0920	0.0050	"	0.100	ND	92.0	70-130			
Naphthalene	0.0917	0.0038	"	0.100	ND	91.7	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0372		"	0.0400		93.1	50-150			
<i>Surrogate: Toluene-d8</i>	0.0377		"	0.0400		94.3	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0328		"	0.0400		82.0	50-150			

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGH0943 - EPA 5030 Soil MS

Matrix Spike Dup (BGH0943-MSD1)	Source: 2308428-01			Prepared: 08/23/23 Analyzed: 08/25/23						
Benzene	0.0753	0.0020	mg/kg	0.100	ND	75.3	70-130	19.7	30	
Toluene	0.0950	0.0050	"	0.100	ND	95.0	70-130	17.6	30	
Ethylbenzene	0.0986	0.0050	"	0.100	ND	98.6	70-130	27.9	30	
m,p-Xylene	0.220	0.010	"	0.200	ND	110	70-130	5.62	30	
o-Xylene	0.0963	0.0050	"	0.100	ND	96.3	70-130	29.1	30	
1,2,4-Trimethylbenzene	0.0874	0.0050	"	0.100	ND	87.4	70-130	1.09	30	
1,3,5-Trimethylbenzene	0.0931	0.0050	"	0.100	ND	93.1	70-130	1.17	30	
Naphthalene	0.0949	0.0038	"	0.100	ND	94.9	70-130	3.34	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.3</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0350</i>		<i>"</i>	<i>0.0400</i>		<i>87.6</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0420</i>		<i>"</i>	<i>0.0400</i>		<i>105</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: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0944 - EPA 3550A

Blank (BGH0944-BLK1)

Prepared & Analyzed: 08/23/23

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	12.2		"	12.5	97.7	30-150					

LCS (BGH0944-BS1)

Prepared & Analyzed: 08/23/23

C10-C28 (DRO)	465	50	mg/kg	500	93.0	70-130					
Surrogate: <i>o</i> -Terphenyl	11.5		"	12.5	91.6	30-150					

Matrix Spike (BGH0944-MS1)

Source: 2308428-01

Prepared & Analyzed: 08/23/23

C10-C28 (DRO)	595	50	mg/kg	500	6.35	118	70-130				
Surrogate: <i>o</i> -Terphenyl	12.3		"	12.5	98.6	30-150					

Matrix Spike Dup (BGH0944-MSD1)

Source: 2308428-01

Prepared & Analyzed: 08/23/23

C10-C28 (DRO)	493	50	mg/kg	500	6.35	97.4	70-130	18.7	20		
Surrogate: <i>o</i> -Terphenyl	11.4		"	12.5	91.4	30-150					

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

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 BGH0861 - EPA 5030 Soil MS

Blank (BGH0861-BLK1)

Prepared & Analyzed: 08/22/23

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	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0406</i>		"	<i>0.0333</i>		<i>122</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0312</i>		"	<i>0.0333</i>		<i>93.7</i>		<i>40-150</i>		

LCS (BGH0861-BS1)

Prepared & Analyzed: 08/22/23

Acenaphthene	0.0185	0.00500	mg/kg	0.0333		55.5		31-137		
Anthracene	0.0318	0.00500	"	0.0333		95.4		30-120		
Benzo (a) anthracene	0.0323	0.00500	"	0.0333		96.9		30-120		
Benzo (a) pyrene	0.0305	0.00500	"	0.0333		91.4		30-120		
Benzo (b) fluoranthene	0.0332	0.00500	"	0.0333		99.5		30-120		
Benzo (k) fluoranthene	0.0318	0.00500	"	0.0333		95.5		30-120		
Chrysene	0.0309	0.00500	"	0.0333		92.6		30-120		
Dibenz (a,h) anthracene	0.0225	0.00500	"	0.0333		67.4		30-120		
Fluoranthene	0.0322	0.00500	"	0.0333		96.5		30-120		
Fluorene	0.0141	0.00500	"	0.0333		42.4		30-120		
Indeno (1,2,3-cd) pyrene	0.0125	0.00500	"	0.0333		37.5		30-120		
Pyrene	0.0323	0.00500	"	0.0333		96.8		35-142		
1-Methylnaphthalene	0.0314	0.00500	"	0.0333		94.3		35-142		
2-Methylnaphthalene	0.0309	0.00500	"	0.0333		92.7		35-142		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0389</i>		"	<i>0.0333</i>		<i>117</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0291</i>		"	<i>0.0333</i>		<i>87.4</i>		<i>40-150</i>		

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

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 BGH0861 - EPA 5030 Soil MS

Matrix Spike (BGH0861-MS1)	Source: 2308428-01			Prepared & Analyzed: 08/22/23						
Acenaphthene	0.0207	0.00500	mg/kg	0.0333	ND	62.2	31-137			
Anthracene	0.0374	0.00500	"	0.0333	ND	112	30-120			
Benzo (a) anthracene	0.0396	0.00500	"	0.0333	ND	119	30-120			
Benzo (a) pyrene	0.0365	0.00500	"	0.0333	ND	109	30-120			
Benzo (b) fluoranthene	0.0382	0.00500	"	0.0333	ND	115	30-120			
Benzo (k) fluoranthene	0.0367	0.00500	"	0.0333	ND	110	30-120			
Chrysene	0.0347	0.00500	"	0.0333	ND	104	30-120			
Dibenz (a,h) anthracene	0.0173	0.00500	"	0.0333	ND	52.0	30-120			
Fluoranthene	0.0322	0.00500	"	0.0333	ND	96.5	30-120			
Fluorene	0.0197	0.00500	"	0.0333	ND	59.1	30-120			
Indeno (1,2,3-cd) pyrene	0.0391	0.00500	"	0.0333	ND	117	30-120			
Pyrene	0.0255	0.00500	"	0.0333	ND	76.6	35-142			
1-Methylnaphthalene	0.0301	0.00500	"	0.0333	ND	90.3	15-130			
2-Methylnaphthalene	0.0371	0.00500	"	0.0333	ND	111	15-130			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0283</i>		<i>"</i>	<i>0.0333</i>		<i>85.0</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0193</i>		<i>"</i>	<i>0.0333</i>		<i>58.0</i>	<i>40-150</i>			

Matrix Spike Dup (BGH0861-MSD1)	Source: 2308428-01			Prepared & Analyzed: 08/22/23						
Acenaphthene	0.0244	0.00500	mg/kg	0.0333	ND	73.2	31-137	16.2	30	
Anthracene	0.0335	0.00500	"	0.0333	ND	100	30-120	11.0	30	
Benzo (a) anthracene	0.0315	0.00500	"	0.0333	ND	94.6	30-120	22.6	30	
Benzo (a) pyrene	0.0363	0.00500	"	0.0333	ND	109	30-120	0.614	30	
Benzo (b) fluoranthene	0.0284	0.00500	"	0.0333	ND	85.3	30-120	29.3	30	
Benzo (k) fluoranthene	0.0332	0.00500	"	0.0333	ND	99.6	30-120	10.1	30	
Chrysene	0.0286	0.00500	"	0.0333	ND	85.9	30-120	19.0	30	
Dibenz (a,h) anthracene	0.0173	0.00500	"	0.0333	ND	52.0	30-120	0.0193	30	
Fluoranthene	0.0345	0.00500	"	0.0333	ND	103	30-120	6.97	30	
Fluorene	0.0234	0.00500	"	0.0333	ND	70.3	30-120	17.3	30	
Indeno (1,2,3-cd) pyrene	0.0331	0.00500	"	0.0333	ND	99.2	30-120	16.8	30	
Pyrene	0.0343	0.00500	"	0.0333	ND	103	35-142	29.2	30	
1-Methylnaphthalene	0.0198	0.00500	"	0.0333	ND	59.3	15-130	41.4	50	
2-Methylnaphthalene	0.0244	0.00500	"	0.0333	ND	73.2	15-130	41.2	50	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0231</i>		<i>"</i>	<i>0.0333</i>		<i>69.2</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0159</i>		<i>"</i>	<i>0.0333</i>		<i>47.8</i>	<i>40-150</i>			

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0855 - EPA 3050B

Blank (BGH0855-BLK1)

Prepared: 08/22/23 Analyzed: 08/25/23

Boron ND 0.0100 mg/L

LCS (BGH0855-BS1)

Prepared: 08/22/23 Analyzed: 08/25/23

Boron 5.64 0.0100 mg/L 5.00 113 80-120

Duplicate (BGH0855-DUP1)

Source: 2308428-01

Prepared: 08/22/23 Analyzed: 08/25/23

Boron 0.133 0.0100 mg/L 0.153 14.1 20

Matrix Spike (BGH0855-MS1)

Source: 2308428-01

Prepared: 08/22/23 Analyzed: 08/25/23

Boron 5.36 0.0100 mg/L 5.00 0.153 104 75-125

Matrix Spike Dup (BGH0855-MSD1)

Source: 2308428-01

Prepared: 08/22/23 Analyzed: 08/25/23

Boron 5.45 0.0100 mg/L 5.00 0.153 106 75-125 1.71 25

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

Project: Yenter North Line
Project Number: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

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 BGH0829 - EPA 3050B

Blank (BGH0829-BLK1)

Prepared: 08/21/23 Analyzed: 08/24/23

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 (BGH0829-BS1)

Prepared: 08/21/23 Analyzed: 08/24/23

Arsenic	34.6	0.200	mg/kg wet	40.0	86.5	80-120				
Barium	37.7	0.400	"	40.0	94.4	80-120				
Cadmium	1.87	0.200	"	2.00	93.3	80-120				
Copper	33.2	0.400	"	40.0	82.9	80-120				
Lead	18.8	0.200	"	20.0	94.1	80-120				
Nickel	33.0	0.400	"	40.0	82.4	80-120				
Silver	1.84	0.0200	"	2.00	92.0	80-120				
Zinc	34.6	0.400	"	40.0	86.6	80-120				

Duplicate (BGH0829-DUP1)

Source: 2308428-01

Prepared: 08/21/23 Analyzed: 08/24/23

Arsenic	0.864	0.200	mg/kg dry	0.902	4.34	20				
Barium	312	0.400	"	468	40.0	20				QR-04
Cadmium	0.117	0.200	"	0.160	30.9	20				QR-01
Copper	1.27	0.400	"	1.27	0.255	20				
Lead	5.73	0.200	"	6.69	15.4	20				
Nickel	1.57	0.400	"	1.65	4.59	20				
Silver	0.0217	0.0200	"	0.0235	8.16	20				
Zinc	5.33	0.400	"	5.51	3.25	20				
Selenium	ND	0.260	"	ND		200				

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0829 - EPA 3050B

Matrix Spike (BGH0829-MS1)

Source: 2308428-01

Prepared: 08/21/23 Analyzed: 08/24/23

Arsenic	10.1	0.200	mg/kg dry	46.2	0.902	20.0	75-125			QM-01
Barium	354	0.400	"	46.2	468	NR	75-125			QM-01
Cadmium	1.81	0.200	"	2.31	0.160	71.5	75-125			QM-01
Copper	10.2	0.400	"	46.2	1.27	19.3	75-125			QM-01
Lead	20.8	0.200	"	23.1	6.69	61.0	75-125			QM-01
Nickel	10.8	0.400	"	46.2	1.65	19.7	75-125			QM-01
Silver	1.65	0.0200	"	2.31	0.0235	70.6	75-125			QM-01
Zinc	15.3	0.400	"	46.2	5.51	21.1	75-125			QM-01

Matrix Spike Dup (BGH0829-MSD1)

Source: 2308428-01

Prepared: 08/21/23 Analyzed: 08/24/23

Arsenic	10.3	0.200	mg/kg dry	46.2	0.902	20.3	75-125	1.19	25	QM-01
Barium	441	0.400	"	46.2	468	NR	75-125	22.0	25	QM-01
Cadmium	2.13	0.200	"	2.31	0.160	85.5	75-125	16.4	25	
Copper	10.3	0.400	"	46.2	1.27	19.6	75-125	1.01	25	QM-01
Lead	24.6	0.200	"	23.1	6.69	77.6	75-125	16.9	25	
Nickel	10.9	0.400	"	46.2	1.65	20.1	75-125	1.32	25	QM-01
Silver	1.93	0.0200	"	2.31	0.0235	82.5	75-125	15.4	25	
Zinc	15.9	0.400	"	46.2	5.51	22.5	75-125	4.07	25	QM-01

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

Project: Yenter North Line
 Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BGH0882 - 3060A Mod

Blank (BGH0882-BLK1)

Prepared: 08/22/23 Analyzed: 08/23/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGH0882-BS1)

Prepared: 08/22/23 Analyzed: 08/23/23

Chromium, Hexavalent 24.9 0.30 mg/kg wet 25.0 99.6 80-120

Duplicate (BGH0882-DUP1)

Source: 2308415-01

Prepared: 08/22/23 Analyzed: 08/23/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGH0882-MS1)

Source: 2308415-01

Prepared: 08/22/23 Analyzed: 08/23/23

Chromium, Hexavalent 25.5 0.30 mg/kg dry 26.7 ND 95.6 75-125

Matrix Spike Dup (BGH0882-MSD1)

Source: 2308415-01

Prepared: 08/22/23 Analyzed: 08/23/23

Chromium, Hexavalent 24.7 0.30 mg/kg dry 26.7 ND 92.6 75-125 3.19 20

Summit Scientific

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

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0941 - General Preparation

Blank (BGH0941-BLK1)

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

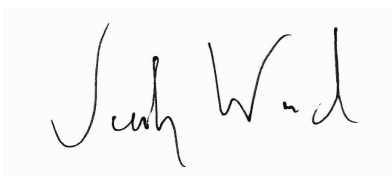
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BGH0941-BS1)

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

Calcium	5.83	0.0500	mg/L wet	5.00		117	70-130			
Magnesium	5.61	0.0500	"	5.00		112	70-130			
Sodium	5.63	0.0500	"	5.00		113	70-130			

Summit Scientific



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

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0889 - General Preparation


Duplicate (BGH0889-DUP1)

Source: 2308428-01

Prepared & Analyzed: 08/22/23

% Solids	86.8		%		86.7			0.167	20	
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Entrada Consulting Group
 240 Mesa Avenue
 Grand Junction, CO, 81501

Project: Yenter North Line

Project Number: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0964 - General Preparation

Blank (BGH0964-BLK1)

Prepared & Analyzed: 08/24/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGH0964-BS1)

Prepared & Analyzed: 08/24/23

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 102 95-105


Duplicate (BGH0964-DUP1)

Source: 2308428-01

Prepared & Analyzed: 08/24/23

Specific Conductance (EC) 0.435 0.0100 mmhos/cm 0.435 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: 023-089
 Project Manager: Nick Yourd

Reported:
 08/29/23 10:13

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 BGH0963 - General Preparation

LCS (BGH0963-BS1)

Prepared & Analyzed: 08/24/23

pH	9.23	pH Units	9.18	101	95-105
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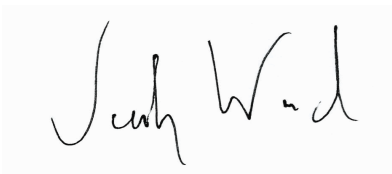
Duplicate (BGH0963-DUP1)

Source: 2308428-01

Prepared & Analyzed: 08/24/23

pH	9.09	pH Units	9.09	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: 023-089
Project Manager: Nick Yourd

Reported:
08/29/23 10:13

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- 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