

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 16, 2022

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

RE: Dawson A1

Work Order #2204355

Enclosed are the results of analyses for samples received by Summit Scientific on 04/22/22 10:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS1-2	2204355-01	Soil	04/21/22 10:25	04/22/22 10:40
SS2-2	2204355-02	Soil	04/21/22 10:27	04/22/22 10:40
SS3-1	2204355-03	Soil	04/21/22 10:29	04/22/22 10:40
SS4-1	2204355-04	Soil	04/21/22 10:31	04/22/22 10:40
SS5-1	2204355-05	Soil	04/21/22 10:33	04/22/22 10:40
SS6-1	2204355-06	Soil	04/21/22 10:35	04/22/22 10:40
SS7-1	2204355-07	Soil	04/21/22 10:37	04/22/22 10:40
SS8-1	2204355-08	Soil	04/21/22 10:39	04/22/22 10:40
SS9-4	2204355-09	Soil	04/21/22 10:41	04/22/22 10:40
BG1-1	2204355-10	Soil	04/21/22 14:05	04/22/22 10:40
BG2-1	2204355-11	Soil	04/21/22 14:10	04/22/22 10:40

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S₂

2204355.1

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Client: Entrada Consulting Group

Project Manager: Jeremy Pike

Address: 1843 Sunlight Drive

E-Mail: jpike@entradainc.com

City/State/Zip: Longmont, Colorado, 80504

Phone: 435-630-4748

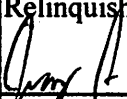

Project Name: Dawson A1

Sampler Name: Jeremy Pike

Project Number: 021-187 (Bill directly to Western Operating)

					Preservative				Matrix				Analysis Requested							
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Full Table 915-1	BTEX	TPH (C6-C36)	EC	SAR	pH	Boron	
1	SS1-2	4/21/22	1025	3			X			X			X							
2	SS2-2		1027	1									X							
3	SS3-1		1029	1									X							
4	SS4-1		1031	1									X							
5	SS5-1		1033	1									X							
6	SS6-1		1035	1									X							
7	SS7-1		1037	1									X							
8	SS8-1		1039	1									X							
9	SS9-4		1041	3									X							
10	B61-1		1425	1																

HOLD

Relinquished by: 	Date/Time: 4/22/22 1040	Received by:	Date/Time:	Turn Around Time (Check)
				Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/>
				24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>
				48 hours <input type="checkbox"/>
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:
				Temperature Upon Receipt: 1K
Relinquished by:	Date/Time:	Received by: 	Date/Time: 4.22.22 1040	Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No

Summit Scientific

S₂

2204355.2

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Client: Entrada Consulting Group

Project Manager: Jeremy Pike

Address: 1843 Sunlight Drive

E-Mail: jpike@entradainc.com

City/State/Zip: Longmont, Colorado, 80504

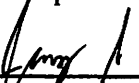

Phone: 435-630-4748

Project Name: Dawson A1

Sampler Name: Jeremy Pike

Project Number: 021-187 (Bill directly to Western Operating)

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	Full Table 915-1	BTEX	TPH (C6-C36)	EC	SAR	pH	Boron	
1	B62-1	4/21/22	1410	X			X			X										
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time (Check)
	4/22/22 1040			Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/>
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>
				48 hours <input type="checkbox"/>
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:
			4.22.22 1040	Temperature Upon Receipt: 18
				Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No

HOLD

S₂

Sample Receipt Checklist

S2 Work Order# 2204355Client: Entrada Client Project ID: Dawson A1

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

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Matrix (Check all that apply) Air ☐ Soil/Solid ☒ Water ☐ Other ☐Temp (°C) 18 Thermometer # 2

	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>an i u</u>
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"/>	
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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽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.				

AT
Custodian Printed Name4.22.22
Date/Time



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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS1-2
2204355-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0316	79.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.3 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/26/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.5	91.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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SS1-2
2204355-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0203	60.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0188	56.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0154	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SS1-2
2204355-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	1.56	0.210	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	55.3	0.420	"	"	"	"	"	"
Cadmium	ND	0.210	"	"	"	"	"	"
Copper	2.72	0.420	"	"	"	"	"	"
Lead	3.25	0.210	"	"	"	"	"	"
Nickel	3.80	0.420	"	"	"	"	"	"
Selenium	0.385	0.273	"	"	"	"	"	"
Silver	ND	0.0210	"	"	"	"	"	"
Zinc	12.9	0.420	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	3.70	0.0525	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	0.864	0.0525	"	"	"	"	"	"	
Sodium	0.326	0.0525	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0397	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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05/16/22 08:21

SS1-2
2204355-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.1		%	1	BFD0633	04/28/22	04/29/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.103	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.55		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

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240 Mesa Avenue
Grand Junction, CO, 81501

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05/16/22 08:21

SS2-2
2204355-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0310	77.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0394	98.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/26/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.5	92.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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SS2-2
2204355-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0208	62.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0197	59.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0944	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
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Project: Dawson A1
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Reported:
05/16/22 08:21

SS2-2
2204355-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.21	0.213	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	85.9	0.426	"	"	"	"	"	"
Cadmium	ND	0.213	"	"	"	"	"	"
Copper	5.21	0.426	"	"	"	"	"	"
Lead	4.88	0.213	"	"	"	"	"	"
Nickel	5.65	0.426	"	"	"	"	"	"
Selenium	0.533	0.277	"	"	"	"	"	"
Silver	0.0249	0.0213	"	"	"	"	"	"
Zinc	19.8	0.426	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	3.24	0.0533	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	1.60	0.0533	"	"	"	"	"	"	
Sodium	1.58	0.0533	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.179	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:27**

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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS2-2
2204355-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	93.9	%	1	BFD0633	04/28/22	04/29/22	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.275	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.72		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS3-1
2204355-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0313	78.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	99.9 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0387	96.7 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.5	92.2 %	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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS3-1
2204355-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0196	58.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0211	63.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0382	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:29**

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

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS3-1
2204355-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	1.06	0.209	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	45.8	0.418	"	"	"	"	"	"
Cadmium	ND	0.209	"	"	"	"	"	"
Copper	1.91	0.418	"	"	"	"	"	"
Lead	2.35	0.209	"	"	"	"	"	"
Nickel	2.70	0.418	"	"	"	"	"	"
Selenium	0.302	0.272	"	"	"	"	"	"
Silver	ND	0.0209	"	"	"	"	"	"
Zinc	9.10	0.418	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	4.41	0.0523	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	0.767	0.0523	"	"	"	"	"	"	
Sodium	0.347	0.0523	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0401	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS3-1
2204355-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.7		%	1	BFD0633	04/28/22	04/29/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.106	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.63		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS4-1
2204355-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0316	79.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0402	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.6	92.6 %	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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS4-1
2204355-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0216	64.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0215	64.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0318	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:31**

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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS4-1
2204355-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.15	0.218	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	89.3	0.435	"	"	"	"	"	"
Cadmium	ND	0.218	"	"	"	"	"	"
Copper	4.05	0.435	"	"	"	"	"	"
Lead	4.02	0.218	"	"	"	"	"	"
Nickel	5.01	0.435	"	"	"	"	"	"
Selenium	0.450	0.283	"	"	"	"	"	"
Silver	ND	0.0218	"	"	"	"	"	"
Zinc	16.9	0.435	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7.66	0.0544	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	1.15	0.0544	"	"	"	"	"	"	
Sodium	0.744	0.0544	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0663	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS4-1
2204355-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.9		%	1	BFD0633	04/28/22	04/29/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.168	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.57		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS5-1
2204355-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0320	80.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0397	99.3 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	97.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	60	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.7	94.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS5-1
2204355-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0202	60.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0197	59.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0632	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:33**

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

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS5-1
2204355-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.69	0.207	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	87.1	0.414	"	"	"	"	"	"
Cadmium	ND	0.207	"	"	"	"	"	"
Copper	9.87	0.414	"	"	"	"	"	"
Lead	10.9	0.207	"	"	"	"	"	"
Nickel	6.15	0.414	"	"	"	"	"	"
Selenium	0.589	0.269	"	"	"	"	"	"
Silver	0.0266	0.0207	"	"	"	"	"	"
Zinc	39.5	0.414	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	2.16	0.0517	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	0.527	0.0517	"	"	"	"	"	"	
Sodium	0.373	0.0517	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0590	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:33**

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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS5-1
2204355-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	96.7	%	1	BFD0633	04/28/22	04/29/22	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.223	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.21		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS6-1
2204355-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0318	79.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0403	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0397	99.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	11.8	94.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS6-1
2204355-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0204	61.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0210	62.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0532	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS6-1
2204355-06 (Soil)

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Total Metals by EPA 6020B

Arsenic	2.74	0.208	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	82.7	0.416	"	"	"	"	"	"
Cadmium	ND	0.208	"	"	"	"	"	"
Copper	7.68	0.416	"	"	"	"	"	"
Lead	6.38	0.208	"	"	"	"	"	"
Nickel	6.02	0.416	"	"	"	"	"	"
Selenium	0.560	0.270	"	"	"	"	"	"
Silver	0.0243	0.0208	"	"	"	"	"	"
Zinc	35.9	0.416	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	4.78	0.0520	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	0.680	0.0520	"	"	"	"	"	"	
Sodium	1.05	0.0520	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.119	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Entrada Consulting Group
240 Mesa Avenue
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Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS6-1
2204355-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	96.1	%	1	BFD0633	04/28/22	04/29/22	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.633	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.00		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS7-1
2204355-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0321	80.3 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0405	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0395	98.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	12.0	96.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS7-1
2204355-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0177	53.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0175	52.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.178	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:37**

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

Project: Dawson A1
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Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS7-1
2204355-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	1.88	0.209	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	54.3	0.417	"	"	"	"	"	"
Cadmium	ND	0.209	"	"	"	"	"	"
Copper	2.95	0.417	"	"	"	"	"	"
Lead	3.09	0.209	"	"	"	"	"	"
Nickel	3.94	0.417	"	"	"	"	"	"
Selenium	0.403	0.271	"	"	"	"	"	"
Silver	0.0225	0.0209	"	"	"	"	"	"
Zinc	13.5	0.417	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	5.16	0.0522	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	1.22	0.0522	"	"	"	"	"	"	
Sodium	3.48	0.0522	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.358	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:37**

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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS7-1
2204355-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	95.8	%	1	BFD0633	04/28/22	04/29/22	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.713	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.83		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS8-1
2204355-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0314	78.5 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0392	98.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0386	96.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	12.3	98.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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240 Mesa Avenue
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Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS8-1
2204355-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0188	56.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0184	55.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0342	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:39**

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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS8-1
2204355-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.76	0.208	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	84.4	0.416	"	"	"	"	"	"
Cadmium	ND	0.208	"	"	"	"	"	"
Copper	4.11	0.416	"	"	"	"	"	"
Lead	4.45	0.208	"	"	"	"	"	"
Nickel	5.35	0.416	"	"	"	"	"	"
Selenium	0.513	0.270	"	"	"	"	"	"
Silver	0.0215	0.0208	"	"	"	"	"	"
Zinc	18.3	0.416	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	2.13	0.0520	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	0.640	0.0520	"	"	"	"	"	"	
Sodium	2.83	0.0520	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.437	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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240 Mesa Avenue
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Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS8-1
2204355-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	96.1	%	1	BFD0633	04/28/22	04/29/22	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.558	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.28		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

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240 Mesa Avenue
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Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS9-4
2204355-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BFD0556	04/26/22	04/27/22	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0323	80.7 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0408	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	100 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	110	50	mg/kg	1	BFD0557	04/26/22	04/27/22	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	12.0	95.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS9-4
2204355-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BFD0552	04/26/22	04/28/22	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: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0186	55.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0174	52.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0936	0.0100	mg/L	1	BFE0020	05/02/22	05/09/22	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/21/22 10:41**

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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS9-4
2204355-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Arsenic	2.03	0.212	mg/kg dry	1	BFD0614	04/27/22	05/07/22	EPA 6020B
Barium	83.3	0.424	"	"	"	"	"	"
Cadmium	ND	0.212	"	"	"	"	"	"
Copper	3.26	0.424	"	"	"	"	"	"
Lead	3.36	0.212	"	"	"	"	"	"
Nickel	3.82	0.424	"	"	"	"	"	"
Selenium	0.409	0.276	"	"	"	"	"	"
Silver	ND	0.0212	"	"	"	"	"	"
Zinc	15.8	0.424	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BFE0118	05/06/22	05/06/22	EPA 7196A	

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

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	6.66	0.0530	mg/L dry	1	BFD0648	04/29/22	05/07/22	EPA 6020B	
Magnesium	1.08	0.0530	"	"	"	"	"	"	
Sodium	4.18	0.0530	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.396	0.00100	units	1	BFE0148	05/08/22	05/08/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

SS9-4
2204355-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.4		%	1	BFD0633	04/28/22	04/29/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.37	0.0100	mmhos/cm	1	BFD0654	04/29/22	05/03/22	EPA 120.1	

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

Date Sampled: **04/21/22 10:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.25		pH Units	1	BFD0653	04/29/22	05/03/22	EPA 9045D	

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Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

BG1-1
2204355-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/21/22 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.52	0.200	mg/kg dry	1	BFE0076	05/06/22	05/13/22	EPA 6020B	
Barium	55.0	0.400	"	"	"	"	"	"	
Selenium	0.533	0.260	"	"	"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.7		%	1	BFE0248	05/12/22	05/12/22	Calculation	

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

Date Sampled: **04/21/22 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.38		pH Units	1	BFE0227	05/11/22	05/11/22	EPA 9045D	

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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

BG2-1
2204355-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **04/21/22 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.59	0.200	mg/kg dry	1	BFE0076	05/06/22	05/13/22	EPA 6020B	
Barium	49.4	0.400	"	"	"	"	"	"	
Selenium	0.538	0.260	"	"	"	"	"	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/21/22 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
% Solids	95.1		%	1	BFE0248	05/12/22	05/12/22	Calculation	

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

Date Sampled: **04/21/22 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	7.11		pH Units	1	BFE0227	05/11/22	05/11/22	EPA 9045D	

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BFD0556 - EPA 5030 Soil MS

Blank (BFD0556-BLK1)

Prepared & Analyzed: 04/26/22

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0343		"	0.0400		85.8	50-150			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	50-150			

LCS (BFD0556-BS1)

Prepared & Analyzed: 04/26/22

Benzene	0.105	0.0020	mg/kg	0.100		105	70-130			
Toluene	0.104	0.0050	"	0.100		104	70-130			
Ethylbenzene	0.106	0.0050	"	0.100		106	70-130			
m,p-Xylene	0.215	0.010	"	0.200		108	70-130			
o-Xylene	0.103	0.0050	"	0.100		103	70-130			
1,2,4-Trimethylbenzene	0.106	0.0050	"	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.101	0.0050	"	0.100		101	70-130			
Naphthalene	0.113	0.0038	"	0.100		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0335		"	0.0400		83.7	50-150			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		97.9	50-150			

Matrix Spike (BFD0556-MS1)

Source: 2204354-01

Prepared & Analyzed: 04/26/22

Benzene	0.105	0.0020	mg/kg	0.100	ND	105	70-130			
Toluene	0.107	0.0050	"	0.100	ND	107	70-130			
Ethylbenzene	0.114	0.0050	"	0.100	ND	114	70-130			
m,p-Xylene	0.228	0.010	"	0.200	ND	114	70-130			
o-Xylene	0.109	0.0050	"	0.100	ND	109	70-130			
1,2,4-Trimethylbenzene	0.109	0.0050	"	0.100	ND	109	70-130			
1,3,5-Trimethylbenzene	0.108	0.0050	"	0.100	ND	108	70-130			
Naphthalene	0.119	0.0038	"	0.100	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0320		"	0.0400		80.1	50-150			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400		96.2	50-150			

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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

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

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

Batch BFD0556 - EPA 5030 Soil MS

Matrix Spike Dup (BFD0556-MSD1)		Source: 2204354-01			Prepared & Analyzed: 04/26/22						
Benzene	0.0922	0.0020	mg/kg	0.100	ND	92.2	70-130	13.0	30		
Toluene	0.0899	0.0050	"	0.100	ND	89.9	70-130	17.0	30		
Ethylbenzene	0.0974	0.0050	"	0.100	ND	97.4	70-130	15.5	30		
m,p-Xylene	0.194	0.010	"	0.200	ND	97.0	70-130	16.1	30		
o-Xylene	0.0926	0.0050	"	0.100	ND	92.6	70-130	16.7	30		
1,2,4-Trimethylbenzene	0.0913	0.0050	"	0.100	ND	91.3	70-130	17.8	30		
1,3,5-Trimethylbenzene	0.0887	0.0050	"	0.100	ND	88.7	70-130	19.6	30		
Naphthalene	0.105	0.0038	"	0.100	ND	105	70-130	12.7	30		
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	0.0319		"	0.0400		79.7	50-150				
Surrogate: Toluene-d8	0.0405		"	0.0400		101	50-150				
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.7	50-150				

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BFD0557 - EPA 3550A

Blank (BFD0557-BLK1)

Prepared & Analyzed: 04/26/22

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

LCS (BFD0557-BS1)

Prepared & Analyzed: 04/26/22

C10-C28 (DRO)	444	50	mg/kg	500	88.8	70-130
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Matrix Spike (BFD0557-MS1)

Source: 2204354-01

Prepared & Analyzed: 04/26/22

C10-C28 (DRO)	445	50	mg/kg	500	19.5	85.0	70-130
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Matrix Spike Dup (BFD0557-MSD1)

Source: 2204354-01

Prepared & Analyzed: 04/26/22

C10-C28 (DRO)	416	50	mg/kg	500	19.5	79.3	70-130	6.67	20
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240 Mesa Avenue
Grand Junction, CO, 81501

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BFD0552 - EPA 5030 Soil MS

Blank (BFD0552-BLK1)

Prepared: 04/26/22 Analyzed: 04/27/22

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	0.0332		"	0.0333		99.7	40-150			
Surrogate: Fluoranthene-d10	0.0287		"	0.0333		86.1	40-150			

LCS (BFD0552-BS1)

Prepared: 04/26/22 Analyzed: 04/27/22

Acenaphthene	0.0369	0.00500	mg/kg	0.0333	111	31-137
Anthracene	0.0356	0.00500	"	0.0333	107	30-120
Benzo (a) anthracene	0.0337	0.00500	"	0.0333	101	30-120
Benzo (a) pyrene	0.0358	0.00500	"	0.0333	107	30-120
Benzo (b) fluoranthene	0.0366	0.00500	"	0.0333	110	30-120
Benzo (k) fluoranthene	0.0396	0.00500	"	0.0333	119	30-120
Chrysene	0.0370	0.00500	"	0.0333	111	30-120
Dibenz (a,h) anthracene	0.0333	0.00500	"	0.0333	99.8	30-120
Fluoranthene	0.0350	0.00500	"	0.0333	105	30-120
Fluorene	0.0374	0.00500	"	0.0333	112	30-120
Indeno (1,2,3-cd) pyrene	0.0217	0.00500	"	0.0333	65.1	30-120
Pyrene	0.0348	0.00500	"	0.0333	104	35-142
1-Methylnaphthalene	0.0471	0.00500	"	0.0333	141	35-142
2-Methylnaphthalene	0.0415	0.00500	"	0.0333	124	35-142
Surrogate: 2-Methylnaphthalene-d10	0.0418		"	0.0333	125	40-150
Surrogate: Fluoranthene-d10	0.0370		"	0.0333	111	40-150

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BFD0552 - EPA 5030 Soil MS

Matrix Spike (BFD0552-MS1)

Source: 2204336-01

Prepared: 04/26/22 Analyzed: 04/27/22

Acenaphthene	0.0137	0.00500	mg/kg	0.0333	ND	41.0	31-137				
Anthracene	0.0149	0.00500	"	0.0333	ND	44.6	30-120				
Benzo (a) anthracene	0.0151	0.00500	"	0.0333	ND	45.4	30-120				
Benzo (a) pyrene	0.0147	0.00500	"	0.0333	ND	44.2	30-120				
Benzo (b) fluoranthene	0.0161	0.00500	"	0.0333	ND	48.2	30-120				
Benzo (k) fluoranthene	0.0159	0.00500	"	0.0333	ND	47.6	30-120				
Chrysene	0.0149	0.00500	"	0.0333	ND	44.7	30-120				
Dibenz (a,h) anthracene	0.0138	0.00500	"	0.0333	ND	41.3	30-120				
Fluoranthene	0.0152	0.00500	"	0.0333	ND	45.7	30-120				
Fluorene	0.0146	0.00500	"	0.0333	ND	43.9	30-120				
Indeno (1,2,3-cd) pyrene	0.0163	0.00500	"	0.0333	ND	49.0	30-120				
Pyrene	0.0147	0.00500	"	0.0333	ND	44.1	35-142				
1-Methylnaphthalene	0.0142	0.00500	"	0.0333	ND	42.6	15-130				
2-Methylnaphthalene	0.0153	0.00500	"	0.0333	ND	45.8	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0146		"	0.0333		43.9	40-150				
Surrogate: Fluoranthene-d10	0.0154		"	0.0333		46.2	40-150				

Matrix Spike Dup (BFD0552-MSD1)

Source: 2204336-01

Prepared: 04/26/22 Analyzed: 04/27/22

Acenaphthene	0.0174	0.00500	mg/kg	0.0333	ND	52.1	31-137	23.9	30		
Anthracene	0.0197	0.00500	"	0.0333	ND	59.1	30-120	27.9	30		
Benzo (a) anthracene	0.0155	0.00500	"	0.0333	ND	46.4	30-120	2.21	30		
Benzo (a) pyrene	0.0171	0.00500	"	0.0333	ND	51.2	30-120	14.5	30		
Benzo (b) fluoranthene	0.0167	0.00500	"	0.0333	ND	50.1	30-120	3.97	30		
Benzo (k) fluoranthene	0.0153	0.00500	"	0.0333	ND	45.8	30-120	3.82	30		
Chrysene	0.0177	0.00500	"	0.0333	ND	53.1	30-120	17.3	30		
Dibenz (a,h) anthracene	0.0181	0.00500	"	0.0333	ND	54.4	30-120	27.3	30		
Fluoranthene	0.0153	0.00500	"	0.0333	ND	45.9	30-120	0.426	30		
Fluorene	0.0194	0.00500	"	0.0333	ND	58.2	30-120	28.1	30		
Indeno (1,2,3-cd) pyrene	0.0144	0.00500	"	0.0333	ND	43.3	30-120	12.4	30		
Pyrene	0.0166	0.00500	"	0.0333	ND	49.8	35-142	12.3	30		
1-Methylnaphthalene	0.0166	0.00500	"	0.0333	ND	49.9	15-130	15.8	50		
2-Methylnaphthalene	0.0171	0.00500	"	0.0333	ND	51.3	15-130	11.3	50		
Surrogate: 2-Methylnaphthalene-d10	0.0178		"	0.0333		53.4	40-150				
Surrogate: Fluoranthene-d10	0.0193		"	0.0333		57.8	40-150				

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BFE0020 - EPA 3050B

Blank (BFE0020-BLK1)

Prepared: 05/02/22 Analyzed: 05/09/22

Boron ND 0.0100 mg/L

LCS (BFE0020-BS1)

Prepared: 05/02/22 Analyzed: 05/09/22

Boron 4.67 0.0100 mg/L 5.00 93.4 80-120

Duplicate (BFE0020-DUP1)

Source: 2204355-01

Prepared: 05/02/22 Analyzed: 05/09/22

Boron 0.0116 0.0100 mg/L 0.0154 28.2 20 QR-03

Matrix Spike (BFE0020-MS1)

Source: 2204355-01

Prepared: 05/02/22 Analyzed: 05/09/22

Boron 4.75 0.0100 mg/L 5.00 0.0154 94.6 75-125

Matrix Spike Dup (BFE0020-MSD1)

Source: 2204355-01

Prepared: 05/02/22 Analyzed: 05/09/22

Boron 4.90 0.0100 mg/L 5.00 0.0154 97.7 75-125 3.17 25

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BFD0614 - EPA 3050B

Blank (BFD0614-BLK1)

Prepared: 04/27/22 Analyzed: 05/07/22

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	"
Selenium	ND	0.260	"
Silver	ND	0.0200	"
Zinc	ND	0.400	"

LCS (BFD0614-BS1)

Prepared: 04/27/22 Analyzed: 05/07/22

Arsenic	33.1	0.200	mg/kg wet	40.0	82.8	80-120
Barium	32.4	0.400	"	40.0	81.0	80-120
Cadmium	1.67	0.200	"	2.00	83.4	80-120
Copper	32.2	0.400	"	40.0	80.6	80-120
Lead	19.6	0.200	"	20.0	97.8	80-120
Nickel	35.1	0.400	"	40.0	87.6	80-120
Selenium	3.45	0.260	"	4.00	86.3	80-120
Silver	1.61	0.0200	"	2.00	80.7	80-120
Zinc	34.5	0.400	"	40.0	86.3	80-120

Duplicate (BFD0614-DUP1)

Source: 2204355-01

Prepared: 04/27/22 Analyzed: 05/07/22

Arsenic	1.61	0.210	mg/kg dry	1.56	3.60	20
Barium	56.4	0.420	"	55.3	1.88	20
Cadmium	0.106	0.210	"	0.110	3.61	20
Copper	2.75	0.420	"	2.72	1.04	20
Lead	3.26	0.210	"	3.25	0.264	20
Nickel	3.86	0.420	"	3.80	1.40	20
Selenium	0.389	0.273	"	0.385	0.964	20
Silver	0.0177	0.0210	"	0.0181	2.28	20
Zinc	13.1	0.420	"	12.9	1.50	20

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BFD0614 - EPA 3050B

Matrix Spike (BFD0614-MS1)			Source: 2204355-01		Prepared: 04/27/22 Analyzed: 05/07/22					
Arsenic	36.9	0.210	mg/kg dry	42.0	1.56	84.1	75-125			
Barium	112	0.420	"	42.0	55.3	135	75-125			QM-05
Cadmium	1.96	0.210	"	2.10	0.110	87.9	75-125			
Copper	37.9	0.420	"	42.0	2.72	83.8	75-125			
Lead	19.6	0.210	"	21.0	3.25	77.7	75-125			
Nickel	38.9	0.420	"	42.0	3.80	83.5	75-125			
Selenium	3.27	0.273	"	4.20	0.385	68.6	75-125			QM-05
Silver	1.66	0.0210	"	2.10	0.0181	78.2	75-125			
Zinc	51.9	0.420	"	42.0	12.9	92.8	75-125			

Matrix Spike Dup (BFD0614-MSD1)			Source: 2204355-01		Prepared: 04/27/22 Analyzed: 05/07/22					
Arsenic	35.7	0.210	mg/kg dry	42.0	1.56	81.2	75-125	3.34	25	
Barium	106	0.420	"	42.0	55.3	121	75-125	5.31	25	
Cadmium	1.87	0.210	"	2.10	0.110	83.6	75-125	4.76	25	
Copper	36.4	0.420	"	42.0	2.72	80.1	75-125	4.13	25	
Lead	18.0	0.210	"	21.0	3.25	70.0	75-125	8.71	25	QM-05
Nickel	37.4	0.420	"	42.0	3.80	79.9	75-125	3.97	25	
Selenium	3.15	0.273	"	4.20	0.385	65.8	75-125	3.70	25	QM-05
Silver	1.58	0.0210	"	2.10	0.0181	74.3	75-125	5.09	25	QM-05
Zinc	50.1	0.420	"	42.0	12.9	88.6	75-125	3.49	25	

Batch BFE0076 - EPA 3050B

Blank (BFE0076-BLK1)			Prepared: 05/06/22 Analyzed: 05/13/22							
Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Selenium	ND	0.260	"							

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BFE0076 - EPA 3050B

LCS (BFE0076-BS1)

Prepared: 05/06/22 Analyzed: 05/13/22

Arsenic	33.9	0.200	mg/kg wet	40.0	84.7	80-120
Barium	35.3	0.400	"	40.0	88.2	80-120
Selenium	3.66	0.260	"	4.00	91.6	80-120

Duplicate (BFE0076-DUP1)

Source: 2204329-02

Prepared: 05/06/22 Analyzed: 05/13/22

Arsenic	4.74	0.200	mg/kg dry	4.85	2.42	20	QM-02
Barium	169	0.400	"	106	45.8	20	
Selenium	0.814	0.260	"	0.769	5.72	20	

Matrix Spike (BFE0076-MS1)

Source: 2204329-02

Prepared: 05/06/22 Analyzed: 05/13/22

Arsenic	47.4	0.200	mg/kg dry	53.7	4.85	79.4	75-125	QM-02
Barium	185	0.400	"	53.7	106	148	75-125	
Selenium	5.37	0.260	"	5.37	0.769	85.7	75-125	

Matrix Spike Dup (BFE0076-MSD1)

Source: 2204329-02

Prepared: 05/06/22 Analyzed: 05/13/22

Arsenic	51.0	0.200	mg/kg dry	53.7	4.85	86.1	75-125	7.34	25	QM-02
Barium	112	0.400	"	53.7	106	10.1	75-125	49.7	25	
Selenium	4.84	0.260	"	5.37	0.769	75.9	75-125	10.4	25	

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BFE0118 - 3060A Mod

Blank (BFE0118-BLK1)

Prepared & Analyzed: 05/06/22

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BFE0118-BS1)

Prepared & Analyzed: 05/06/22

Chromium, Hexavalent 25.7 0.30 mg/kg wet 25.0 103 80-120

Duplicate (BFE0118-DUP1)

Source: 2204355-01

Prepared & Analyzed: 05/06/22

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BFE0118-MS1)

Source: 2204355-01

Prepared & Analyzed: 05/06/22

Chromium, Hexavalent 29.1 0.30 mg/kg dry 26.3 ND 111 75-125

Matrix Spike Dup (BFE0118-MSD1)

Source: 2204355-01

Prepared & Analyzed: 05/06/22

Chromium, Hexavalent 28.7 0.30 mg/kg dry 26.3 ND 109 75-125 1.09 20

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

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

Summit Scientific

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

Batch BFD0648 - General Preparation

Blank (BFD0648-BLK1)

Prepared: 04/29/22 Analyzed: 05/07/22

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

LCS (BFD0648-BS1)

Prepared: 04/29/22 Analyzed: 05/07/22

Calcium	5.55	0.0500	mg/L wet	5.00	111	70-130
Magnesium	5.56	0.0500	"	5.00	111	70-130
Sodium	5.60	0.0500	"	5.00	112	70-130

Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

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 BFD0633 - General Preparation

Duplicate (BFD0633-DUP1) **Source: 2204355-01** Prepared: 04/28/22 Analyzed: 04/29/22

% Solids	95.1	%		95.1		0.0510	20
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Batch BFE0248 - General Preparation

Duplicate (BFE0248-DUP1) **Source: 2203541-01** Prepared & Analyzed: 05/12/22

% Solids	79.5	%		77.9		2.07	20
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Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

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

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

Batch BFD0654 - General Preparation

Blank (BFD0654-BLK1)

Prepared: 04/29/22 Analyzed: 05/03/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFD0654-BS1)

Prepared: 04/29/22 Analyzed: 05/03/22

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BFD0654-DUP1)

Source: 2204337-01

Prepared: 04/29/22 Analyzed: 05/03/22

Specific Conductance (EC) 0.316 0.0100 mmhos/cm 0.335 5.77 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: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

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

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

Batch BFD0653 - General Preparation

LCS (BFD0653-BS1) Prepared: 04/29/22 Analyzed: 05/03/22

pH	9.10	pH Units	9.18	99.1	95-105
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Duplicate (BFD0653-DUP1) Source: 2204337-01 Prepared: 04/29/22 Analyzed: 05/03/22

pH	8.12	pH Units	8.18	0.736	20
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Batch BFE0227 - General Preparation

LCS (BFE0227-BS1) Prepared & Analyzed: 05/11/22

pH	9.11	pH Units	9.18	99.2	95-105
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Duplicate (BFE0227-DUP1) Source: 2204355-10 Prepared & Analyzed: 05/11/22

pH	7.38	pH Units	7.38	0.00	20
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Summit Scientific

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

Project: Dawson A1
Project Number: 021-187
Project Manager: Jeremy Pike

Reported:
05/16/22 08:21

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
QM-02	The RPD and/or percent recovery for this QC sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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