

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 09, 2025

Chelsea Veryser
Entrada Consulting Group
240 Mesa Avenue
Grand Junction., CO 81501
RE: PDC - Nakagawa PMB 13-16
Work Order #2503310

Enclosed are the results of analyses for samples received by Summit Scientific on 03/24/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Natalie Tessier". The signature is written in a cursive, flowing style.

Natalie Tessier For Paul Shrewsbury
President



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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX01@8	2503310-01	Soil	03/24/25 16:30	03/24/25 16:30
EX02@4	2503310-02	Soil	03/24/25 16:30	03/24/25 16:30
EX03@4	2503310-03	Soil	03/24/25 16:30	03/24/25 16:30
EX04@4	2503310-04	Soil	03/24/25 16:30	03/24/25 16:30
EX05@4	2503310-05	Soil	03/24/25 16:30	03/24/25 16:30
BKG01@4	2503310-06	Soil	03/24/25 16:30	03/24/25 16:30
BKG01@8	2503310-07	Soil	03/24/25 16:30	03/24/25 16:30
BKG02@4	2503310-08	Soil	03/24/25 16:30	03/24/25 16:30
BKG02@8	2503310-09	Soil	03/24/25 16:30	03/24/25 16:30
BKG03@4	2503310-10	Soil	03/24/25 16:30	03/24/25 16:30
BKG03@8	2503310-11	Soil	03/24/25 16:30	03/24/25 16:30

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

Lab ID	Page 1 of 2
2503310	

Client: ENTRADA	Send Data To: Project Manager: CHELSEA VERYSER	Send Invoice To: Company: CHEVRON / PDC
Address:	E-Mail: ENTRADA DISTRIBUTION @ CHEVRON / PDC DISTRIBUTION	Project Name/Location:
City/State/Zip:	Project Name: NAKAGAWA PMB 13-16	AFE#:
Phone: (858) 707-5255	Project Number:	PO/Billing Codes:
Sampler Name: KYROS KASNER		Contact: BILL TO JASON DAVIDSON

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Other	Analysis Requested	Special Instructions
					HCl	HNO3	None	Other	Water	Soil				
1	EX0108	3/24/25		2			X					X	* SAME-DAY * BTEX-N, TMBS TPH * 48-HOUR * PAH, PH, EC, SAR, METALS, BORON	
2	EX0204	3/24/25										X		
3	EX0304	3/24/25										X		
4	EX0404	3/24/25										X		
5	EX0504	3/24/25										X		
6	BKG0104	3/24/25										X		
7	BKG0108	3/24/25										X		
8	BKG0204	3/24/25										X		
9	BKG0208	3/24/25										X		
10	BKG0304	3/24/25										X		
11	BKG0308	3/24/25										X		
12														
13														
14														
15														

Relinquished by: <i>[Signature]</i>	Date/Time: 3/24/25 15:25	Received by: <i>[Signature]</i>	Date/Time: 3/24/25 16:30	TAT Business Days	Field DO	Notes:
Relinquished by: S2	Date/Time: 3/24/25 16:30	Received by: <i>[Signature]</i>	Date/Time: 3/24/25 16:30	Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day	Field ORP	
				2 Days <input checked="" type="checkbox"/>	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: 10.10	Corrected Temperature: 0	IR gun #: 1	HNO3 lot #:	Standard	Field Turb.	

S₂

S2 Work Order# 2503310**Sample Receipt Checklist**Client: Entrada Client Project ID: Nakagawa PMB 13-14Received Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____Matrix (Circle all that apply) Air/Soil/Water/Other Temp (°C) 10.0 Thermometer # 1Bottle ware (Circle all that apply) Glass Jar/Voa/Amber/Poly/Other

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	-			on ice
If custody seals are present, are they intact? ⁽¹⁾	-			
Are samples due within 48 hours?	-			Same day / 2 day
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/ Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD, Total Residual Chlorine (TRC)		-		
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾		-		
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾		-		NO Times
Were all samples received intact? ⁽¹⁾	-			
Was adequate sample volume provided? ⁽¹⁾	-			
Were samples provided in appropriate bottle ware?	-			
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	-			
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	-			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			-	
Are any samples/bottles preserved (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.			-	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.			-	
If dissolved metals are requested, were samples field filtered?			-	
Are there requested analysis that cannot be performed by S2? Note analysis in the comments column		-		
<u>Additional Comments (if any):</u>				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Control Form #: SRC-001

SN
Custodian Printed Name3/24/25
Date/Time



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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX01@8
2503310-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC1476	03/24/25	03/24/25	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: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0394	98.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0390	97.6 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0387	96.8 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC1477	03/24/25	03/24/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.0	96.2 %		50-140		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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EX01@8
2503310-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1533	03/25/25	04/02/25	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: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0172	51.5 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0226	67.9 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
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EX01@8
2503310-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.47	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	29.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.45	0.400	"	"	"	"	"	"	
Lead	3.46	0.200	"	"	"	"	"	"	
Nickel	1.23	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	6.35	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	230	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	42.8	0.0500	"	"	"	"	"	"	
Sodium	5.75	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0913	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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EX01@8
2503310-01 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.7		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.116	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.16		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

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04/09/25 12:02

EX02@4
2503310-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC1476	03/24/25	03/25/25	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: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0406	101 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0403	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	97.5 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC1477	03/24/25	03/24/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.6	100 %		50-140		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

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04/09/25 12:02

EX02@4
2503310-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1533	03/25/25	04/02/25	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: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0168	50.4 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0205	61.5 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

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04/09/25 12:02

EX02@4
2503310-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.41	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	22.5	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.78	0.400	"	"	"	"	"	"	
Lead	3.59	0.200	"	"	"	"	"	"	
Nickel	1.65	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.93	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	684	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	126	0.0500	"	"	"	"	"	"	
Sodium	5.43	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0501	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

EX02@4
2503310-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.6		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.145	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.59		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX03@4
2503310-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC1476	03/24/25	03/25/25	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: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0390	97.5 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0390	97.6 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	96.9 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC1477	03/24/25	03/24/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.4	91.3 %		50-140		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX03@4
2503310-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1533	03/25/25	04/02/25	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: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0233	69.9 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0284	85.2 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX03@4
2503310-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.11	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	13.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	0.987	0.400	"	"	"	"	"	"	
Lead	2.48	0.200	"	"	"	"	"	"	
Nickel	1.14	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	4.66	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	76.5	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	23.9	0.0500	"	"	"	"	"	"	
Sodium	6.78	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.173	0.00100	units	1	BIC1731	03/28/25	03/28/25	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: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

EX03@4
2503310-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.6		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.138	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.85		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX04@4
2503310-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC1476	03/24/25	03/25/25	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: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0408	102 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.6 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0381	95.3 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC1477	03/24/25	03/24/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.2	89.6 %		50-140		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

EX04@4
2503310-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1533	03/25/25	04/02/25	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: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0197	59.1 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0228	68.3 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX04@4
2503310-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.07	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	22.4	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.65	0.400	"	"	"	"	"	"	
Lead	2.66	0.200	"	"	"	"	"	"	
Nickel	1.80	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	6.88	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	136	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	24.5	0.0500	"	"	"	"	"	"	
Sodium	4.54	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0941	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

EX04@4
2503310-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.7		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.126	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.90		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX05@4
2503310-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIC1476	03/24/25	03/25/25	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: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0409	102 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0380	95.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIC1477	03/24/25	03/24/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.0	95.7 %		50-140		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX05@4
2503310-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIC1533	03/25/25	04/02/25	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: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0239	71.8 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0281	84.3 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

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: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

EX05@4
2503310-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.51	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	12.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.40	0.400	"	"	"	"	"	"	
Lead	2.46	0.200	"	"	"	"	"	"	
Nickel	1.63	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	6.63	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	189	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	34.5	0.0500	"	"	"	"	"	"	
Sodium	30.2	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.530	0.00100	units	1	BIC1731	03/28/25	03/28/25	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: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

EX05@4
2503310-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.8		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.407	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.60		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

BKG01@4
2503310-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.53	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	21.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.04	0.400	"	"	"	"	"	"	
Lead	3.12	0.200	"	"	"	"	"	"	
Nickel	1.80	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	8.30	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	203	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	37.9	0.0500	"	"	"	"	"	"	
Sodium	5.14	0.0500	"	"	"	"	"	"	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG01@4
2503310-06 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0869	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.4		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.119	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.90		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG01@8
2503310-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.31	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	31.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.59	0.400	"	"	"	"	"	"	
Lead	4.23	0.200	"	"	"	"	"	"	
Nickel	2.39	0.400	"	"	"	"	"	"	
Silver	0.0207	0.0200	"	"	"	"	"	"	
Zinc	12.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	1140	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	186	0.0500	"	"	"	"	"	"	
Sodium	14.7	0.0500	"	"	"	"	"	"	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG01@8
2503310-07 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.106	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.0		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.211	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.46		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG02@4
2503310-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.50	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	25.7	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.35	0.400	"	"	"	"	"	"	
Lead	4.42	0.200	"	"	"	"	"	"	
Nickel	2.29	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	675	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	130	0.0500	"	"	"	"	"	"	
Sodium	45.9	0.0500	"	"	"	"	"	"	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG02@4
2503310-08 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.424	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.5		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.347	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.50		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

BKG02@8
2503310-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.877	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	22.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	1.42	0.400	"	"	"	"	"	"	
Lead	3.13	0.200	"	"	"	"	"	"	
Nickel	1.40	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	7.19	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	633	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	80.6	0.0500	"	"	"	"	"	"	
Sodium	36.6	0.0500	"	"	"	"	"	"	

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

BKG02@8
2503310-09 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.364	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	98.5		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.395	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.48		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

BKG03@4
2503310-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.79	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	27.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	3.29	0.400	"	"	"	"	"	"	
Lead	5.32	0.200	"	"	"	"	"	"	
Nickel	2.76	0.400	"	"	"	"	"	"	
Silver	0.0297	0.0200	"	"	"	"	"	"	
Zinc	16.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	172	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	54.6	0.0500	"	"	"	"	"	"	
Sodium	6.23	0.0500	"	"	"	"	"	"	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG03@4
2503310-10 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.106	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	96.1		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.144	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.32		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

BKG03@8
2503310-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BIC1485	03/25/25	03/25/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	1.86	0.200	mg/kg dry	1	BIC1506	03/25/25	03/25/25	EPA 6020B	
Barium	26.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.34	0.400	"	"	"	"	"	"	
Lead	4.02	0.200	"	"	"	"	"	"	
Nickel	2.07	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.5	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIC1495	03/25/25	03/25/25	EPA 7196A	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	225	0.0500	mg/L dry	1	BIC1478	03/24/25	03/28/25	EPA 6020B	
Magnesium	62.9	0.0500	"	"	"	"	"	"	
Sodium	19.8	0.0500	"	"	"	"	"	"	

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

BKG03@8
2503310-11 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.301	0.00100	units	1	BIC1731	03/28/25	03/28/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.4		%	1	BIC1490	03/25/25	03/25/25	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.205	0.0100	mmhos/cm	1	BIC1480	03/24/25	03/25/25	EPA 120.1	

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

Date Sampled: **03/24/25 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.52		pH Units	1	BIC1479	03/24/25	03/25/25	EPA 9045D	

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

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 BIC1476 - EPA 5030 Soil MS

Blank (BIC1476-BLK1)

Prepared: 03/24/25 Analyzed: 03/25/25

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>	0.0396		"	0.0400		99.1	50-150			
<i>Surrogate: Toluene-d8</i>	0.0397		"	0.0400		99.2	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0385		"	0.0400		96.2	50-150			

LCS (BIC1476-BS1)

Prepared: 03/24/25 Analyzed: 03/25/25

Benzene	0.0987	0.0020	mg/kg	0.100		98.7	70-130			
Toluene	0.0980	0.0050	"	0.100		98.0	70-130			
Ethylbenzene	0.102	0.0050	"	0.100		102	70-130			
m,p-Xylene	0.207	0.010	"	0.200		103	70-130			
o-Xylene	0.101	0.0050	"	0.100		101	70-130			
1,2,4-Trimethylbenzene	0.0997	0.0050	"	0.100		99.7	70-130			
1,3,5-Trimethylbenzene	0.0980	0.0050	"	0.100		98.0	70-130			
Naphthalene	0.110	0.0038	"	0.100		110	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0391		"	0.0400		97.7	50-150			
<i>Surrogate: Toluene-d8</i>	0.0396		"	0.0400		98.9	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0382		"	0.0400		95.6	50-150			

Matrix Spike (BIC1476-MS1)

Source: 2503309-01

Prepared: 03/24/25 Analyzed: 03/25/25

Benzene	0.0899	0.0020	mg/kg	0.100	ND	89.9	70-130			
Toluene	0.0893	0.0050	"	0.100	ND	89.3	70-130			
Ethylbenzene	0.0939	0.0050	"	0.100	ND	93.9	70-130			
m,p-Xylene	0.188	0.010	"	0.200	ND	93.8	70-130			
o-Xylene	0.0938	0.0050	"	0.100	ND	93.8	70-130			
1,2,4-Trimethylbenzene	0.0894	0.0050	"	0.100	0.00387	85.5	70-130			
1,3,5-Trimethylbenzene	0.0889	0.0050	"	0.100	ND	88.9	70-130			
Naphthalene	0.0970	0.0038	"	0.100	ND	97.0	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0394		"	0.0400		98.5	50-150			
<i>Surrogate: Toluene-d8</i>	0.0396		"	0.0400		98.9	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0402		"	0.0400		100	50-150			

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BIC1476 - EPA 5030 Soil MS

Matrix Spike Dup (BIC1476-MSD1)	Source: 2503309-01			Prepared: 03/24/25 Analyzed: 03/25/25						
Benzene	0.0904	0.0020	mg/kg	0.100	ND	90.4	70-130	0.466	30	
Toluene	0.0895	0.0050	"	0.100	ND	89.5	70-130	0.168	30	
Ethylbenzene	0.0910	0.0050	"	0.100	ND	91.0	70-130	3.08	30	
m,p-Xylene	0.184	0.010	"	0.200	ND	91.9	70-130	2.00	30	
o-Xylene	0.0892	0.0050	"	0.100	ND	89.2	70-130	5.02	30	
1,2,4-Trimethylbenzene	0.0869	0.0050	"	0.100	0.00387	83.0	70-130	2.86	30	
1,3,5-Trimethylbenzene	0.0864	0.0050	"	0.100	ND	86.4	70-130	2.87	30	
Naphthalene	0.0932	0.0038	"	0.100	ND	93.2	70-130	4.00	30	
Surrogate: 1,2-Dichloroethane-d4	0.0399		"	0.0400		99.7	50-150			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	50-150			
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	50-150			

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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 BIC1477 - EPA 3550A

Blank (BIC1477-BLK1)

Prepared: 03/24/25 Analyzed: 03/25/25

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	17.5		"	12.5		140		50-140			

LCS (BIC1477-BS1)

Prepared: 03/24/25 Analyzed: 03/25/25

C10-C28 (DRO)	461	50	mg/kg	500		92.1		50-140			
Surrogate: <i>o</i> -Terphenyl	14.1		"	12.5		112		50-140			

Matrix Spike (BIC1477-MS1)

Source: 2503309-01

Prepared: 03/24/25 Analyzed: 03/25/25

C10-C28 (DRO)	459	50	mg/kg	500	9.64	89.9		50-140			
Surrogate: <i>o</i> -Terphenyl	14.1		"	12.5		112		50-140			

Matrix Spike Dup (BIC1477-MSD1)

Source: 2503309-01

Prepared: 03/24/25 Analyzed: 03/25/25

C10-C28 (DRO)	434	50	mg/kg	500	9.64	84.9		50-140	5.58	20	
Surrogate: <i>o</i> -Terphenyl	13.6		"	12.5		109		50-140			

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BIC1533 - EPA 5030 Soil MS

Blank (BIC1533-BLK1)

Prepared: 03/25/25 Analyzed: 04/01/25

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	0.0188		"	0.0333		56.5	40-140			
Surrogate: Fluoranthene-d10	0.0266		"	0.0333		79.9	40-140			

LCS (BIC1533-BS1)

Prepared: 03/25/25 Analyzed: 04/01/25

Acenaphthene	0.0284	0.00500	mg/kg	0.0333		85.2	40-140			
Anthracene	0.0302	0.00500	"	0.0333		90.7	40-140			
Benzo (a) anthracene	0.0326	0.00500	"	0.0333		97.9	40-140			
Benzo (a) pyrene	0.0316	0.00500	"	0.0333		94.8	40-140			
Benzo (b) fluoranthene	0.0314	0.00500	"	0.0333		94.3	40-140			
Benzo (k) fluoranthene	0.0298	0.00500	"	0.0333		89.4	40-140			
Chrysene	0.0305	0.00500	"	0.0333		91.4	40-140			
Dibenz (a,h) anthracene	0.0347	0.00500	"	0.0333		104	40-140			
Fluoranthene	0.0314	0.00500	"	0.0333		94.1	40-140			
Fluorene	0.0344	0.00500	"	0.0333		103	40-140			
Indeno (1,2,3-cd) pyrene	0.0328	0.00500	"	0.0333		98.5	40-140			
Pyrene	0.0331	0.00500	"	0.0333		99.4	40-140			
1-Methylnaphthalene	0.0242	0.00500	"	0.0333		72.6	40-140			
2-Methylnaphthalene	0.0241	0.00500	"	0.0333		72.3	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0246		"	0.0333		73.7	40-140			
Surrogate: Fluoranthene-d10	0.0310		"	0.0333		93.1	40-140			

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

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 BIC1533 - EPA 5030 Soil MS

Matrix Spike (BIC1533-MS1)	Source: 2503246-01			Prepared: 03/25/25 Analyzed: 04/01/25						
Acenaphthene	0.0189	0.00500	mg/kg	0.0333	ND	56.6	40-140			
Anthracene	0.0194	0.00500	"	0.0333	ND	58.1	40-140			
Benzo (a) anthracene	0.0206	0.00500	"	0.0333	ND	61.8	40-140			
Benzo (a) pyrene	0.0200	0.00500	"	0.0333	ND	59.9	40-140			
Benzo (b) fluoranthene	0.0203	0.00500	"	0.0333	ND	61.0	40-140			
Benzo (k) fluoranthene	0.0196	0.00500	"	0.0333	ND	58.8	40-140			
Chrysene	0.0195	0.00500	"	0.0333	ND	58.6	40-140			
Dibenz (a,h) anthracene	0.0194	0.00500	"	0.0333	ND	58.3	40-140			
Fluoranthene	0.0198	0.00500	"	0.0333	ND	59.5	40-140			
Fluorene	0.0199	0.00500	"	0.0333	ND	59.8	40-140			
Indeno (1,2,3-cd) pyrene	0.0187	0.00500	"	0.0333	ND	56.1	40-140			
Pyrene	0.0203	0.00500	"	0.0333	ND	60.8	40-140			
1-Methylnaphthalene	0.0182	0.00500	"	0.0333	ND	54.7	40-140			
2-Methylnaphthalene	0.0181	0.00500	"	0.0333	ND	54.3	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0180</i>		<i>"</i>	<i>0.0333</i>		<i>54.1</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0198</i>		<i>"</i>	<i>0.0333</i>		<i>59.5</i>	<i>40-140</i>			

Matrix Spike Dup (BIC1533-MSD1)	Source: 2503246-01			Prepared: 03/25/25 Analyzed: 04/02/25						
Acenaphthene	0.0168	0.00500	mg/kg	0.0333	ND	50.3	40-140	11.7	30	
Anthracene	0.0170	0.00500	"	0.0333	ND	50.9	40-140	13.3	30	
Benzo (a) anthracene	0.0183	0.00500	"	0.0333	ND	54.9	40-140	11.8	30	
Benzo (a) pyrene	0.0172	0.00500	"	0.0333	ND	51.6	40-140	14.8	30	
Benzo (b) fluoranthene	0.0172	0.00500	"	0.0333	ND	51.7	40-140	16.6	30	
Benzo (k) fluoranthene	0.0173	0.00500	"	0.0333	ND	51.8	40-140	12.7	30	
Chrysene	0.0177	0.00500	"	0.0333	ND	53.2	40-140	9.65	30	
Dibenz (a,h) anthracene	0.0170	0.00500	"	0.0333	ND	51.0	40-140	13.4	30	
Fluoranthene	0.0179	0.00500	"	0.0333	ND	53.6	40-140	10.4	30	
Fluorene	0.0171	0.00500	"	0.0333	ND	51.4	40-140	15.0	30	
Indeno (1,2,3-cd) pyrene	0.0163	0.00500	"	0.0333	ND	49.0	40-140	13.5	30	
Pyrene	0.0191	0.00500	"	0.0333	ND	57.2	40-140	6.08	30	
1-Methylnaphthalene	0.0165	0.00500	"	0.0333	ND	49.5	40-140	9.96	30	
2-Methylnaphthalene	0.0164	0.00500	"	0.0333	ND	49.3	40-140	9.69	30	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0167</i>		<i>"</i>	<i>0.0333</i>		<i>50.2</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0183</i>		<i>"</i>	<i>0.0333</i>		<i>55.0</i>	<i>40-140</i>			

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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

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

Batch BIC1485 - EPA 3050B

Blank (BIC1485-BLK1)

Prepared & Analyzed: 03/25/25

Boron ND 2.00 mg/L

LCS (BIC1485-BS1)

Prepared & Analyzed: 03/25/25

Boron 4.71 2.00 mg/L 5.00 94.3 80-120

Duplicate (BIC1485-DUP1)

Source: 2503309-01

Prepared & Analyzed: 03/25/25

Boron 0.0472 2.00 mg/L 0.191 121 20 QR-01

Matrix Spike (BIC1485-MS1)

Source: 2503309-01

Prepared & Analyzed: 03/25/25

Boron 4.98 2.00 mg/L 4.98 0.191 96.2 75-125

Matrix Spike Dup (BIC1485-MSD1)

Source: 2503309-01

Prepared & Analyzed: 03/25/25

Boron 4.99 2.00 mg/L 4.98 0.191 96.4 75-125 0.150 25

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BIC1506 - EPA 3050B

Blank (BIC1506-BLK1)

Prepared & Analyzed: 03/25/25

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 (BIC1506-BS1)

Prepared & Analyzed: 03/25/25

Arsenic	36.6	0.200	mg/kg wet	41.7	87.7	80-120
Barium	35.7	0.400	"	41.7	85.7	80-120
Cadmium	1.89	0.200	"	2.08	90.5	80-120
Copper	37.0	0.400	"	41.7	88.7	80-120
Lead	19.0	0.200	"	20.8	91.2	80-120
Nickel	37.7	0.400	"	41.7	90.5	80-120
Silver	1.95	0.0200	"	2.08	93.5	80-120
Zinc	37.4	0.400	"	41.7	89.8	80-120
Selenium	4.31	0.260	"	4.17	103	80-120

Duplicate (BIC1506-DUP1)

Source: 2502459-01

Prepared: 03/25/25 Analyzed: 03/27/25

Arsenic	5.19	0.200	mg/kg dry	5.50	5.84	20	
Barium	378	0.400	"	600	45.3	20	QR-04
Cadmium	0.552	0.200	"	0.604	8.99	20	
Copper	20.6	0.400	"	27.9	29.8	20	QR-04
Lead	564	0.200	"	3200	140	20	QR-04
Nickel	10.8	0.400	"	11.6	7.62	20	
Silver	0.0816	0.0200	"	0.199	83.6	20	QR-04
Zinc	64.3	0.400	"	86.0	28.8	20	QR-04
Selenium	0.185	0.260	"	0.305	48.8	20	QR-01

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BIC1506 - EPA 3050B

Matrix Spike (BIC1506-MS1)	Source: 2502459-01			Prepared: 03/25/25 Analyzed: 03/27/25							
Arsenic	46.1	0.200	mg/kg dry	51.1	5.50	79.5	75-125				
Barium	501	0.400	"	51.1	600	NR	75-125				QM-05
Cadmium	2.85	0.200	"	2.56	0.604	88.0	75-125				
Copper	51.6	0.400	"	51.1	27.9	46.5	75-125				QM-05
Lead	1880	0.200	"	25.6	3200	NR	75-125				QM-05
Nickel	35.1	0.400	"	51.1	11.6	46.0	75-125				QM-05
Silver	2.28	0.0200	"	2.56	0.199	81.4	75-125				
Zinc	90.1	0.400	"	51.1	86.0	7.98	75-125				QM-05
Selenium	3.52	0.260	"	5.11	0.305	62.9	75-125				QM-05

Matrix Spike Dup (BIC1506-MSD1)	Source: 2502459-01			Prepared: 03/25/25 Analyzed: 03/27/25							
Arsenic	48.7	0.200	mg/kg dry	51.5	5.50	83.9	75-125	5.41	25		
Barium	484	0.400	"	51.5	600	NR	75-125	3.36	25		QM-05
Cadmium	2.90	0.200	"	2.58	0.604	89.2	75-125	1.70	25		
Copper	48.6	0.400	"	51.5	27.9	40.2	75-125	6.05	25		QM-05
Lead	1730	0.200	"	25.8	3200	NR	75-125	8.26	25		QM-05
Nickel	35.2	0.400	"	51.5	11.6	45.8	75-125	0.241	25		QM-05
Silver	2.37	0.0200	"	2.58	0.199	84.4	75-125	4.08	25		
Zinc	84.5	0.400	"	51.5	86.0	NR	75-125	6.33	25		QM-05
Selenium	3.92	0.260	"	5.15	0.305	70.2	75-125	10.8	25		QM-05

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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 BIC1495 - 3060A Mod

Blank (BIC1495-BLK1)		Prepared & Analyzed: 03/25/25									
Chromium, Hexavalent	ND	0.30	mg/kg wet								
LCS (BIC1495-BS1)		Prepared & Analyzed: 03/25/25									
Chromium, Hexavalent	26.9	0.30	mg/kg wet	26.0	103	80-120					
Duplicate (BIC1495-DUP1)		Source: 2503279-01		Prepared & Analyzed: 03/25/25							
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND					20	
Matrix Spike (BIC1495-MS1)		Source: 2503279-01		Prepared & Analyzed: 03/25/25							
Chromium, Hexavalent	27.5	0.30	mg/kg dry	27.0	ND	102	75-125				
Matrix Spike Dup (BIC1495-MSD1)		Source: 2503279-01		Prepared & Analyzed: 03/25/25							
Chromium, Hexavalent	27.7	0.30	mg/kg dry	27.0	ND	103	75-125	0.783		20	

Summit Scientific

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Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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 BIC1478 - General Preparation

Blank (BIC1478-BLK1)

Prepared: 03/24/25 Analyzed: 03/27/25

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

LCS (BIC1478-BS1)

Prepared: 03/24/25 Analyzed: 03/27/25

Calcium	5.25	0.0500	mg/L wet	5.00		105	70-130			
Magnesium	4.96	0.0500	"	5.00		99.2	70-130			
Sodium	4.93	0.0500	"	5.00		98.7	70-130			

Summit Scientific

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 Grand Junction, CO, 81501

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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 BIC1490 - General Preparation

Duplicate (BIC1490-DUP1)

Source: 2503309-01

Prepared & Analyzed: 03/25/25

% Solids	80.5		%		80.5			0.0176		20	
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Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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 BIC1480 - General Preparation

Blank (BIC1480-BLK1)

Prepared: 03/24/25 Analyzed: 03/25/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BIC1480-BS1)

Prepared: 03/24/25 Analyzed: 03/25/25

Specific Conductance (EC) 0.149 0.0100 mmhos/cm 0.150 99.5 95-105

Duplicate (BIC1480-DUP1)

Source: 2502522-01

Prepared: 03/24/25 Analyzed: 03/25/25

Specific Conductance (EC) 0.0950 0.0100 mmhos/cm 0.0962 1.22 20

Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
 Project Manager: Chelsea Veryser

Reported:
 04/09/25 12:02

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 BIC1479 - General Preparation

LCS (BIC1479-BS1)

Prepared: 03/24/25 Analyzed: 03/25/25

pH	9.10	pH Units	9.18	99.1	95-105
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Duplicate (BIC1479-DUP1)

Source: 2502522-01

Prepared: 03/24/25 Analyzed: 03/25/25

pH	8.07	pH Units	8.57	6.01	20
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Summit Scientific

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

Project: PDC - Nakagawa PMB 13-16

Project Number: [none]
Project Manager: Chelsea Veryser

Reported:
04/09/25 12:02

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values. Only applies to source/DUP and MS/MSD pairs.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- 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