Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

May 31, 2023

Ben Baugh

Entrada Consulting Group

240 Mesa Avenue

Grand Junction., CO 81501

RE: PDC - Champlin 117

Work Order # 2305547

Enclosed are the results of analyses for samples received by Summit Scientific on 05/24/23 17:12. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacob Wood For Paul Shrewsbury

President

Entrada Consulting Group	Project:	PDC - Champlin 117	
240 Mesa Avenue	Project Number:	[none]	**Reported:**
Grand Junction. CO, 81501	Project Manager:	Ben Baugh	05/31/23 15:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP01-FL@4	2305547-01	Soil	05/24/23 09:50	05/24/23 17:12

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.

SUMMIT SCIENTIFIC

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

Lab ID	Page
2305547	1 of 1

Send Data To:

Client: Entrada Consulting Group
Address:
City/State/Zip:
Phone: 586 945 6355
Sampler Name: Chelsea Veryser

Project Manager: Ben Baugh
E-Mail: Entrada + PDC EHS dist. list
Project Name: Champlin 117
Project Number:

Send Invoice To:

Company: PDC EHS
Project Name/Location:
AFE#:
PO/Billing Codes:
Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN	TMBs	TPH					Special Instructions
1	SEP01-FL@4	5/24/23	0950	2			X			X			X	X	X					
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by: [signature] **Date/Time:** 5/24/23 1711
Received by: Scott Sheehy **Date/Time:** 5/24/23 1712

Relinquished by: **Date/Time:**
Received by: **Date/Time:**

Relinquished by: **Date/Time:**
Received by: **Date/Time:**

TAT Business Days		Field DO	
Same Day		Field EC	
1 Day		Field ORP	
2 Days		Field pH	
3 Days		Field Temp.	
Standard	X	Field Turb.	

Notes:

Temperature Upon Receipt: 20.1
Corrected Temperature
IR gun #: 02
HNO3 lot #:

S_2

Sample Receipt Checklist

S2 Work Order# 2305547

Client: Entrada Consulting Client Project ID: Champlin 117

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

Matrix (Check all that apply) Air [☐] Soil/Solid [☑] Water [☐] Other [☐]

Temp (°C) [20.1] Thermometer # [02]

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? [1] **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	✓			
If custody seals are present, are they intact? [1]			✓	
Are samples due within 48 hours present?		✓		
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			✓	
Is a chain-of-custody (COC) form present and filled out Completely? [1]	✓			
Is the COC properly relinquished by the client w/ date and time recorded? [1]	✓			
Were all samples received intact? [1]	✓			
Was adequate sample volume provided? [1]	✓			
Does the COC agree with the number and type of sample bottles received? [1]	✓			
Do the sample IDs on the bottle labels match the COC? [1]	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			✓	
Are samples preserved that require preservation **(excluding cooling)?** [1] Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			✓	
If samples are acid preserved for metals, is the pH ≤ 2? [1] Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

[1] If NO, then contact the client before proceeding with analysis and note in case narrative.

_____ _____
Custodian Printed Name   **Date/Time** 5/24/23 1714

SEP01-FL@4
2305547-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/24/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BGE0919	05/25/23	05/26/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **05/24/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %		50-150		"	"	"	"	
Surrogate: Toluene-d8		112 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/24/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BGE0921	05/25/23	05/26/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/24/23 09:50**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		125 %		30-150		"	"	"	"	

Summit Scientific

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Entrada Consulting Group	Project:	PDC - Champlin 117	
240 Mesa Avenue	Project Number:	[none]	**Reported:**
Grand Junction. CO, 81501	Project Manager:	Ben Baugh	05/31/23 15:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGE0919 - EPA 5030 Soil MS

Blank (BGE0919-BLK1)   Prepared: 05/25/23 Analyzed: 05/26/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	*0.0412*		"	*0.0400*		*103*	*50-150*			
Surrogate: Toluene-d8	*0.0448*		"	*0.0400*		*112*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0382*		"	*0.0400*		*95.4*	*50-150*			

LCS (BGE0919-BS1)   Prepared: 05/25/23 Analyzed: 05/26/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.0826	0.0020	mg/kg	0.100		82.6	70-130			
Toluene	0.115	0.0050	"	0.100		115	70-130			
Ethylbenzene	0.112	0.0050	"	0.100		112	70-130			
m,p-Xylene	0.227	0.010	"	0.200		114	70-130			
o-Xylene	0.109	0.0050	"	0.100		109	70-130			
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.100		114	70-130			
1,3,5-Trimethylbenzene	0.118	0.0050	"	0.100		118	70-130			
Naphthalene	0.102	0.0038	"	0.100		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0388*		"	*0.0400*		*97.1*	*50-150*			
Surrogate: Toluene-d8	*0.0453*		"	*0.0400*		*113*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0381*		"	*0.0400*		*95.2*	*50-150*			

Matrix Spike (BGE0919-MS1)   Source: 2305533-01   Prepared: 05/25/23 Analyzed: 05/26/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.0849	0.0020	mg/kg	0.100	ND	84.9	70-130			
Toluene	0.117	0.0050	"	0.100	ND	117	70-130			
Ethylbenzene	0.116	0.0050	"	0.100	ND	116	70-130			
m,p-Xylene	0.232	0.010	"	0.200	ND	116	70-130			
o-Xylene	0.109	0.0050	"	0.100	ND	109	70-130			
1,2,4-Trimethylbenzene	0.117	0.0050	"	0.100	ND	117	70-130			
1,3,5-Trimethylbenzene	0.121	0.0050	"	0.100	ND	121	70-130			
Naphthalene	0.111	0.0038	"	0.100	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0402*		"	*0.0400*		*101*	*50-150*			
Surrogate: Toluene-d8	*0.0453*		"	*0.0400*		*113*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0379*		"	*0.0400*		*94.6*	*50-150*			

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Entrada Consulting Group	Project:	PDC - Champlin 117	
240 Mesa Avenue	Project Number:	[none]	**Reported:**
Grand Junction. CO, 81501	Project Manager:	Ben Baugh	05/31/23 15:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGE0919 - EPA 5030 Soil MS

Matrix Spike Dup (BGE0919-MSD1) Source: 2305533-01 Prepared: 05/25/23 Analyzed: 05/26/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.0802	0.0020	mg/kg	0.100	ND	80.2	70-130	5.63	30	
Toluene	0.110	0.0050	"	0.100	ND	110	70-130	6.26	30	
Ethylbenzene	0.109	0.0050	"	0.100	ND	109	70-130	5.75	30	
m,p-Xylene	0.220	0.010	"	0.200	ND	110	70-130	5.36	30	
o-Xylene	0.106	0.0050	"	0.100	ND	106	70-130	2.20	30	
1,2,4-Trimethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130	3.82	30	
1,3,5-Trimethylbenzene	0.115	0.0050	"	0.100	ND	115	70-130	4.89	30	
Naphthalene	0.105	0.0038	"	0.100	ND	105	70-130	5.32	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0399*		*"*	*0.0400*		*99.8*	*50-150*			
Surrogate: Toluene-d8	*0.0452*		*"*	*0.0400*		*113*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0379*		*"*	*0.0400*		*94.8*	*50-150*			

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Entrada Consulting Group	Project: PDC - Champlin 117	
240 Mesa Avenue	Project Number: [none]	**Reported:**
Grand Junction. CO, 81501	Project Manager: Ben Baugh	05/31/23 15:00

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0921 - EPA 3550A										
Blank (BGE0921-BLK1)				Prepared: 05/25/23 Analyzed: 05/26/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*15.1*		*"*	*12.5*		*121*	*30-150*			
LCS (BGE0921-BS1)				Prepared: 05/25/23 Analyzed: 05/26/23						
C10-C28 (DRO)	530	50	mg/kg	500		106	70-130			
Surrogate: o-Terphenyl	*15.0*		*"*	*12.5*		*120*	*30-150*			
Matrix Spike (BGE0921-MS1)		**Source: 2305533-01**		Prepared: 05/25/23 Analyzed: 05/26/23						
C10-C28 (DRO)	511	50	mg/kg	500	34.2	95.4	70-130			
Surrogate: o-Terphenyl	*14.7*		*"*	*12.5*		*117*	*30-150*			
Matrix Spike Dup (BGE0921-MSD1)		**Source: 2305533-01**		Prepared: 05/25/23 Analyzed: 05/26/23						
C10-C28 (DRO)	536	50	mg/kg	500	34.2	100	70-130	4.64	20	
Surrogate: o-Terphenyl	*14.6*		*"*	*12.5*		*117*	*30-150*			

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Entrada Consulting Group	**Project:** PDC - Champlin 117	
240 Mesa Avenue	Project Number: [none]	**Reported:**
Grand Junction. CO, 81501	Project Manager: Ben Baugh	05/31/23 15:00

Notes and Definitions

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