

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

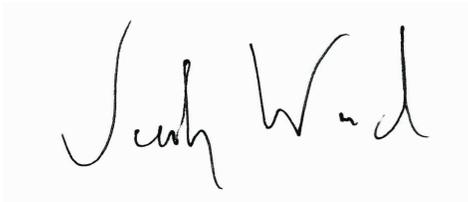
August 11, 2023

Todd Troutman
D.C.Dozer Service
1403 Fillmore Street
Sterling, CO 80751

RE: Colorado State Pit Remediation
Work Order #2307534

Enclosed are the results of analyses for samples received by Summit Scientific on 07/27/23 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury
President



D.C.Dozer Service
1403 Fillmore Street
Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Potential Spill-N W Pit	2307534-01	Soil	07/20/23 12:15	07/27/23 16:55
West Pit Spill-N W	2307534-02	Soil	07/20/23 11:09	07/27/23 16:55

Case Narrative

Todd Troutman requested full Table 915 be run for all samples on 8/7/2023.
This report includes those results.

Summit Scientific

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

Lab ID	Page	of
2307534		

Client: <u>D.C. Dozer Service</u>	Send Data To: Project Manager: <u>Todd Troutman</u>	Send Invoice To: Company: <u>D.C. Dozer Service</u>
Address: <u>1403 Fillmore Street</u>	E-Mail: <u>Troutman0231@msn.com</u>	Project Name/Location: <u>Colorado State Pit</u>
City/State/Zip: <u>Sterling / CO / 80751</u>		AFE#:
Phone: <u>(970) 580-2062</u>	Project Name: <u>Colorado State Pit Remediation</u>	PO/Billing Codes: <u>88</u>
Sampler Name: <u>Todd Troutman</u>	Project Number:	Contact: <u>Todd Troutman</u>

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other				
1	Potential Spill - NW Pit	7/20/23	12:15pm	1							X				X	X Soil Suitability
2																
3	West Pit Spill - NW	7/20/23	11:09AM	1						X					X	
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

Relinquished by: <u>[Signature]</u>	Date/Time: <u>7/27/23 4:55pm</u>	Received by: <u>Jah Wald</u>	Date/Time: <u>7/27/23 4:55</u>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: <u>2.0</u>	Corrected Temperature	IR gun #: <u>2</u>	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2307534

Client: DC. Water Service Client Project ID: Colorado State Pit Remediation

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

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) 5.0^u Thermometer # 02

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
If custody seals are present, are they intact? ⁽¹⁾	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

Vah Ward
Custodian Printed Name

7/27/23 4:55
Date/Time



D.C.Dozer Service
1403 Fillmore Street
Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

Potential Spill-N W Pit
2307534-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGG0980	07/28/23	07/28/23	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: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0406	102 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0423	106 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0460	115 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGG0981	07/28/23	07/29/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	10.8	86.3 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project Number: [none]
Project Manager: Todd Troutman

Reported:
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**Potential Spill-N W Pit
2307534-01 (Soil)**

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0277	08/08/23	08/08/23	EPA 8270D SIM	I-04
Anthracene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	I-04
Chrysene	ND	0.00500	"	"	"	"	"	"	I-04
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	I-04
Fluoranthene	ND	0.00500	"	"	"	"	"	"	I-04
Fluorene	ND	0.00500	"	"	"	"	"	"	I-04
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	I-04
Pyrene	ND	0.00500	"	"	"	"	"	"	I-04
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	I-04
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	I-04

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0235	70.5 %	40-150		"	"	"	"	I-04
Surrogate: Fluoranthene-d10	0.0143	42.8 %	40-150		"	"	"	"	I-04

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0248	0.0100	mg/L	1	BGG1027	07/31/23	08/04/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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D.C.Dozer Service
1403 Fillmore Street
Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

**Potential Spill-N W Pit
2307534-01 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.01	0.200	mg/kg dry	1	BGH0306	08/08/23	08/09/23	EPA 6020B
Barium	146	0.400	"	"	"	"	"	"
Cadmium	0.219	0.200	"	"	"	"	"	"
Copper	2.00	0.400	"	"	"	"	"	"
Lead	8.00	0.200	"	"	"	"	"	"
Nickel	2.16	0.400	"	"	"	"	"	"
Selenium	ND	0.292	"	"	"	"	"	"
Silver	0.0493	0.0200	"	"	"	"	"	"
Zinc	5.96	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: 07/20/23 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0315	08/08/23	08/08/23	EPA 7196A	

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

Date Sampled: 07/20/23 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	17.2	0.0561	mg/L dry	1	BGG1011	07/31/23	08/04/23	EPA 6020B	
Magnesium	6.19	0.0561	"	"	"	"	"	"	
Sodium	2.80	0.0561	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 07/20/23 12:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.147	0.00100	units	1	BGH0185	08/04/23	08/04/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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D.C.Dozer Service
 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

**Potential Spill-N W Pit
 2307534-01 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	89.2			%	1	BGG1018	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.300	0.0100		mmhos/cm	1	BGH0094	08/02/23	08/02/23	EPA 120.1	

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

Date Sampled: **07/20/23 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.49			pH Units	1	BGH0095	08/02/23	08/02/23	EPA 9045D	

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Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

West Pit Spill-N W
2307534-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGG0980	07/28/23	07/28/23	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: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0391	97.8 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0419	105 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0447	112 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGG0981	07/28/23	07/29/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.2	89.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project Number: [none]
Project Manager: Todd Troutman

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West Pit Spill-N W
2307534-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGH0277	08/08/23	08/08/23	EPA 8270D SIM	I-04
Anthracene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	I-04
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	I-04
Chrysene	ND	0.00500	"	"	"	"	"	"	I-04
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	I-04
Fluoranthene	ND	0.00500	"	"	"	"	"	"	I-04
Fluorene	ND	0.00500	"	"	"	"	"	"	I-04
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	I-04
Pyrene	ND	0.00500	"	"	"	"	"	"	I-04
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	I-04
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	I-04

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0190	57.0 %	40-150		"	"	"	"	I-04
Surrogate: Fluoranthene-d10	0.0116	34.7 %	40-150		"	"	"	"	I-04

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0161	0.0100	mg/L	1	BGG1027	07/31/23	08/04/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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1403 Fillmore Street
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Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

**West Pit Spill-N W
2307534-02 (Soil)**

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.19	0.200	mg/kg dry	1	BGH0306	08/08/23	08/09/23	EPA 6020B
Barium	203	0.400	"	"	"	"	"	"
Cadmium	0.274	0.200	"	"	"	"	"	"
Copper	2.12	0.400	"	"	"	"	"	"
Lead	9.28	0.200	"	"	"	"	"	"
Nickel	2.28	0.400	"	"	"	"	"	"
Selenium	0.204	0.292	"	"	"	"	"	"
Silver	0.0585	0.0200	"	"	"	"	"	"
Zinc	6.33	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: 07/20/23 11:09

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGH0315	08/08/23	08/08/23	EPA 7196A	

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

Date Sampled: 07/20/23 11:09

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	6.89	0.0562	mg/L dry	1	BGG1011	07/31/23	08/04/23	EPA 6020B	
Magnesium	5.02	0.0562	"	"	"	"	"	"	
Sodium	73.1	0.0562	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 07/20/23 11:09

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.17	0.00100	units	1	BGH0185	08/04/23	08/04/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

**West Pit Spill-N W
 2307534-02 (Soil)**

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.9		%	1	BGG1018	07/31/23	07/31/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.602	0.0100	mmhos/cm	1	BGH0094	08/02/23	08/02/23	EPA 120.1	

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

Date Sampled: **07/20/23 11:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.05		pH Units	1	BGH0095	08/02/23	08/02/23	EPA 9045D	

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Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGG0980 - EPA 5030 Soil MS

Blank (BGG0980-BLK1)

Prepared & Analyzed: 07/28/23

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Naphthalene	ND	0.0038	"								
Gasoline Range Hydrocarbons	ND	0.50	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0361</i>		<i>"</i>	<i>0.0400</i>		<i>90.3</i>		<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0429</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>		<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0448</i>		<i>"</i>	<i>0.0400</i>		<i>112</i>		<i>50-150</i>			

LCS (BGG0980-BS1)

Prepared & Analyzed: 07/28/23

Benzene	0.0782	0.0020	mg/kg	0.0750		104		70-130			
Toluene	0.0803	0.0050	"	0.0750		107		70-130			
Ethylbenzene	0.0683	0.0050	"	0.0750		91.1		70-130			
1,2,4-Trimethylbenzene	0.0628	0.0050	"	0.0750		83.8		70-130			
1,3,5-Trimethylbenzene	0.0644	0.0050	"	0.0750		85.8		70-130			
Naphthalene	0.0938	0.0038	"	0.0750		125		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0325</i>		<i>"</i>	<i>0.0400</i>		<i>81.2</i>		<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0432</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>		<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0441</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>		<i>50-150</i>			

Matrix Spike (BGG0980-MS1)

Source: 2307532-01

Prepared & Analyzed: 07/28/23

Benzene	0.0825	0.0020	mg/kg	0.0750	ND	110		70-130			
Toluene	0.0853	0.0050	"	0.0750	ND	114		70-130			
Ethylbenzene	0.0732	0.0050	"	0.0750	ND	97.6		70-130			
1,2,4-Trimethylbenzene	0.0694	0.0050	"	0.0750	ND	92.6		70-130			
1,3,5-Trimethylbenzene	0.0705	0.0050	"	0.0750	ND	94.0		70-130			
Naphthalene	0.0969	0.0038	"	0.0750	ND	129		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0347</i>		<i>"</i>	<i>0.0400</i>		<i>86.8</i>		<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0429</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>		<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0431</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>		<i>50-150</i>			

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 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGG0980 - EPA 5030 Soil MS

Matrix Spike Dup (BGG0980-MSD1)	Source: 2307532-01			Prepared & Analyzed: 07/28/23						
Benzene	0.0862	0.0020	mg/kg	0.0750	ND	115	70-130	4.30	30	
Toluene	0.0900	0.0050	"	0.0750	ND	120	70-130	5.31	30	
Ethylbenzene	0.0769	0.0050	"	0.0750	ND	103	70-130	4.92	30	
1,2,4-Trimethylbenzene	0.0742	0.0050	"	0.0750	ND	99.0	70-130	6.64	30	
1,3,5-Trimethylbenzene	0.0752	0.0050	"	0.0750	ND	100	70-130	6.38	30	
Naphthalene	0.0934	0.0038	"	0.0750	ND	125	70-130	3.66	30	
Surrogate: 1,2-Dichloroethane-d4	0.0376		"	0.0400		94.0	50-150			
Surrogate: Toluene-d8	0.0435		"	0.0400		109	50-150			
Surrogate: 4-Bromofluorobenzene	0.0426		"	0.0400		106	50-150			

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Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

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 BGG0981 - EPA 3550A

Blank (BGG0981-BLK1)

Prepared & Analyzed: 07/28/23

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: o-Terphenyl	11.5		"	12.5		91.6		30-150			

LCS (BGG0981-BS1)

Prepared & Analyzed: 07/28/23

C10-C28 (DRO)	442	50	mg/kg	500		88.3		70-130			
Surrogate: o-Terphenyl	11.6		"	12.5		92.5		30-150			

Matrix Spike (BGG0981-MS1)

Source: 2307532-01

Prepared & Analyzed: 07/28/23

C10-C28 (DRO)	438	50	mg/kg	500	6.25	86.4		70-130			
Surrogate: o-Terphenyl	11.6		"	12.5		92.8		30-150			

Matrix Spike Dup (BGG0981-MSD1)

Source: 2307532-01

Prepared & Analyzed: 07/28/23

C10-C28 (DRO)	478	50	mg/kg	500	6.25	94.4		70-130	8.73	20	
Surrogate: o-Terphenyl	11.2		"	12.5		89.5		30-150			

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Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

PAH by EPA Method 8270D SIM - Quality Control

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

Batch BGH0277 - EPA 5030 Soil MS

Blank (BGH0277-BLK1)

Prepared & Analyzed: 08/08/23

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0353</i>		<i>"</i>	<i>0.0333</i>		<i>106</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0253</i>		<i>"</i>	<i>0.0333</i>		<i>76.0</i>		<i>40-150</i>		

LCS (BGH0277-BS1)

Prepared & Analyzed: 08/08/23

Acenaphthene	0.0256	0.00500	mg/kg	0.0333		76.8		31-137		
Anthracene	0.0254	0.00500	"	0.0333		76.3		30-120		
Benzo (a) anthracene	0.0179	0.00500	"	0.0333		53.6		30-120		
Benzo (a) pyrene	0.0228	0.00500	"	0.0333		68.5		30-120		
Benzo (b) fluoranthene	0.0250	0.00500	"	0.0333		75.1		30-120		
Benzo (k) fluoranthene	0.0244	0.00500	"	0.0333		73.1		30-120		
Chrysene	0.0260	0.00500	"	0.0333		78.0		30-120		
Dibenz (a,h) anthracene	0.0210	0.00500	"	0.0333		63.0		30-120		
Fluoranthene	0.0267	0.00500	"	0.0333		80.2		30-120		
Fluorene	0.0261	0.00500	"	0.0333		78.2		30-120		
Indeno (1,2,3-cd) pyrene	0.0161	0.00500	"	0.0333		48.3		30-120		
Pyrene	0.0263	0.00500	"	0.0333		78.9		35-142		
1-Methylnaphthalene	0.0235	0.00500	"	0.0333		70.5		35-142		
2-Methylnaphthalene	0.0292	0.00500	"	0.0333		87.6		35-142		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0322</i>		<i>"</i>	<i>0.0333</i>		<i>96.7</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0277</i>		<i>"</i>	<i>0.0333</i>		<i>83.2</i>		<i>40-150</i>		

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1403 Fillmore Street
Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

PAH by EPA Method 8270D SIM - Quality Control

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

Batch BGH0277 - EPA 5030 Soil MS

Matrix Spike (BGH0277-MS1)

Source: 2307534-01

Prepared & Analyzed: 08/08/23

Acenaphthene	0.0168	0.00500	mg/kg	0.0333	ND	50.5	31-137			
Anthracene	0.0168	0.00500	"	0.0333	ND	50.3	30-120			
Benzo (a) anthracene	0.0122	0.00500	"	0.0333	ND	36.5	30-120			
Benzo (a) pyrene	0.0141	0.00500	"	0.0333	ND	42.2	30-120			
Benzo (b) fluoranthene	0.0155	0.00500	"	0.0333	ND	46.5	30-120			
Benzo (k) fluoranthene	0.0150	0.00500	"	0.0333	ND	45.0	30-120			
Chrysene	0.0170	0.00500	"	0.0333	ND	51.0	30-120			
Dibenz (a,h) anthracene	0.0146	0.00500	"	0.0333	ND	43.8	30-120			
Fluoranthene	0.0171	0.00500	"	0.0333	ND	51.3	30-120			
Fluorene	0.0164	0.00500	"	0.0333	ND	49.3	30-120			
Indeno (1,2,3-cd) pyrene	0.0102	0.00500	"	0.0333	ND	30.6	30-120			
Pyrene	0.0167	0.00500	"	0.0333	ND	50.1	35-142			
1-Methylnaphthalene	0.0153	0.00500	"	0.0333	ND	46.0	15-130			
2-Methylnaphthalene	0.0152	0.00500	"	0.0333	ND	45.6	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0207		"	0.0333		62.0	40-150			
Surrogate: Fluoranthene-d10	0.0176		"	0.0333		52.7	40-150			

Matrix Spike Dup (BGH0277-MSD1)

Source: 2307534-01

Prepared & Analyzed: 08/08/23

Acenaphthene	0.0130	0.00500	mg/kg	0.0333	ND	38.9	31-137	26.0	30
Anthracene	0.0129	0.00500	"	0.0333	ND	38.7	30-120	26.1	30
Benzo (a) anthracene	0.0110	0.00500	"	0.0333	ND	33.1	30-120	9.90	30
Benzo (a) pyrene	0.0115	0.00500	"	0.0333	ND	34.6	30-120	19.8	30
Benzo (b) fluoranthene	0.0131	0.00500	"	0.0333	ND	39.4	30-120	16.5	30
Benzo (k) fluoranthene	0.0125	0.00500	"	0.0333	ND	37.5	30-120	18.0	30
Chrysene	0.0143	0.00500	"	0.0333	ND	42.8	30-120	17.4	30
Dibenz (a,h) anthracene	0.0116	0.00500	"	0.0333	ND	34.7	30-120	23.2	30
Fluoranthene	0.0127	0.00500	"	0.0333	ND	38.1	30-120	29.5	30
Fluorene	0.0125	0.00500	"	0.0333	ND	37.5	30-120	27.2	30
Indeno (1,2,3-cd) pyrene	0.0136	0.00500	"	0.0333	ND	40.7	30-120	28.2	30
Pyrene	0.0150	0.00500	"	0.0333	ND	45.0	35-142	10.6	30
1-Methylnaphthalene	0.0149	0.00500	"	0.0333	ND	44.6	15-130	2.90	50
2-Methylnaphthalene	0.0127	0.00500	"	0.0333	ND	38.0	15-130	18.3	50
Surrogate: 2-Methylnaphthalene-d10	0.0156		"	0.0333		46.9	40-150		
Surrogate: Fluoranthene-d10	0.0166		"	0.0333		49.9	40-150		

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D.C.Dozer Service
 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

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

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

Batch BGG1027 - EPA 3050B

Blank (BGG1027-BLK1)

Prepared: 07/31/23 Analyzed: 08/04/23

Boron ND 0.0100 mg/L

LCS (BGG1027-BS1)

Prepared: 07/31/23 Analyzed: 08/04/23

Boron 2.95 0.0100 mg/L 2.50 118 80-120

Duplicate (BGG1027-DUP1)

Source: 2307527-01

Prepared: 07/31/23 Analyzed: 08/04/23

Boron 0.0705 0.0100 mg/L 0.0886 22.7 20 QR-01

Matrix Spike (BGG1027-MS1)

Source: 2307527-01

Prepared: 07/31/23 Analyzed: 08/04/23

Boron 3.15 0.0100 mg/L 2.50 0.0886 122 75-125

Matrix Spike Dup (BGG1027-MSD1)

Source: 2307527-01

Prepared: 07/31/23 Analyzed: 08/04/23

Boron 2.49 0.0100 mg/L 2.50 0.0886 95.9 75-125 23.5 25

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1403 Fillmore Street
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Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

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 BGH0306 - EPA 3050B

Blank (BGH0306-BLK1)

Prepared: 08/08/23 Analyzed: 08/09/23

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Selenium	ND	0.260	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BGH0306-BS1)

Prepared: 08/08/23 Analyzed: 08/09/23

Arsenic	39.3	0.200	mg/kg wet	40.0	98.2	80-120
Barium	38.9	0.400	"	40.0	97.3	80-120
Cadmium	1.95	0.200	"	2.00	97.5	80-120
Copper	40.4	0.400	"	40.0	101	80-120
Lead	19.7	0.200	"	20.0	98.3	80-120
Nickel	39.3	0.400	"	40.0	98.4	80-120
Selenium	4.59	0.260	"	4.00	115	80-120
Silver	1.87	0.0200	"	2.00	93.3	80-120
Zinc	40.2	0.400	"	40.0	100	80-120

Duplicate (BGH0306-DUP1)

Source: 2307517-01

Prepared: 08/08/23 Analyzed: 08/09/23

Arsenic	0.702	0.200	mg/kg dry	0.531	27.8	20	QR-01
Barium	105	0.400	"	66.7	44.8	20	QR-04
Cadmium	0.129	0.200	"	0.0945	30.7	20	QR-01
Copper	1.69	0.400	"	1.43	16.4	20	
Lead	3.23	0.200	"	2.07	43.7	20	QR-04
Nickel	1.90	0.400	"	1.55	20.3	20	QR-01
Selenium	ND	0.332	"	ND		20	
Silver	0.0250	0.0200	"	0.0163	42.0	20	QR-01
Zinc	6.81	0.400	"	5.22	26.4	20	QR-04
Selenium	ND	0.260	"	ND		200	

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 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

Total Metals by EPA 6020B - Quality Control
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Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BGH0306 - EPA 3050B

Matrix Spike (BGH0306-MS1)

Source: 2307517-01

Prepared: 08/08/23 Analyzed: 08/09/23

Arsenic	12.0	0.200	mg/kg dry	51.1	0.531	22.4	75-125				QM-07
Barium	106	0.400	"	51.1	66.7	76.2	75-125				
Cadmium	1.15	0.200	"	2.55	0.0945	41.3	75-125				QM-07
Copper	12.8	0.400	"	51.1	1.43	22.3	75-125				QM-07
Lead	12.7	0.200	"	25.5	2.07	41.8	75-125				QM-07
Nickel	13.0	0.400	"	51.1	1.55	22.4	75-125				QM-07
Selenium	2.18	0.332	"	5.11	ND	42.8	75-125				QM-07
Silver	1.06	0.0200	"	2.55	0.0163	40.9	75-125				QM-07
Zinc	18.6	0.400	"	51.1	5.22	26.2	75-125				QM-07

Matrix Spike Dup (BGH0306-MSD1)

Source: 2307517-01

Prepared: 08/08/23 Analyzed: 08/09/23

Arsenic	14.5	0.200	mg/kg dry	51.1	0.531	27.3	75-125	18.9	25		QM-07
Barium	142	0.400	"	51.1	66.7	147	75-125	29.4	25		QM-07
Cadmium	1.72	0.200	"	2.55	0.0945	63.8	75-125	39.9	25		QM-07
Copper	15.7	0.400	"	51.1	1.43	27.9	75-125	19.8	25		QM-07
Lead	19.2	0.200	"	25.5	2.07	67.1	75-125	40.5	25		QM-07
Nickel	15.9	0.400	"	51.1	1.55	28.2	75-125	20.6	25		QM-07
Selenium	3.41	0.332	"	5.11	ND	66.8	75-125	43.9	25		QM-07
Silver	1.59	0.0200	"	2.55	0.0163	61.8	75-125	40.3	25		QM-07
Zinc	22.5	0.400	"	51.1	5.22	33.8	75-125	18.8	25		QM-07

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1403 Fillmore Street
Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

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

Batch BGH0315 - 3060A Mod

Blank (BGH0315-BLK1)

Prepared & Analyzed: 08/08/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGH0315-BS1)

Prepared & Analyzed: 08/08/23

Chromium, Hexavalent 24.8 0.30 mg/kg wet 25.0 99.2 80-120

Duplicate (BGH0315-DUP1)

Source: 2308143-01

Prepared & Analyzed: 08/08/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGH0315-MS1)

Source: 2308143-01

Prepared & Analyzed: 08/08/23

Chromium, Hexavalent 23.4 0.30 mg/kg dry 28.3 ND 82.6 75-125

Matrix Spike Dup (BGH0315-MSD1)

Source: 2308143-01

Prepared & Analyzed: 08/08/23

Chromium, Hexavalent 26.8 0.30 mg/kg dry 28.3 ND 94.8 75-125 13.8 20

Summit Scientific

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D.C.Dozer Service
 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

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 BGG1011 - General Preparation

Blank (BGG1011-BLK1)

Prepared: 07/31/23 Analyzed: 08/04/23

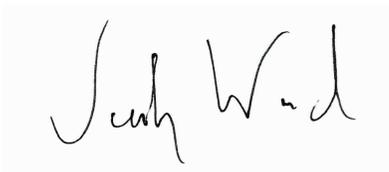
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BGG1011-BS1)

Prepared: 07/31/23 Analyzed: 08/04/23

Calcium	4.46	0.0500	mg/L wet	5.00		89.2	70-130			
Magnesium	5.24	0.0500	"	5.00		105	70-130			
Sodium	5.05	0.0500	"	5.00		101	70-130			

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 1403 Fillmore Street
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Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

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 BGG1018 - General Preparation

Duplicate (BGG1018-DUP1)

Source: 2307531-01

Prepared & Analyzed: 07/31/23

% Solids	84.2		%		84.6			0.500		20	
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D.C.Dozer Service
 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

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 BGH0094 - General Preparation

Blank (BGH0094-BLK1)

Prepared & Analyzed: 08/02/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGH0094-BS1)

Prepared & Analyzed: 08/02/23

Specific Conductance (EC) 0.153 0.0100 mmhos/cm 0.150 102 95-105

Duplicate (BGH0094-DUP1)

Source: 2307532-01

Prepared & Analyzed: 08/02/23

Specific Conductance (EC) 2.26 0.0100 mmhos/cm 2.31 2.10 20

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D.C.Dozer Service
 1403 Fillmore Street
 Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
 Project Manager: Todd Troutman

Reported:
 08/11/23 10:23

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 BGH0095 - General Preparation

LCS (BGH0095-BS1)

Prepared & Analyzed: 08/02/23

pH	9.12		pH Units	9.18		99.3	95-105			
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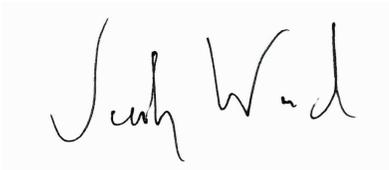
Duplicate (BGH0095-DUP1)

Source: 2307532-01

Prepared & Analyzed: 08/02/23

pH	7.92		pH Units			7.91		0.126	20	
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D.C.Dozer Service
1403 Fillmore Street
Sterling CO, 80751

Project: Colorado State Pit Remediation

Project Number: [none]
Project Manager: Todd Troutman

Reported:
08/11/23 10:23

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- I-04 Sample was analyzed out of recommended holding time per clients request.
- 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