

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 12, 2020

Maggie Graham

Apex Companies

176 Cole Blvd. Suite 250

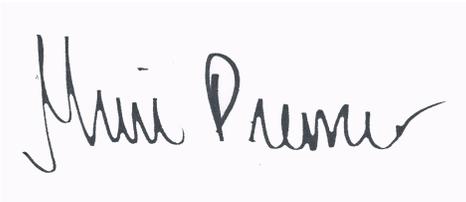
Lakewood, CO 80101

RE: CPR - Allan H Unit

Work Order # 2008038

Enclosed are the results of analyses for samples received by Summit Scientific on 08/05/20 14:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large, stylized initial "M".

Muri Premer For Paul Shrewsbury

President



Apex Companies
176 Cole Blvd. Suite 250
Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
08/12/20 16:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01@4	2008038-01	Soil	08/05/20 11:32	08/05/20 14:47
S01@2	2008038-04	Soil	08/05/20 11:37	08/05/20 14:47

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Summit Scientific

2008038

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: APEX Companies, LLC
Address: 1746 Cole Blvd. Suite 250
City/State/Zip: Lakewood, Colorado 80101
Phone: 720-501-5065
Sampler Name: Sage Maher

Project Manager: Maggie Graham 720-501-5065; 907-538-7699c MaggieGraham@ApexCos.com
E-Mail: DenverRemediation@ApexCos.com Schuyler.hamilton@crestonePR.com
Project Name: Allan H Unit
Project Number: 125,2001.01-330138

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix		Analyze For:							Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	GBTEX	TPH-DRO	pH	EC	SAR		HAUT
B01@4	1132	8/5/20	1			X		X			X	X						Call Maggie Graham with questions
N01@2	1134	↓	↓														X	
N01@2	1135	↓	↓								X	X	X	X	X		X	
S01@2	1137	↓	↓														X	
E01@2	1139	↓	↓														X	
C01	1140	↓	↓														X	
Relinquished by: <u>[Signature]</u> Date/Time: <u>8/5/20</u>				Received by: <u>[Signature]</u> Date/Time: <u>8-5-20 2:47</u>				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>							Notes Circle applicable regulatory agency: <u>COGCC</u> CDPHE			
Relinquished by: _____ Date/Time: _____				Received by: _____ Date/Time: _____				Sample Integrity: Temperature Upon Receipt: <u>10-1</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							Client Name: <u>CPR</u>			

Sample Receipt Checklist

S2 Work Order 2008038

Client: Apex-CPR Client Project ID: Allan H Unit

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

Matrix (check all that apply): _____ Air Soil/Solid _____ Water _____ Other: _____
(Describe)

Temp (°C)	<u>10.1</u>
-----------	-------------

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>			
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.			<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

CS
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

8-5-20 14:47
Date/Time



Apex Companies
176 Cole Blvd. Suite 250
Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
08/12/20 16:24

B01@4
2008038-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/05/20 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	2008067	08/07/20	08/08/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/05/20 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		98.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/05/20 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	2008068	08/07/20	08/08/20	EPA 8015M	

Date Sampled: **08/05/20 11:32**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		105 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
176 Cole Blvd. Suite 250
Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
08/12/20 16:24

S01@2
2008038-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	2008067	08/07/20	08/08/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	2008068	08/07/20	08/08/20	EPA 8015M	

Date Sampled: **08/05/20 11:37**

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

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	5910	11.6	mg/kg dry	1	2008072	08/07/20	08/07/20	EPA 6020B	
Magnesium	917	5.82	"	"	"	"	"	"	
Sodium	80.6	5.82	"	"	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
 176 Cole Blvd. Suite 250
 Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
 08/12/20 16:24

S01@2

2008038-04 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Calculated Analysis

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.258	0.100	units	1	2008105	08/12/20	08/12/20	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.9		%	1	2008047	08/06/20	08/06/20	Calculation	
pH	8.65		pH Units	"	2008049	08/06/20	08/06/20	EPA 9045D	

Specific Conductance by EPA Method 120.1

Date Sampled: **08/05/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.522	0.0100	mmhos/cm	1	2008048	08/06/20	08/06/20	EPA 120.1	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
176 Cole Blvd. Suite 250
Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
08/12/20 16:24

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 2008067 - EPA 5030 Soil MS

Blank (2008067-BLK1)

Prepared & Analyzed: 08/07/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0370		"	0.0400		92.6	23-173			
Surrogate: Toluene-d8	0.0360		"	0.0400		90.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

LCS (2008067-BS1)

Prepared & Analyzed: 08/07/20

Benzene	0.0983	0.0020	mg/kg	0.100		98.3	70-130			
Toluene	0.0849	0.0050	"	0.100		84.9	70-130			
Ethylbenzene	0.104	0.0050	"	0.100		104	70-130			
m,p-Xylene	0.177	0.010	"	0.200		88.5	70-130			
o-Xylene	0.0924	0.0050	"	0.100		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0385		"	0.0400		96.2	23-173			
Surrogate: Toluene-d8	0.0368		"	0.0400		92.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101	21-167			

Matrix Spike (2008067-MS1)

Source: 2008029-01

Prepared & Analyzed: 08/07/20

Benzene	0.0998	0.0020	mg/kg	0.100	ND	99.8	70-130			
Toluene	0.0863	0.0050	"	0.100	ND	86.3	70-130			
Ethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130			
m,p-Xylene	0.182	0.010	"	0.200	ND	90.9	70-130			
o-Xylene	0.0950	0.0050	"	0.100	ND	95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0400		95.0	23-173			
Surrogate: Toluene-d8	0.0370		"	0.0400		92.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
 176 Cole Blvd. Suite 250
 Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
 08/12/20 16:24

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 2008067 - EPA 5030 Soil MS

Matrix Spike Dup (2008067-MSD1)

Source: 2008029-01

Prepared & Analyzed: 08/07/20

Benzene	0.0954	0.0020	mg/kg	0.100	ND	95.4	70-130	4.49	30	
Toluene	0.0946	0.0050	"	0.100	ND	94.6	70-130	9.15	30	
Ethylbenzene	0.102	0.0050	"	0.100	ND	102	70-130	5.13	30	
m,p-Xylene	0.174	0.010	"	0.200	ND	87.0	70-130	4.40	30	
o-Xylene	0.0914	0.0050	"	0.100	ND	91.4	70-130	3.77	30	
Surrogate: 1,2-Dichloroethane-d4	0.0396		"	0.0400		99.1	23-173			
Surrogate: Toluene-d8	0.0409		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0400		100	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
 176 Cole Blvd. Suite 250
 Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
 08/12/20 16:24

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 2008068 - EPA 3550A

Blank (2008068-BLK1)

Prepared & Analyzed: 08/07/20

C10-C28 (DRO) ND 50 mg/kg

LCS (2008068-BS1)

Prepared & Analyzed: 08/07/20

C10-C28 (DRO) 473 50 mg/kg 500 94.6 70-130

Matrix Spike (2008068-MS1)

Source: 2008029-01

Prepared & Analyzed: 08/07/20

C10-C28 (DRO) 466 50 mg/kg 500 23.4 88.6 70-130

Matrix Spike Dup (2008068-MSD1)

Source: 2008029-01

Prepared & Analyzed: 08/07/20

C10-C28 (DRO) 435 50 mg/kg 500 23.4 82.4 70-130 6.90 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
176 Cole Blvd. Suite 250
Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
08/12/20 16:24

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis - Quality Control

Summit Scientific

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

Batch 2008072 - General Preparation

Blank (2008072-BLK1)

Prepared & Analyzed: 08/07/20

Calcium	ND	10.0	mg/kg wet						
Magnesium	ND	5.00	"						
Sodium	ND	5.00	"						

LCS (2008072-BS1)

Prepared & Analyzed: 08/07/20

Calcium	532	10.0	mg/kg wet	500	106	70-130			
Magnesium	596	5.00	"	500	119	70-130			
Sodium	544	5.00	"	500	109	70-130			

Duplicate (2008072-DUP1)

Source: 2008032-01

Prepared & Analyzed: 08/07/20

Calcium	269	11.9	mg/kg dry	273			1.55	20	
Magnesium	257	5.93	"	236			8.41	20	
Sodium	53.3	5.93	"	64.0			18.2	20	

Matrix Spike (2008072-MS1)

Source: 2008032-01

Prepared & Analyzed: 08/07/20

Calcium	789	11.9	mg/kg dry	593	273	87.0	70-130		
Magnesium	819	5.93	"	593	236	98.4	70-130		
Sodium	653	5.93	"	593	64.0	99.2	70-130		

Matrix Spike Dup (2008072-MSD1)

Source: 2008032-01

Prepared & Analyzed: 08/07/20

Calcium	814	11.9	mg/kg dry	593	273	91.2	70-130	3.11	25
Magnesium	928	5.93	"	593	236	117	70-130	12.4	25
Sodium	692	5.93	"	593	64.0	106	70-130	5.84	25

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
 176 Cole Blvd. Suite 250
 Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
 08/12/20 16:24

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch 2008047 - General Preparation

Duplicate (2008047-DUP1)

Source: 2008038-04

Prepared & Analyzed: 08/06/20

% Solids	85.7		%		85.9			0.233	20	
----------	------	--	---	--	------	--	--	-------	----	--

Batch 2008049 - General Preparation

LCS (2008049-BS1)

Prepared & Analyzed: 08/06/20

pH	9.21		pH Units	9.18		100	95-105			
----	------	--	----------	------	--	-----	--------	--	--	--

Duplicate (2008049-DUP1)

Source: 2008038-04

Prepared & Analyzed: 08/06/20

pH	8.64		pH Units		8.65			0.116	20	
----	------	--	----------	--	------	--	--	-------	----	--

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
 176 Cole Blvd. Suite 250
 Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
 08/12/20 16:24

Specific Conductance by EPA Method 120.1 - Quality Control

Summit Scientific

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

Batch 2008048 - General Preparation

Blank (2008048-BLK1)

Prepared & Analyzed: 08/06/20

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (2008048-BS1)

Prepared & Analyzed: 08/06/20

Specific Conductance (EC) 0.784 0.0100 mmhos/cm 0.750 105 90-110

Duplicate (2008048-DUP1)

Source: 2008038-04

Prepared & Analyzed: 08/06/20

Specific Conductance (EC) 0.518 0.0100 mmhos/cm 0.522 0.769 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Companies
176 Cole Blvd. Suite 250
Lakewood CO, 80101

Project: CPR - Allan H Unit

Project Number: 125.2001.01-336138

Project Manager: Maggie Graham

Reported:
08/12/20 16:24

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