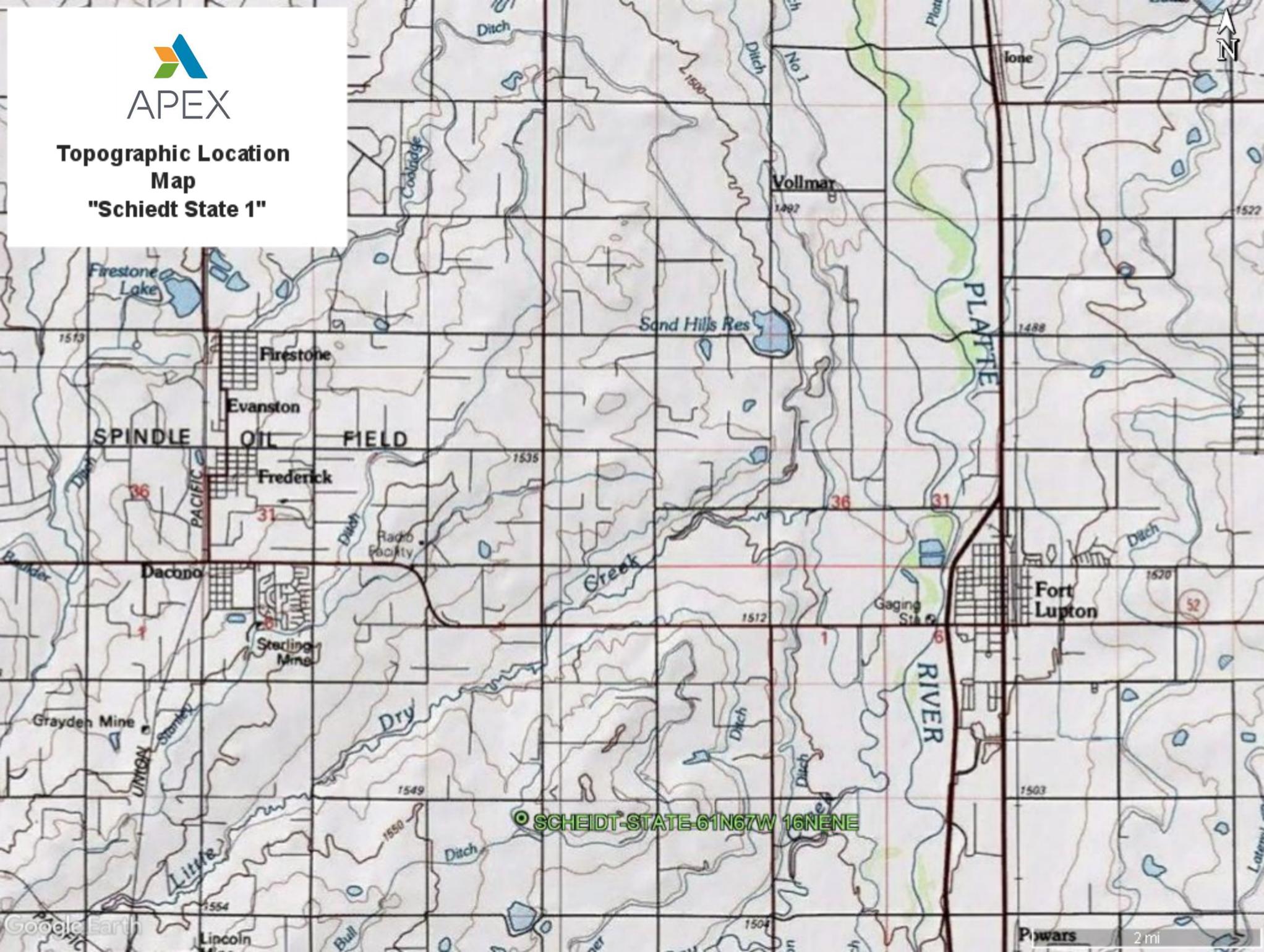




Topographic Location  
Map  
"Schiedt State 1"





**SCHEIDT-STATE-61N67W 16NENE**  
**(Location ID: 317612)**  
**"Schiedt State 1"**



GB01@5

Former Location of  
Produced-Water  
Vessel



## Laboratory Results Summary Table - Soil Schiedt State 1

Location	Sample Date	Sample ID	Organics (mg/kg)					(mmhos/cm)	Units	(pH Units)
			500	0.17	85	100	175	4	12	(6-9)
COGCC Allowable Concentration (Soil) -->			TPH (total volatile and extractable petroleum hydrocarbons) (TPH-GRO + TPH-DRO)	Benzene	Toluene	Ethylbenzene	Xylenes - total	EC (Specific Conductance) (<4 mmhos/cm or 2x background)	SAR (Sodium Adsorption Ratio) (calculation)	pH
Schiedt State 1	8/3/20	GB01@5	<50	<0.0020	<0.0050	<0.0050	<0.010	1.53	1.19	8.11

Grey Highlight - Below Detection Limit

**Attachment A**

**Laboratory Analytical Report**

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 03, 2020

Maggie Graham

Apex Companies

176 Cole Blvd. Suite 250

Lakewood, CO 80101

RE: CPR - Schiedt State 1

Work Order # 2007254

Enclosed are the results of analyses for samples received by Summit Scientific on 07/27/20 11:50. 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 initial "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury

President



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

Project: CPR - Schiedt State 1

Project Number: TBD  
Project Manager: Maggie Graham

**Reported:**  
08/03/20 15:08

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GB01@5'	2007254-01	Soil	07/27/20 10:30	07/27/20 11:50

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

2007254

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

Page 1 of 1

Client: APEX Companies, LLC  
Address: 176 Cole Blvd. Suite 250  
City/State/Zip: Lakewood, Colorado 80101  
Phone: 720-501-5065 Fax:  
Sampler Name: Ryan Finley

Project Manager: Maggie Graham 720-501-5065; 907-538-7699c  
E-Mail: DenverRemediation@ApexCos.onmicrosoft.com  
Project Name: Schiedt state 1  
Project Number: TB0

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:						Special Instructions		
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	GBTEX	TPH DR0	PH	EC	SAR			
<u>GB01@5'</u>	<u>7/27/20</u>	<u>1030</u>	<u>1</u>			<u>X</u>			<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>Call Maggie Graham with questions</u>
Relinquished by: <u>Ryan Finley</u>		Date/Time: <u>7/27/20 11:50</u>		Received by: <u>E. Schiedt</u>		Date/Time: <u>7-27-20 11:50</u>		Turn Around Time (Check)						Notes					
								Same Day <input type="checkbox"/>		72 Hours <input type="checkbox"/>		Standard <input checked="" type="checkbox"/>		Circle applicable regulatory agency:					
								24 Hours <input type="checkbox"/>						<u>COGCC/CDPHE</u>					
								48 Hours <input type="checkbox"/>						Client Name: <u>an a</u>					
Relinquished by: <u>Ryan Finley</u>		Date/Time: <u>7/27/20 11:50</u>		Received in Lab by: <u>E. Schiedt</u>		Date/Time: <u>7-27-20 11:50</u>		Sample Integrity:		Temperature Upon Receipt: <u>3.5°C</u>		Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<u>CPR</u>					

Sample Receipt Checklist

S2 Work Order 2007254

Client: APEX Client Project ID: Schiedt State 1

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

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

Temp (°C) 3.5°C

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? 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"/>	<input checked="" type="checkbox"/>		on ice
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
If custody seals are present, are they intact <sup>(1)</sup> ?			<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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input 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) <sup>(1)</sup> ? 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 <sup>(1)</sup> ? 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):

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

Eric H.  
Custodian Printed Name or Initials

Eric Schiedt  
Signature of Custodian

7-27-2020 11:50  
Date/Time



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

Project: CPR - Schiedt State 1

Project Number: TBD  
Project Manager: Maggie Graham

Reported:  
08/03/20 15:08

**GB01@5'**  
**2007254-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	2007313	07/29/20	07/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		62.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		77.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.4 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	2007288	07/28/20	07/29/20	EPA 8015M	

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		104 %	30-150		"	"	"	"	

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

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	<b>3130</b>	11.3	mg/kg dry	1	2007297	07/28/20	07/28/20	EPA 6020B	
Magnesium	<b>834</b>	5.65	"	"	"	"	"	"	

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 - Schiedt State 1

Project Number: TBD  
 Project Manager: Maggie Graham

**Reported:**  
 08/03/20 15:08

**GB01@5'**  
**2007254-01 (Soil)**

**Summit Scientific**

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

<b>Sodium</b>	<b>290</b>	5.65	mg/kg dry	1	2007297	07/28/20	07/28/20	EPA 6020B
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**Calculated Analysis**

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Sodium Adsorption Ratio</b>	<b>1.19</b>	0.100	units	1	2007327	07/30/20	07/30/20	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>% Solids</b>	<b>88.4</b>		%	1	2007303	07/29/20	07/29/20	Calculation	
<b>pH</b>	<b>8.11</b>		pH Units	"	2007304	07/29/20	07/29/20	EPA 9045D	

**Specific Conductance by EPA Method 120.1**

Date Sampled: **07/27/20 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>1.53</b>	0.0100	mmhos/cm	1	2008014	08/03/20	08/03/20	EPA 120.1	

Summit Scientific

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

Project: CPR - Schiedt State 1

Project Number: TBD  
Project Manager: Maggie Graham

**Reported:**  
08/03/20 15:08

### 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 2007313 - EPA 5030 Soil MS

##### Blank (2007313-BLK1)

Prepared & Analyzed: 07/29/20

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	0.0218		"	0.0400		54.4	23-173			
Surrogate: Toluene-d8	0.0312		"	0.0400		78.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

##### LCS (2007313-BS1)

Prepared & Analyzed: 07/29/20

Benzene	0.0705	0.0020	mg/kg	0.0750		94.0	70-130			
Toluene	0.0810	0.0050	"	0.0750		108	70-130			
Ethylbenzene	0.0651	0.0050	"	0.0750		86.8	70-130			
m,p-Xylene	0.127	0.010	"	0.150		84.9	70-130			
o-Xylene	0.0663	0.0050	"	0.0750		88.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0175		"	0.0400		43.6	23-173			
Surrogate: Toluene-d8	0.0328		"	0.0400		81.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0400		100	21-167			

##### Matrix Spike (2007313-MS1)

Source: 2007255-02

Prepared & Analyzed: 07/29/20

Benzene	0.0726	0.0020	mg/kg	0.0750	ND	96.8	70-130			
Toluene	0.0669	0.0050	"	0.0750	ND	89.2	70-130			
Ethylbenzene	0.0706	0.0050	"	0.0750	ND	94.1	70-130			
m,p-Xylene	0.140	0.010	"	0.150	ND	93.3	70-130			
o-Xylene	0.0745	0.0050	"	0.0750	ND	99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0213		"	0.0400		53.2	23-173			
Surrogate: Toluene-d8	0.0383		"	0.0400		95.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0434		"	0.0400		109	21-167			

Summit Scientific

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

Project: CPR - Schiedt State 1

Project Number: TBD  
 Project Manager: Maggie Graham

**Reported:**  
 08/03/20 15:08

**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 2007313 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (2007313-MSD1)</b>	<b>Source: 2007255-02</b>			<b>Prepared &amp; Analyzed: 07/29/20</b>						
Benzene	0.0722	0.0020	mg/kg	0.0750	ND	96.2	70-130	0.580	30	
Toluene	0.0658	0.0050	"	0.0750	ND	87.8	70-130	1.54	30	
Ethylbenzene	0.0712	0.0050	"	0.0750	ND	94.9	70-130	0.889	30	
m,p-Xylene	0.138	0.010	"	0.150	ND	92.0	70-130	1.49	30	
o-Xylene	0.0724	0.0050	"	0.0750	ND	96.6	70-130	2.82	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0218</i>		<i>"</i>	<i>0.0400</i>		<i>54.4</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0395</i>		<i>"</i>	<i>0.0400</i>		<i>98.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0456</i>		<i>"</i>	<i>0.0400</i>		<i>114</i>	<i>21-167</i>			

Summit Scientific

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

Project: CPR - Schiedt State 1

Project Number: TBD  
 Project Manager: Maggie Graham

**Reported:**  
 08/03/20 15:08

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 2007288 - EPA 3550A**

**Blank (2007288-BLK1)**

Prepared: 07/28/20 Analyzed: 07/29/20

C10-C28 (DRO) ND 50 mg/kg

**LCS (2007288-BS1)**

Prepared: 07/28/20 Analyzed: 07/29/20

C10-C28 (DRO) 425 50 mg/kg 500 85.0 70-130

**Matrix Spike (2007288-MS1)**

**Source: 2007239-01**

Prepared: 07/28/20 Analyzed: 07/29/20

C10-C28 (DRO) 458 50 mg/kg 500 26.4 86.3 70-130

**Matrix Spike Dup (2007288-MSD1)**

**Source: 2007239-01**

Prepared: 07/28/20 Analyzed: 07/29/20

C10-C28 (DRO) 429 50 mg/kg 500 26.4 80.6 70-130 6.39 20

Summit Scientific

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

Project: CPR - Schiedt State 1

Project Number: TBD  
Project Manager: Maggie Graham

**Reported:**  
08/03/20 15:08

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

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

**Batch 2007297 - General Preparation**

**Blank (2007297-BLK1)**

Prepared & Analyzed: 07/28/20

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

**LCS (2007297-BS1)**

Prepared & Analyzed: 07/28/20

Calcium	517	10.0	mg/kg wet	500	103	70-130			
Magnesium	572	5.00	"	500	114	70-130			
Sodium	526	5.00	"	500	105	70-130			

**Duplicate (2007297-DUP1)**

Source: 2007252-01

Prepared & Analyzed: 07/28/20

Calcium	1030	11.6	mg/kg dry	1070			4.23	20
Magnesium	565	5.79	"	599			5.82	20
Sodium	239	5.79	"	246			2.89	20

**Matrix Spike (2007297-MS1)**

Source: 2007252-01

Prepared & Analyzed: 07/28/20

Calcium	1670	11.6	mg/kg dry	579	1070	104	70-130	
Magnesium	1130	5.79	"	579	599	90.9	70-130	
Sodium	772	5.79	"	579	246	91.0	70-130	

**Matrix Spike Dup (2007297-MSD1)**

Source: 2007252-01

Prepared & Analyzed: 07/28/20

Calcium	1660	11.6	mg/kg dry	579	1070	103	70-130	0.373	25
Magnesium	1150	5.79	"	579	599	95.7	70-130	2.42	25
Sodium	818	5.79	"	579	246	98.9	70-130	5.76	25

Summit Scientific

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

Project: CPR - Schiedt State 1

Project Number: TBD  
 Project Manager: Maggie Graham

**Reported:**  
 08/03/20 15:08

**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 2007303 - General Preparation**

<b>Duplicate (2007303-DUP1)</b>		<b>Source: 2007242-01</b>			<b>Prepared &amp; Analyzed: 07/29/20</b>					
% Solids	93.8		%		93.7			0.107	20	

**Batch 2007304 - General Preparation**

<b>LCS (2007304-BS1)</b>		<b>Prepared &amp; Analyzed: 07/29/20</b>								
pH	9.21		pH Units	9.18	100	95-105				
<b>Duplicate (2007304-DUP1)</b>		<b>Source: 2007253-01</b>			<b>Prepared &amp; Analyzed: 07/29/20</b>					
pH	8.57		pH Units	8.55			0.234	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 - Schiedt State 1

Project Number: TBD  
 Project Manager: Maggie Graham

**Reported:**  
 08/03/20 15:08

**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 2008014 - General Preparation**

**Blank (2008014-BLK1)**

Prepared & Analyzed: 08/03/20

Specific Conductance (EC)      ND      0.0100    mmhos/cm

**LCS (2008014-BS1)**

Prepared & Analyzed: 08/03/20

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

**Duplicate (2008014-DUP1)**

**Source: 2007254-01**

Prepared & Analyzed: 08/03/20

Specific Conductance (EC)      1.63      0.0100    mmhos/cm      1.53      6.08      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 - Schiedt State 1

Project Number: TBD  
Project Manager: Maggie Graham

**Reported:**  
08/03/20 15:08

### 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