

**TABLE 1  
FORMER ANDERSON 31-10 WELLHEAD  
SOIL ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	Depth	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1, 2, 4-TMB (mg/kg)	1, 3, 5-TMB (mg/kg)	Naphthalene (mg/kg)	TPH <sup>(4)</sup> (mg/kg)
Residential SSL <sup>(1,2)</sup>			1.2	490	5.8	58	30	27	2	500
Protection of Groundwater SSL <sup>(1,2,3)</sup>			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500
WH01 @ 6'	5/26/2021	6 ft. bgs	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50

**Notes:**

1. Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
2. Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
3. SSLs are applicable if a pathway for communication with groundwater is present.
4. Value calculated by adding TVPH-GRO, TEPH-DRO, and TEPH-ORO concentrations.

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

TVPH-GRO = Total volatile petroleum hydrocarbons - gasoline range organics

TEPH-DRO = Total extractable petroleum hydrocarbons - diesel range organics

TEPH-ORO = Total extractable petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

TMB = Trimethylbenzene

ft. = Feet

bgs = Below ground surface

**TABLE 2**  
**FORMER ANDERSON 31-10 WELLHEAD**  
**SOIL ANALYTICAL RESULTS SUMMARY TABLE**  
**INORGANIC COMPOUNDS**

Sample ID	Date Sampled	Depth	pH (units)	EC (mmhos/cm)	SAR (units)	Boron (mg/L)
Soil Suitability for Reclamation Standard <sup>(1)</sup>			6-8.3	<4	<6	2
FLR01 @ 2.5'	5/26/2021	2.5 ft. bgs	7.02	0.115	0.424	0.153

**Notes:**

1. Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.

COGCC = Colorado Oil and Gas Conservation Commission

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = millimhos per centimeter

mg/L = milligram per liter

ft. = Feet

bgs = Below ground surface

**TABLE 3**  
**FORMER ANDERSON 31-10 WELLHEAD**  
**FIELD DATA SUMMARY TABLE**

Sample ID	Date Sampled	Depth	GPS Data <sup>(1)</sup>		PDOP Value	VOC Concentration <sup>(2)</sup> (ppm)
			Latitude	Longitude		
WH01 @ 6'	5/26/2021	6 ft. bgs	40.508314	-104.760707	1.4	0.1
FLR01 @ 2.5'	5/26/2021	2.5 ft. bgs	40.508331	-104.760701	1.3	0.1
FLR01 @ 4'	5/26/2021	4 ft. bgs	40.508335	-104.760692	1.2	0.2
WHS01-N @ 0-6"	5/26/2021	0-6 in. bgs	40.508371	-104.760726	1.3	0.0
WHS01-W @ 0-6"	5/26/2021	0-6 in. bgs	40.508329	-104.760778	1.3	0.0
WHS01-S @ 0-6"	5/26/2021	0-6 in. bgs	40.508273	-104.760696	1.3	0.0
WHS01-E @ 0-6"	5/26/2021	0-6 in. bgs	40.508329	-104.760668	1.3	0.0
BKG01 @ 2.5'	5/26/2021	2.5 ft. bgs	40.508250	-104.760618	1.4	0.4
FL01-01 @ 4'	5/26/2021	4 ft. bgs	NC	NC	NC	0.3
FL01-02 @ 4'	5/26/2021	4 ft. bgs	NC	NC	NC	0.2
FL01-03 @ 4'	5/26/2021	4 ft. bgs	NC	NC	NC	1.7

**Notes:**

1. Global Positioning System (GPS) data is provided in decimal degrees using World Geodetic System (WGS) 84 UTM Zone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

ft. = Feet

in. = Inches

bgs = Below ground surface

NC = Data not collected

## Attachment A

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 11, 2021

Mark Longhurst

PDC Energy

1775 Sherman St. STE. 3000

Denver, CO 80203

RE: Anderson 31-10 Wellhead

Work Order #2105454

Enclosed are the results of analyses for samples received by Summit Scientific on 05/27/21 17:15. 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



PDC Energy  
1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]

Project Manager: Mark Longhurst

**Reported:**  
06/11/21 12:35

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH01@6'	2105454-01	Soil	05/26/21 11:31	05/27/21 17:15
FLR01@2.5'	2105454-02	Soil	05/26/21 11:33	05/27/21 17:15

Summit Scientific

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**Sample Receipt Checklist**

S2 Work Order 2105454

Client: ADC/Tasman Client Project ID Anderson 31-10 wellhead

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

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

Temp (°C)	5
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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.	✓			<i>On ice.</i>
Were all samples received intact <sup>(1)</sup> ?	✓			
Was adequate sample volume provided <sup>(1)</sup> ?	✓			
If custody seals are present, are they intact <sup>(1)</sup> ?			✓	
Are samples with holding times due within 48 hours sample due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	✓			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	✓			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	✓			
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>			✓	
Are samples preserved that require preservation <b>(excluding cooling)</b> <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			✓	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	

Additional Comments (if any):

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

JB  
Custodian Printed Name or Initials

*John Br*  
Signature of Custodian

5/27/21  
Date/Time



PDC Energy  
1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
06/11/21 12:35

**WH01@6'**  
**2105454-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/26/21 11:31**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BEF0100	06/03/21	06/04/21	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: **05/26/21 11:31**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		129 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %		21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/26/21 11:31**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BEF0099	06/03/21	06/04/21	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **05/26/21 11:31**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		78.2 %		30-150		"	"	"	"	

Summit Scientific

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1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
06/11/21 12:35

**FLR01@2.5'**  
**2105454-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **05/26/21 11:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Boron</b>	<b>0.153</b>	0.0100	mg/L	1	BEF0110	06/04/21	06/07/21	EPA 6020B	

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

Date Sampled: **05/26/21 11:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Calcium</b>	<b>12.2</b>	0.0589	mg/L dry	1	BEF0093	06/03/21	06/08/21	EPA 6020B	
<b>Magnesium</b>	<b>3.45</b>	0.0589	"	"	"	"	"	"	
<b>Sodium</b>	<b>6.51</b>	0.0589	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **05/26/21 11:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Sodium Adsorption Ratio</b>	<b>0.424</b>	0.00100	units	1	BEF0177	06/08/21	06/08/21	Calculation	

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

Date Sampled: **05/26/21 11:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>% Solids</b>	<b>84.9</b>		%	1	BEF0082	06/03/21	06/04/21	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **05/26/21 11:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>0.115</b>	0.0100	mmhos/cm	1	BEF0120	06/04/21	06/04/21	EPA 120.1	

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

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 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
 Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**FLR01@2.5'**  
**2105454-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/26/21 11:33**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>7.02</b>		pH Units	1	BEF0119	06/04/21	06/04/21	EPA 9045D	

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1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
06/11/21 12:35

### 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 BEF0100 - EPA 5030 Soil MS

##### Blank (BEF0100-BLK1)

Prepared & Analyzed: 06/03/21

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>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.4</i>		<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0431</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>		<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>		<i>21-167</i>			

##### LCS (BEF0100-BS1)

Prepared & Analyzed: 06/03/21

Benzene	0.0888	0.0020	mg/kg	0.100		88.8		70-130			
Toluene	0.0844	0.0050	"	0.100		84.4		70-130			
Ethylbenzene	0.0958	0.0050	"	0.100		95.8		70-130			
m,p-Xylene	0.185	0.010	"	0.200		92.4		70-130			
o-Xylene	0.0857	0.0050	"	0.100		85.7		70-130			
1,2,4-Trimethylbenzene	0.0901	0.0050	"	0.100		90.1		70-130			
1,3,5-Trimethylbenzene	0.0913	0.0050	"	0.100		91.3		70-130			
Naphthalene	0.0969	0.0038	"	0.100		96.9		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0268</i>		<i>"</i>	<i>0.0400</i>		<i>67.0</i>		<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>		<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.5</i>		<i>21-167</i>			

##### Matrix Spike (BEF0100-MS1)

Source: 2105450-06

Prepared & Analyzed: 06/03/21

Benzene	0.0851	0.0020	mg/kg	0.100	ND	85.1		70-130			
Toluene	0.0821	0.0050	"	0.100	ND	82.1		70-130			
Ethylbenzene	0.0962	0.0050	"	0.100	ND	96.2		70-130			
m,p-Xylene	0.186	0.010	"	0.200	ND	92.8		70-130			
o-Xylene	0.0871	0.0050	"	0.100	ND	87.1		70-130			
1,2,4-Trimethylbenzene	0.0922	0.0050	"	0.100	ND	92.2		70-130			
1,3,5-Trimethylbenzene	0.0924	0.0050	"	0.100	ND	92.4		70-130			
Naphthalene	0.0789	0.0038	"	0.100	ND	78.9		70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0226</i>		<i>"</i>	<i>0.0400</i>		<i>56.5</i>		<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0418</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>		<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0371</i>		<i>"</i>	<i>0.0400</i>		<i>92.8</i>		<i>21-167</i>			

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PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
 Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0100 - EPA 5030 Soil MS**

Matrix Spike Dup (BEF0100-MSD1)	Source: 2105450-06			Prepared & Analyzed: 06/03/21						
Benzene	0.0852	0.0020	mg/kg	0.100	ND	85.2	70-130	0.106	30	
Toluene	0.0812	0.0050	"	0.100	ND	81.2	70-130	1.10	30	
Ethylbenzene	0.0943	0.0050	"	0.100	ND	94.3	70-130	2.02	30	
m,p-Xylene	0.181	0.010	"	0.200	ND	90.4	70-130	2.59	30	
o-Xylene	0.0852	0.0050	"	0.100	ND	85.2	70-130	2.16	30	
1,2,4-Trimethylbenzene	0.0903	0.0050	"	0.100	ND	90.3	70-130	2.04	30	
1,3,5-Trimethylbenzene	0.0898	0.0050	"	0.100	ND	89.8	70-130	2.83	30	
Naphthalene	0.0789	0.0038	"	0.100	ND	78.9	70-130	0.0760	30	
Surrogate: 1,2-Dichloroethane-d4	0.0232		"	0.0400		57.9	23-173			
Surrogate: Toluene-d8	0.0422		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0363		"	0.0400		90.8	21-167			

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PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
 Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0099 - EPA 3550A**

**Blank (BEF0099-BLK1)**

Prepared: 06/03/21 Analyzed: 06/04/21

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							

**LCS (BEF0099-BS1)**

Prepared: 06/03/21 Analyzed: 06/04/21

C10-C28 (DRO)	513	50	mg/kg	500	103	70-130				
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**Matrix Spike (BEF0099-MS1)**

Source: 2105450-01

Prepared: 06/03/21 Analyzed: 06/04/21

C10-C28 (DRO)	447	50	mg/kg	500	13.8	86.6	70-130			
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**Matrix Spike Dup (BEF0099-MSD1)**

Source: 2105450-01

Prepared: 06/03/21 Analyzed: 06/04/21

C10-C28 (DRO)	467	50	mg/kg	500	13.8	90.7	70-130	4.45	20	
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PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
 Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0110 - EPA 3050B**

**Blank (BEF0110-BLK1)**

Prepared: 06/04/21 Analyzed: 06/07/21

Boron ND 0.0100 mg/L

**LCS (BEF0110-BS1)**

Prepared: 06/04/21 Analyzed: 06/07/21

Boron 5.45 0.0100 mg/L 5.00 109 80-120

**Duplicate (BEF0110-DUP1)**

**Source: 2105438-02**

Prepared: 06/04/21 Analyzed: 06/07/21

Boron 1.23 0.0100 mg/L 1.13 8.51 20

**Matrix Spike (BEF0110-MS1)**

**Source: 2105438-02**

Prepared: 06/04/21 Analyzed: 06/07/21

Boron 6.44 0.0100 mg/L 5.00 1.13 106 75-125

**Matrix Spike Dup (BEF0110-MSD1)**

**Source: 2105438-02**

Prepared: 06/04/21 Analyzed: 06/07/21

Boron 5.22 0.0100 mg/L 5.00 1.13 81.8 75-125 21.0 25

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PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
 Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0093 - General Preparation**

**Blank (BEF0093-BLK1)**

Prepared: 06/03/21 Analyzed: 06/08/21

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

**LCS (BEF0093-BS1)**

Prepared: 06/03/21 Analyzed: 06/08/21

Calcium	5.06	0.0500	mg/L wet	5.00		101	70-130			
Magnesium	5.14	0.0500	"	5.00		103	70-130			
Sodium	5.35	0.0500	"	5.00		107	70-130			

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PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]

Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0082 - General Preparation**

**Duplicate (BEF0082-DUP1)**

**Source: 2105284-09**

Prepared: 06/03/21 Analyzed: 06/04/21

% Solids	95.3		%		95.1			0.183	20	
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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.*



PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
 Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0120 - General Preparation**

**Blank (BEF0120-BLK1)**

Prepared & Analyzed: 06/04/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BEF0120-BS1)**

Prepared & Analyzed: 06/04/21

Specific Conductance (EC) 0.143 0.0100 mmhos/cm 0.150 95.2 90-110

**Duplicate (BEF0120-DUP1)**

Source: 2105431-04

Prepared & Analyzed: 06/04/21

Specific Conductance (EC) 0.192 0.0100 mmhos/cm 0.192 0.0520 20

Summit Scientific

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PDC Energy  
 1775 Sherman St. STE. 3000  
 Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]

Project Manager: Mark Longhurst

**Reported:**  
 06/11/21 12:35

**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 BEF0119 - General Preparation**

**LCS (BEF0119-BS1)**

Prepared & Analyzed: 06/04/21

pH 9.25 pH Units 9.21 100 95-105

**Duplicate (BEF0119-DUP1)**

Source: 2105359-09

Prepared & Analyzed: 06/04/21

pH 7.48 pH Units 7.47 0.134 20

Summit Scientific

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PDC Energy  
1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Anderson 31-10 Wellhead

Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
06/11/21 12:35

### 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