

TABLE 1
COORS FEE 2, 12-6; COORS V6-4, 5, 6
SOIL ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	Depth (Feet bgs)	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH ⁽²⁾ (mg/kg)
SS01	3/14/2014	14	4.7	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS02	3/14/2014	14	0.6	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS03	3/14/2014	14	1.9	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS04	3/14/2014	14	1.4	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS05	3/14/2014	18	4.3	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS06	3/14/2014	18	11.9	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS07	3/14/2014	14	8.6	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS08	3/14/2014	19	158	0.0078	0.0063	<0.005	0.029	<0.01	2.2
SS09	3/17/2014	5	0.8	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS10	3/17/2014	5	1.1	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS11	3/17/2014	5	2.0	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS12	3/17/2014	5	1.2	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS13	3/17/2014	5	5.6	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS14	3/17/2014	5	0.6	<0.002	<0.005	<0.005	<0.01	<0.01	<50
SS15	3/17/2014	7	1.6	<0.002	<0.005	<0.005	<0.01	<0.01	<50
COGCC standards for Soil (mg/kg) ⁽¹⁾				0.17	85	100	175	23	500

Notes:

1). Standards for Soil are taken from 2 CCR 404-1, Table 910-1, effective February 1, 2014.

2). TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.

GRO - Gasoline range organics.

DRO - Diesel range organics.

mg/kg= Milligrams per kilogram.

bgs - Below ground surface.

ppm - Parts per million

Bold red values indicate an exceedance of the COGCC soil standards for the Site.

ATTACHMENT A

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 17, 2014

Brandon Bruns

PDC Energy

1775 Sherman St. STE. 3000

Denver, CO 80203

RE: Coors Fee 2,12-6; Coors V6-4,5,6

Enclosed are the results of analyses for samples received by Summit Scientific on 03/14/14 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

President / Laboratory Manager



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01@14'	1403100-01	Soil	03/14/14 09:20	03/14/14 17:15
SS02@14'	1403100-02	Soil	03/14/14 09:45	03/14/14 17:15
SS03@14'	1403100-03	Soil	03/14/14 10:10	03/14/14 17:15
SS04@14'	1403100-04	Soil	03/14/14 10:30	03/14/14 17:15
SS05@18'	1403100-05	Soil	03/14/14 13:30	03/14/14 17:15
SS06@18'	1403100-06	Soil	03/14/14 13:35	03/14/14 17:15
SS07@14'	1403100-07	Soil	03/14/14 14:25	03/14/14 17:15
SS08@19'	1403100-08	Soil	03/14/14 14:30	03/14/14 17:15

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

1403100

Summit Scientific

52

741 Corporate Circle, Suite J&K • Golden, Colorado 80401
303-277-9310 • 303-574-5933

Client: PDC Energy
Address: _____
City/State/Zip: _____
Phone: _____
Fax: _____
Project Name: Coors Fee 2,12-6; Coors V6-4,5,6
Project Number: _____
Sampler Name: Eric Siegel
Project Manager: Brandon Bruns
E-Mail: _____
Page 1 of 1

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested	Special Instructions
					HCl	HNO3	Zone	Other (Specify)	Groundwater	Soil		
1	SS01E14'	3/14/14	0920	1	X						8260 GTRX 8215 DPO Mphthlene	
2	SS02E14'		0945									
3	SS03E14'		1010									
4	SS04E14'		1030									
5	SS05E15'		1330									
6	SS06E15'		1335									
7	SS07E14'		1425									
8	SS08E15'		1430									
9												
10												

Relinquished by: Eric Siegel	Date/Time: 3/14/14	Received by: [Signature]	Date/Time: 3/14/14	Turn Around Time (Check): Same Day	72 hours	Standard	Notes:
Relinquished by: [Signature]	Date/Time: 3/14/14	Received by: [Signature]	Date/Time: 3/14/14	48 hours			Sample Integrity: OC
Relinquished by: [Signature]	Date/Time: 3/14/14	Received by: [Signature]	Date/Time: 3/14/14	Temperature Upon Receipt: Inact: Yes			No

www.S2scientific.com

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS01@14'
1403100-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		101 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.4 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS02@14'
1403100-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 09:45**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		92.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.0 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS03@14'
1403100-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		96.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS04@14'
1403100-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		99.8 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS05@18'
1403100-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.7 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS06@18'
1403100-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		97.1 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		92.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS07@14'
1403100-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		85.5 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

SS08@19'
1403100-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/14/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403113	03/15/14	03/15/14	8015M	

Date Sampled: **03/14/14 14:30**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/14/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403112	03/15/14	03/15/14	EPA 8260B	
Benzene	0.0078	0.0020	"	"	"	"	"	"	
Toluene	0.0063	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.029	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.2	0.50	"	"	"	"	"	"	

Date Sampled: **03/14/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.6 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
 Project Manager: Brandon Brunns

Reported:
 03/17/14 13:05

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1403113 - EPA 3550A

Blank (1403113-BLK1)				Prepared & Analyzed: 03/15/14						
C10-C28 (DRO)	ND	50	mg/kg							
LCS (1403113-BS1)				Prepared & Analyzed: 03/15/14						
C10-C28 (DRO)	442	50	mg/kg	467	94.7	73-134				
Matrix Spike (1403113-MS1)				Source: 1403100-01 Prepared & Analyzed: 03/15/14						
C10-C28 (DRO)	459	50	mg/kg	488	ND	94.1	50-148			
Matrix Spike Dup (1403113-MSD1)				Source: 1403100-01 Prepared & Analyzed: 03/15/14						
C10-C28 (DRO)	448	50	mg/kg	484	ND	92.7	50-148	2.41	13	

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Brunns

Reported:
03/17/14 13:05

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 1403112 - EPA 5030 Soil MS

Blank (1403112-BLK1)

Prepared & Analyzed: 03/15/14

Naphthalene	ND	0.010	mg/kg							
Benzene	ND	0.0020	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0347</i>		<i>"</i>	<i>0.0388</i>		<i>89.4</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0382</i>		<i>"</i>	<i>0.0391</i>		<i>97.9</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0371</i>		<i>"</i>	<i>0.0391</i>		<i>95.0</i>	<i>21-167</i>			

LCS (1403112-BS1)

Prepared & Analyzed: 03/15/14

Naphthalene	ND	0.010	mg/kg				66-138			
Benzene	0.0919	0.0020	"	0.0982		93.5	58-130			
Toluene	0.0958	0.0050	"	0.0982		97.5	61-134			
Ethylbenzene	0.100	0.0050	"	0.0982		102	74-139			
m,p-Xylene	0.206	0.010	"	0.196		105	73-137			
o-Xylene	0.0986	0.0050	"	0.0982		100	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0350</i>		<i>"</i>	<i>0.0390</i>		<i>89.6</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0375</i>		<i>"</i>	<i>0.0393</i>		<i>95.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0362</i>		<i>"</i>	<i>0.0393</i>		<i>92.0</i>	<i>21-167</i>			

Matrix Spike (1403112-MS1)

Source: 1403100-01

Prepared & Analyzed: 03/15/14

Naphthalene	ND	0.010	mg/kg		ND		10-158			
Benzene	0.0877	0.0020	"	0.0928	ND	94.5	30-131			
Toluene	0.0952	0.0050	"	0.0928	ND	103	30-134			
Ethylbenzene	0.0970	0.0050	"	0.0928	ND	105	22-153			
m,p-Xylene	0.199	0.010	"	0.186	ND	107	10-159			
o-Xylene	0.0955	0.0050	"	0.0928	ND	103	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0350</i>		<i>"</i>	<i>0.0368</i>		<i>95.0</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0368</i>		<i>"</i>	<i>0.0371</i>		<i>99.1</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0354</i>		<i>"</i>	<i>0.0371</i>		<i>95.4</i>	<i>21-167</i>			

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1403112 - EPA 5030 Soil MS

Matrix Spike Dup (1403112-MSD1)	Source: 1403100-01			Prepared & Analyzed: 03/15/14					
Naphthalene	ND	0.010	mg/kg	ND	ND	10-158			42
Benzene	0.0893	0.0020	"	0.0969	ND	92.2	30-131	1.89	34
Toluene	0.0928	0.0050	"	0.0969	ND	95.8	30-134	2.54	30
Ethylbenzene	0.101	0.0050	"	0.0969	ND	104	22-153	4.13	24
m,p-Xylene	0.206	0.010	"	0.194	ND	106	10-159	3.20	68
o-Xylene	0.0998	0.0050	"	0.0969	ND	103	31-151	4.39	38
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0353</i>		<i>"</i>	<i>0.0385</i>		<i>91.9</i>	<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0344</i>		<i>"</i>	<i>0.0388</i>		<i>88.7</i>	<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0363</i>		<i>"</i>	<i>0.0388</i>		<i>93.7</i>	<i>21-167</i>		

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/17/14 13:05

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

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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 18, 2014

Brandon Bruns

PDC Energy

1775 Sherman St. STE. 3000

Denver, CO 80203

RE: Coors Fee 2,12-6; Coors V6-4,5,6

Enclosed are the results of analyses for samples received by Summit Scientific on 03/17/14 15:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

President / Laboratory Manager



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS09@5'	1403111-01	Soil	03/17/14 12:30	03/17/14 15:45
SS10@5'	1403111-02	Soil	03/17/14 13:15	03/17/14 15:45
SS11@5'	1403111-03	Soil	03/17/14 13:20	03/17/14 15:45
SS12@5'	1403111-04	Soil	03/17/14 13:25	03/17/14 15:45
SS13@5'	1403111-05	Soil	03/17/14 14:30	03/17/14 15:45
SS14@5'	1403111-06	Soil	03/17/14 14:45	03/17/14 15:45
SS15@7'	1403111-07	Soil	03/17/14 14:55	03/17/14 15:45

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

Summit Scientific 1403111
S2

741 Corporate Circle, Suite 188 • Golden, Colorado 80401
303-277-9310 • 303-374-5933

Client: PDC Energy
Address: _____
City/State/Zip: _____
Phone: _____
Fax: _____
Project Name: Coors Fee 2,12-6; Coors V6-3,4,5
Project Number: _____
Sampler Name: Eric Siegel

Project Manager: Brandon Bruns
E-Mail: _____
Page: 1 of 1

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested	Special Instructions	
					HCl	HNO3	Zone	Other (Specify)	Groundwater	Soil	Air-Canister #			Other (Specify)
1	509 0.5'	3/17/14	1230	1			X							
2	510 0.5'		1315	1										
3	511 0.5'		1320	1										
4	512 0.5'		1325	1										
5	513 0.5'		1430	1										
6	514 0.5'		1445	1										
7	515 0.5'		1455	1										
8														
9														
10														

Notes:
Turn Around Time (Check)
Same Day 72 hours
24 hours Standard
48 hours
Sample Integrity: 80
Temperature Upon Receipt: Yes No

Relinquished by: _____ Date/Time: 3/17/14
Received by: _____ Date/Time: 3/17/14 1545
Relinquished by: _____ Date/Time: _____
Received by: _____ Date/Time: _____
Relinquished by: _____ Date/Time: _____
Received by: _____ Date/Time: _____

www.s2scientific.com

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS09@5'
1403111-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		136 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		113 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS10@5'
1403111-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		122 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS11@5'
1403111-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		96.9 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		118 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS12@5'
1403111-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		97.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		126 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS13@5'
1403111-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 14:30**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		120 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS14@5'
1403111-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 14:45**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		125 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

SS15@7'
1403111-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/17/14 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403133	03/17/14	03/17/14	8015M	

Date Sampled: **03/17/14 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/17/14 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	0.010	mg/kg	1	1403132	03/17/14	03/17/14	EPA 8260B	
Benzene	ND	0.0020	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/17/14 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		124 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	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.



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

Project: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
 Project Manager: Brandon Brunns

Reported:
 03/18/14 01:02

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1403133 - EPA 3550A

Blank (1403133-BLK1)				Prepared & Analyzed: 03/17/14							
C10-C28 (DRO)	ND	50	mg/kg								
LCS (1403133-BS1)				Prepared & Analyzed: 03/17/14							
C10-C28 (DRO)	482	50	mg/kg	496		97.2	73-134				
Matrix Spike (1403133-MS1)				Source: 1403114-01		Prepared & Analyzed: 03/17/14					
C10-C28 (DRO)	506	50	mg/kg	489	ND	103	50-148				
Matrix Spike Dup (1403133-MSD1)				Source: 1403114-01		Prepared & Analyzed: 03/17/14					
C10-C28 (DRO)	497	50	mg/kg	488	ND	102	50-148	1.80		13	

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Brunns

Reported:
03/18/14 01:02

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 1403132 - EPA 5030 Soil MS

Blank (1403132-BLK1)

Prepared & Analyzed: 03/17/14

Naphthalene	ND	0.010	mg/kg							
Benzene	ND	0.0020	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0458</i>		<i>"</i>	<i>0.0396</i>		<i>116</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0404</i>		<i>"</i>	<i>0.0399</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0439</i>		<i>"</i>	<i>0.0399</i>		<i>110</i>	<i>21-167</i>			

LCS (1403132-BS1)

Prepared & Analyzed: 03/17/14

Naphthalene	ND	0.010	mg/kg				66-138			
Benzene	0.0910	0.0020	"	0.0929		97.9	58-130			
Toluene	0.104	0.0050	"	0.0929		112	61-134			
Ethylbenzene	0.126	0.0050	"	0.0929		136	74-139			
m,p-Xylene	0.242	0.010	"	0.186		130	73-137			
o-Xylene	0.104	0.0050	"	0.0929		112	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0413</i>		<i>"</i>	<i>0.0369</i>		<i>112</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0386</i>		<i>"</i>	<i>0.0372</i>		<i>104</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0372</i>		<i>105</i>	<i>21-167</i>			

Matrix Spike (1403132-MS1)

Source: 1403114-01

Prepared & Analyzed: 03/17/14

Naphthalene	ND	0.010	mg/kg		ND		10-158			
Benzene	0.0911	0.0020	"	0.0958	ND	95.1	30-131			
Toluene	0.0936	0.0050	"	0.0958	ND	97.8	30-134			
Ethylbenzene	0.0990	0.0050	"	0.0958	ND	103	22-153			
m,p-Xylene	0.204	0.010	"	0.192	ND	106	10-159			
o-Xylene	0.0991	0.0050	"	0.0958	ND	103	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0363</i>		<i>"</i>	<i>0.0380</i>		<i>95.4</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0354</i>		<i>"</i>	<i>0.0383</i>		<i>92.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0362</i>		<i>"</i>	<i>0.0383</i>		<i>94.5</i>	<i>21-167</i>			

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
 Project Manager: Brandon Brunns

Reported:
 03/18/14 01:02

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1403132 - EPA 5030 Soil MS

Matrix Spike Dup (1403132-MSD1)	Source: 1403114-01			Prepared & Analyzed: 03/17/14						
Naphthalene	ND	0.010	mg/kg	ND	ND	10-158			42	
Benzene	0.0904	0.0020	"	0.0965	ND	93.7	30-131	0.788	34	
Toluene	0.0980	0.0050	"	0.0965	ND	101	30-134	4.50	30	
Ethylbenzene	0.100	0.0050	"	0.0965	ND	104	22-153	1.43	24	
m,p-Xylene	0.206	0.010	"	0.193	ND	107	10-159	1.23	68	
o-Xylene	0.101	0.0050	"	0.0965	ND	105	31-151	1.81	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0366</i>		<i>"</i>	<i>0.0383</i>		<i>95.4</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0379</i>		<i>"</i>	<i>0.0386</i>		<i>98.2</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0370</i>		<i>"</i>	<i>0.0386</i>		<i>95.8</i>	<i>21-167</i>			

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: Coors Fee 2,12-6; Coors V6-4,5,6

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/18/14 01:02

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

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.