

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' or 'Shrewsbury', written in a cursive style.

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

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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

Summit Scientific
S₂
1403100

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

Client: PDC/Tasman
Address: _____
City/State/Zip: _____
Phone: _____
Fax: _____
Project Manager: Brandon Bruns
E-Mail: _____
Page 1 of 1

Project Name: Coors Fee 2,12-6; Coors V6-4,5,6
Project Number: _____
Sampler Name: Eric Siegel

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested		Special Instructions	
					HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)			
1	SS01e14'	3/14/14	0920	1			X								
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: _____ Date/Time: 3/14/14 Received by: _____ Date/Time: 3/14/14 1715
Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____
Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

Turn Around Time (Check): 72 hours ☒ Same Day ☐ 24 hours ☐ 48 hours ☐
Sample Integrity: ☒ Temperature Upon Receipt: ☒ Intact: ☒ Yes ☐ No

Notes: _____

www.s2scientific.com

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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: o-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

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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

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: o-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		"	"	"	"	

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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

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: o-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		"	"	"	"	

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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

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: o-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		"	"	"	"	

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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

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: o-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

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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

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		"	"	"	"	

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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

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: o-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		"	"	"	"	

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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

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: o-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		"	"	"	"	

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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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

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

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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	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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		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	
Surrogate: 1,2-Dichloroethane-d4		0.0353	"	0.0385		91.9	23-173			
Surrogate: Toluene-d8		0.0344	"	0.0388		88.7	20-170			
Surrogate: 4-Bromofluorobenzene		0.0363	"	0.0388		93.7	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

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

A handwritten signature in black ink, appearing to be 'JMM'.

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' or 'Shrewsbury', written in a cursive style.

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 403111
S2
741 Corporate Circle, Suite 100 • Golden, Colorado 80401
303-277-9310 • 303-374-5933

Client: PDC Energy
Address: _____
City/State/Zip: _____
Phone: _____
Fax: _____
Project Manager: Brandon Bruns
E-Mail: _____

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

Sampler Name: Eric Siegel

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	5609 0.5'	3/17/14	1230	1									
2	5510 0.5'		1315	1									
3	5511 0.5'		1320	1									
4	5512 0.5'		1325	1									
5	5513 0.5'		1430	1									
6	5514 0.5'		1445	1									
7	5515 0.5'		1455	1									
8													
9													
10													

Relinquished by: _____ Date/Time: 3/17/14
Received by: _____ Date/Time: 3/17/14 1545
Turn Around Time (Check): Same Day ☒ 72 hours ☐ 24 hours ☐ Standard ☐
Sample Integrity: 80 ☒ Yes ☐ No
Temperature Upon Receipt: 80 ☒ Intact: ☒ Yes ☐ No

Notes: _____

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 Brunns

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: o-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 Brunns

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: o-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 Brunns

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: o-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 Brunns

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: o-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 Brunns

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: o-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 Brunns

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: o-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 Brunns

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: o-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 Bruns

Reported:
03/18/14 01:02

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

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

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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

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

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

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0458		"	0.0396	116	23-173				
Surrogate: Toluene-d8	0.0404		"	0.0399	101	20-170				
Surrogate: 4-Bromofluorobenzene	0.0439		"	0.0399	110	21-167				

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				
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0369	112	23-173				
Surrogate: Toluene-d8	0.0386		"	0.0372	104	20-170				
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0372	105	21-167				

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			
Surrogate: 1,2-Dichloroethane-d4	0.0363		"	0.0380	95.4	23-173				
Surrogate: Toluene-d8	0.0354		"	0.0383	92.3	20-170				
Surrogate: 4-Bromofluorobenzene	0.0362		"	0.0383	94.5	21-167				

Summit Scientific

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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	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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		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	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0366		"	0.0383		95.4	23-173			
Surrogate: Toluene-d8	0.0379		"	0.0386		98.2	20-170			
Surrogate: 4-Bromofluorobenzene	0.0370		"	0.0386		95.8	21-167			

Summit Scientific

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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

A handwritten signature in black ink, appearing to be 'JMM'.