

PDC Energy, Inc.
First Quarter 2018 Groundwater Monitoring Summary

April 20, 2018

Former J&L Farms 14, 24-29 Tank Battery
SWSW Section 29 T6N R63W
Spill Point ID # 451446
Remediation # 10537

This groundwater monitoring summary has been prepared by Tasman Geosciences, Inc. for the former J&L Farms 14, 24-29 tank battery. On March 22, 2018, three monitoring wells (BH07 – BH09) were installed to delineate the extent of dissolved phase hydrocarbons down-gradient of monitoring well BH05 per the conditions of approval (COA) issued by the COGCC on February 6, 2018. On March 28, 2018, groundwater monitoring was conducted at all nine monitoring well locations (BH01 – BH09). Nine groundwater samples were submitted to Summit Scientific Laboratory for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260B. Analytical results are summarized in Table 1 and the laboratory report is included as Attachment A. Sample locations and corresponding analytical results are illustrated on Figure 1. First quarter 2018 analytical results indicate that the benzene concentration is above the applicable COGCC Table 910-1 groundwater standard in monitoring well BH06. BTEX concentrations are below applicable regulatory standards in monitoring wells BH01 - BH05, and BH07 – BH09.

Monitored natural attenuation (MNA) was selected as the remediation strategy for this site during the fourth quarter 2017 and will remain as the selected remediation strategy through the second quarter 2018.

Second quarter 2018 groundwater sampling will be conducted during June 2018.





TABLE 1
FORMER J&L FARMS 14, 24-29 TANK BATTERY
GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water ⁽²⁾ (feet)
COGCC Table 910-1 Groundwater Standard (µg/L) ⁽¹⁾		5	560	700	1,400	
GW01	8/31/2017	6.4	<1.0	<1.0	<2.0	~ 18
GW02	9/5/2017	60	3.4	2.2	170	~ 18
BH01	12/13/2017	<1.0	<1.0	<1.0	<2.0	16.91
BH01	3/28/2018	<1.0	<1.0	<1.0	<2.0	17.94
BH02	12/13/2017	<1.0	<1.0	<1.0	<2.0	17.91
BH02	3/28/2018	<1.0	<1.0	<1.0	<2.0	18.61
BH03	12/13/2017	<1.0	<1.0	<1.0	<2.0	16.93
BH03	3/28/2018	<1.0	<1.0	<1.0	<2.0	17.79
BH04	12/13/2017	<1.0	<1.0	<1.0	<2.0	16.78
BH04	3/28/2018	<1.0	<1.0	<1.0	<2.0	17.63
BH05	12/13/2017	67	<1.0	260	300	17.44
BH05	3/28/2018	<1.0	<1.0	<1.0	<2.0	18.31
BH06 ⁽³⁾	12/13/2017	490	540	600	2,700	17.26
BH06 ⁽³⁾	3/28/2018	250	48	220	1,200	18.11
BH07	3/28/2018	<1.0	<1.0	<1.0	<2.0	17.75
BH08	3/28/2018	<1.0	<1.0	<1.0	<2.0	18.67
BH09	3/28/2018	<1.0	<1.0	<1.0	<2.0	18.52

Notes:

1. Groundwater standards referenced from 2 CCR 404-1, Table 910-1, effective January 30, 2015.
2. Depth to water measurements were measured from top of casing or ground surface for monitoring well samples and excavation samples respectively. Subsequent monitoring well measurements were collected from top of casing and adjusted using survey data and product thickness to reflect depth of water from ground surface.
3. Sheen observed on groundwater.

COGCC = Colorado Oil and Gas Conservation Commission

µg/L = Micrograms per liter

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

BOLD = Analytical result is in exceedance of COGCC groundwater standards.

ATTACHMENT A

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

April 15, 2018

Mark Longhurst
PDC Energy
1775 Sherman St. STE. 3000
Denver, CO 80203
RE: J&L Farms 14, 24-29

Enclosed are the results of analyses for samples received by Summit Scientific on 03/28/18 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'P. Shrewsbury', written in a cursive style.

Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01	1804232-01	Water	03/28/18 14:40	03/28/18 17:30
BH02	1804232-02	Water	03/28/18 14:50	03/28/18 17:30
BH03	1804232-03	Water	03/28/18 14:35	03/28/18 17:30
BH04	1804232-04	Water	03/28/18 15:05	03/28/18 17:30
BH05	1804232-05	Water	03/28/18 15:25	03/28/18 17:30
BH06	1804232-06	Water	03/28/18 15:15	03/28/18 17:30
BH07	1804232-07	Water	03/28/18 15:20	03/28/18 17:30
BH08	1804232-08	Water	03/28/18 15:07	03/28/18 17:30
BH09	1804232-09	Water	03/28/18 14:48	03/28/18 17:30

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

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741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: PDC Energy
Address: _____
City/State/Zip: _____
Phone: _____ Fax: _____
Sampler Name: Brake Nelson

Project Manager: Mark Longhurst
E-Mail: _____
Project Name: S&L Farms 14, 24-29
Project Number: _____

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:										Special Instructions				
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)														
BH01	3/28/18	1440	3			X		X				X BTEX 8266													
BH02		1450	3			X		X				X													
BH03		1435	3			X		X				X													
BH04		1505	3			X		X				X													
BH05		1525	3			X		X				X													
BH06		1515	3			X		X				X													
BH07		1520	3			X		X				X													
BH08		1507	2			X		X				X													
BH09		1448	3			X		X				X													

Relinquished by: <u>[Signature]</u>	Date/Time: <u>3/28/18 1730</u>	Received by: <u>[Signature]</u>	Date/Time: <u>3-28-18 17:30</u>	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>3.2</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:		

Sample Receipt Checklist

S2 Work Order: 388

Client: PDC

Client Project ID: J+L Farms 14, 24-29

Shipped Via: P.U. Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Temp (°C)	2.3
-----------	-----

Thermometer ID: 61857155-K

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

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

Muri
Custodian Printed Name or Initials

3-28-18
Signature of Custodian

18:06
Date/Time



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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH01
1804232-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		79.8 %	37-154		"	"	04/04/18	"	
Surrogate: Toluene-d8		88.7 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.9 %	45-146		"	"	"	"	

Summit Scientific

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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH02
1804232-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		81.9 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.4 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	45-146		"	"	"	"	

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Denver CO, 80203

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH03
1804232-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.0 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		87.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	45-146		"	"	"	"	

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Denver CO, 80203

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH04
1804232-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.2 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.6 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	45-146		"	"	"	"	

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Denver CO, 80203

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH05
1804232-05 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.4 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		90.0 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	45-146		"	"	"	"	

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Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH06
1804232-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	250	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	48	1.0	"	"	"	"	"	"	
Ethylbenzene	220	1.0	"	"	"	"	"	"	
Xylenes (total)	1200	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.1 %	45-146		"	"	"	"	

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PDC Energy
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Denver CO, 80203

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH07
1804232-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		87.7 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.1 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.6 %	45-146		"	"	"	"	

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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH08
1804232-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 15:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 15:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		88.1 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.9 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.1 %	45-146		"	"	04/05/18	"	

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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

BH09
1804232-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/28/18 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804092	04/04/18	04/06/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/28/18 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		80.5 %	37-154		"	"	04/05/18	"	
Surrogate: Toluene-d8		89.2 %	45-149		"	"	04/06/18	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	45-146		"	"	"	"	

Summit Scientific

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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

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 1804092 - EPA 5030 Water MS

Blank (1804092-BLK1)

Prepared & Analyzed: 04/04/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.2		86.9	37-154			
Surrogate: Toluene-d8	12.1		"	13.3		90.5	45-149			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.9	45-146			

LCS (1804092-BS1)

Prepared & Analyzed: 04/04/18

Benzene	30.3	1.0	ug/l	33.3		90.8	60.1-131			
Toluene	33.4	1.0	"	33.3		100	65.9-127			
Ethylbenzene	38.1	1.0	"	33.3		114	65.1-129			
m,p-Xylene	78.1	2.0	"	66.7		117	66.8-127			
o-Xylene	37.8	1.0	"	33.3		113	61.2-120			
Surrogate: 1,2-Dichloroethane-d4	11.6		"	13.2		88.0	37-154			
Surrogate: Toluene-d8	12.2		"	13.3		91.1	45-149			
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3		92.7	45-146			

Matrix Spike (1804092-MS1)

Source: 1804231-07

Prepared & Analyzed: 04/04/18

Benzene	31.0	1.0	ug/l	33.3	ND	92.9	52.7-130			
Toluene	34.1	1.0	"	33.3	ND	102	57-127			
Ethylbenzene	38.9	1.0	"	33.3	ND	117	59.2-127			
m,p-Xylene	80.0	2.0	"	66.7	ND	120	53.2-132			
o-Xylene	38.2	1.0	"	33.3	ND	115	56.3-117			
Surrogate: 1,2-Dichloroethane-d4	11.9		"	13.2		89.9	37-154			
Surrogate: Toluene-d8	12.3		"	13.3		92.0	45-149			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.4	45-146			

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

Project: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

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 1804092 - EPA 5030 Water MS

Matrix Spike Dup (1804092-MSD1)		Source: 1804231-07			Prepared & Analyzed: 04/04/18					
Benzene	30.4	1.0	ug/l	33.3	ND	91.4	52.7-130	1.69	19.3	
Toluene	33.6	1.0	"	33.3	ND	101	57-127	1.62	18.7	
Ethylbenzene	38.3	1.0	"	33.3	ND	115	59.2-127	1.68	30	
m,p-Xylene	78.5	2.0	"	66.7	ND	118	53.2-132	1.93	30	
o-Xylene	38.1	1.0	"	33.3	ND	114	56.3-117	0.157	30	
Surrogate: 1,2-Dichloroethane-d4	11.9		"	13.2		89.9	37-154			
Surrogate: Toluene-d8	11.9		"	13.3		89.6	45-149			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.8	45-146			

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: J&L Farms 14, 24-29

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/15/18 16:50

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