

# Summit Scientific

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July 16, 2015

Matt Pickett  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Nelson Milton

Enclosed are the results of analyses for samples received by Summit Scientific on 07/15/15 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Paul Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury  
President



DCP Midstream  
370 17th Street #2500  
Denver CO, 80202

Project: Nelson Milton

Project Number: [none]  
Project Manager: Matt Pickett

**Reported:**  
07/16/15 07:06

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01	1507160-01	Soil	07/15/15 08:25	07/15/15 14:00
SS02	1507160-02	Soil	07/15/15 09:45	07/15/15 14:00
SS03	1507160-03	Soil	07/15/15 11:30	07/15/15 14:00
SS04	1507160-04	Soil	07/15/15 11:45	07/15/15 14:00
SS05	1507160-05	Soil	07/15/15 11:55	07/15/15 14:00

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DCP Midstream  
370 17th Street #2500  
Denver CO, 80202

Project: Nelson Milton

Project Number: [none]  
Project Manager: Matt Pickett

**Reported:**  
07/16/15 07:06

**SS01**  
**1507160-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: 07/15/15 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1507179	07/15/15	07/15/15	8015M	

Date Sampled: 07/15/15 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		109 %	30-150		"	"	"	"	

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

Date Sampled: 07/15/15 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1507178	07/15/15	07/15/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 07/15/15 08:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.3 %	21-167		"	"	"	"	

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**Reported:**  
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**SS02**  
**1507160-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: 07/15/15 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1507179	07/15/15	07/15/15	8015M	

Date Sampled: 07/15/15 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		109 %	30-150		"	"	"	"	

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

Date Sampled: 07/15/15 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0018	mg/kg	1	1507178	07/15/15	07/15/15	EPA 8260B	
Toluene	ND	0.0045	"	"	"	"	"	"	
Ethylbenzene	ND	0.0045	"	"	"	"	"	"	
Xylenes (total)	ND	0.0045	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.45	"	"	"	"	"	"	

Date Sampled: 07/15/15 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	21-167		"	"	"	"	

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**SS03**  
**1507160-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: 07/15/15 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1507179	07/15/15	07/15/15	8015M	

Date Sampled: 07/15/15 11:30

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: 07/15/15 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1507178	07/15/15	07/15/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.78</b>	<b>0.50</b>	"	"	"	"	"	"	

Date Sampled: 07/15/15 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	21-167		"	"	"	"	

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**SS04**  
**1507160-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: 07/15/15 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>840</b>	50	mg/kg	1	1507179	07/15/15	07/15/15	8015M	

Date Sampled: 07/15/15 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		119 %	30-150		"	"	"	"	

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

Date Sampled: 07/15/15 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1507178	07/15/15	07/15/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1.1</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>77</b>	0.50	"	"	"	"	"	"	

Date Sampled: 07/15/15 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		130 %	21-167		"	"	"	"	

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**SS05**  
**1507160-05 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: 07/15/15 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>59</b>	50	mg/kg	1	1507179	07/15/15	07/15/15	8015M	

Date Sampled: 07/15/15 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		99.7 %	30-150		"	"	"	"	

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

Date Sampled: 07/15/15 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1507178	07/15/15	07/15/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>2.1</b>	0.50	"	"	"	"	"	"	

Date Sampled: 07/15/15 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.8 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.3 %	21-167		"	"	"	"	

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

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

**Batch 1507179 - EPA 3550A**

**Blank (1507179-BLK1)**

Prepared & Analyzed: 07/15/15

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	<i>13.6</i>		"	<i>12.2</i>		<i>112</i>		<i>30-150</i>			

**LCS (1507179-BS1)**

Prepared & Analyzed: 07/15/15

C10-C28 (DRO)	493	50	mg/kg	501		98.3		73-134			
<i>Surrogate: o-Terphenyl</i>	<i>13.1</i>		"	<i>12.2</i>		<i>108</i>		<i>30-150</i>			

**Matrix Spike (1507179-MS1)**

Source: 1507160-01

Prepared & Analyzed: 07/15/15

C10-C28 (DRO)	436	50	mg/kg	443	20.8	93.9		50-148			
<i>Surrogate: o-Terphenyl</i>	<i>11.4</i>		"	<i>10.8</i>		<i>106</i>		<i>30-150</i>			

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07/16/15 07:06

**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 1507178 - EPA 5030 Soil MS**

**Blank (1507178-BLK1)**

Prepared & Analyzed: 07/15/15

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0393</i>		"	<i>0.0396</i>		<i>99.3</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0386</i>		"	<i>0.0400</i>		<i>96.4</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0396</i>		"	<i>0.0400</i>		<i>99.1</i>	<i>21-167</i>			

**LCS (1507178-BS1)**

Prepared & Analyzed: 07/15/15

Benzene	0.107	0.0020	mg/kg	0.100		107	58-130			
Toluene	0.117	0.0050	"	0.100		117	61-134			
Ethylbenzene	0.141	0.0050	"	0.0992		142	74-139			
m,p-Xylene	0.288	0.010	"	0.200		144	73-137			
o-Xylene	0.142	0.0050	"	0.0984		145	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0403</i>		"	<i>0.0396</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0391</i>		"	<i>0.0400</i>		<i>97.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0391</i>		"	<i>0.0400</i>		<i>97.7</i>	<i>21-167</i>			

**Matrix Spike (1507178-MS1)**

Source: 1507160-01

Prepared & Analyzed: 07/15/15

Benzene	0.101	0.0020	mg/kg	0.0928	ND	109	30-131			
Toluene	0.112	0.0050	"	0.0928	ND	121	30-134			
Ethylbenzene	0.132	0.0050	"	0.0920	ND	143	22-153			
m,p-Xylene	0.270	0.010	"	0.185	ND	146	10-159			
o-Xylene	0.135	0.0050	"	0.0913	ND	148	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0387</i>		"	<i>0.0367</i>		<i>105</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0363</i>		"	<i>0.0371</i>		<i>97.9</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0356</i>		"	<i>0.0371</i>		<i>96.1</i>	<i>21-167</i>			

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**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 1507178 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1507178-MSD1)</b>	<b>Source: 1507160-01</b>			<b>Prepared &amp; Analyzed: 07/15/15</b>						
Benzene	0.108	0.0020	mg/kg	0.0988	ND	109	30-131	7.09	34	
Toluene	0.120	0.0050	"	0.0988	ND	122	30-134	7.06	30	
Ethylbenzene	0.139	0.0050	"	0.0980	ND	142	22-153	5.40	24	
m,p-Xylene	0.288	0.010	"	0.197	ND	146	10-159	6.46	68	
o-Xylene	0.141	0.0050	"	0.0972	ND	145	31-151	4.34	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0417</i>		<i>"</i>	<i>0.0391</i>		<i>107</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0393</i>		<i>"</i>	<i>0.0395</i>		<i>99.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0391</i>		<i>"</i>	<i>0.0395</i>		<i>98.9</i>	<i>21-167</i>			

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07/16/15 07:06

### 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