

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax 894-2109



FOR OGCC USE ONLY

REM 9251  
Received 8/20/2015  
Document 200437203  
Form 27 submitted

**SITE INVESTIGATION AND REMEDIATION WORKPLAN**

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee:

Spill  Complaint  
 Inspection  NOAV

Tracking No:

**CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED**

Spill or Release  Plug & Abandon  Central Facility Closure  Site/Facility Closure  Other (describe):

**GENERAL INFORMATION**

<b>OGCC Operator Number:</b> 4680		Contact Name and Telephone	
Name of Operator: DCP Midstream LP		Name: Steve Weathers	
Address: 370 17th Street, Suite 2500		No: (303) 595-3331	
City: Denver State: CO Zip: 80202		Fax:	
API/Facility No:	County: Weld		
Facility Name:	Facility Number: 441725		
Well Name:	Well Number:		
Location (QtrQtr, Sec, Twp, Rng, Meridian): NESE S31 T7N R65W		Latitude: 40.528161	Longitude: -104.696969

**TECHNICAL CONDITIONS**

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Condensate

Site Conditions: Is location within a sensitive area (according to Rule 901e)?  Y  N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Residential, Cultivated

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Aquolls and Aquepts, flooded

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface water is located approximately 7,900' southeast of the release point, residential buildings are approximately 65' west, and a permitted domestic well is located approximately 1,000' southwest.

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	Refer to the attached Figure 2 and Table 1	Soil sampling
<input type="checkbox"/> Vegetation		
<input checked="" type="checkbox"/> Groundwater	Refer to the attached Figures 4 & 5 and Table 2	Groundwater sampling
<input type="checkbox"/> Surface water		

**REMEDIATION WORKPLAN**

Describe initial action taken (if previously provided, refer to that form or document):

A Form 19 was previously submitted and the COGCC has issued a spill tracking facility ID of 441725 for the site. A topographic map of the site is included as Figure 1.

Describe how source is to be removed:

Impacted soil excavation activities were conducted to remove surface and subsurface soil impacts. Approximately 1,140 cubic yards of impacted soil within the source area was excavated, transported, and disposed of at the Waste Management Facility in Ault, CO. Additionally, approximately 375 barrels of groundwater was removed from the excavation with a vacuum truck prior to backfilling activities. Impacted soil remains in place in the upgradient area to the east of the release point (Figure 2). Remaining soil and groundwater impacts will be addressed as described in the Section below.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Based on soil and groundwater samples that were collected between May 28 and June 15, 2015 (Figure 2), impacted soils within the source and downgradient areas towards potential receptors have been removed. Soil sample analytical results are summarized in Table 1 and the laboratory analytical reports are included as Attachment A. Impacted soil remains on-Site upgradient and east of the release point in the vicinity of underground and overhead utilities (Figure 2). During excavation activities, groundwater infiltrated into the excavation and groundwater removal activities were conducted as described in the Section above. A groundwater sample (GW01) was collected on June 3, 2015 from within the excavation and the analytical result indicated that benzene was above the Colorado Oil and Gas Conservation Commission (COGCC) standard with a detected concentration of 1,600 micrograms per liter (µg/L). Groundwater laboratory analytical results are summarized in Table 2 and laboratory reports are provided in Attachment A. Prior to backfilling the excavation, DCP installed two (2) horizontal perforated remediation wells within the water bearing zone of the excavation near the release point as illustrated on Figure 3. Additionally, DCP installed 2 vertical vacuum enhanced fluid recovery (EFR) and 2 air sparge (AS) remediation wells within the excavation area as illustrated on Figure 3. The EFR and AS remediation wells and conveyance lines were installed below grade and daylighted near the access road to the east of the private residences located at 940 E. 3rd St. and 301 Hickory St. in Eaton, CO (Residences). The EFR/AS remediation wells were installed with this configuration in order to facilitate access to the source area for groundwater remediation while limiting the disturbance to the Residences back yards. DCP also installed five (5) groundwater monitoring wells at the Site as illustrated on Figure 3. Based on groundwater gauging activities that were conducted on June 11, 2015, groundwater flow is toward the northwest as illustrated on Figure 4. A Site wide groundwater sampling event was conducted on June 11, 2015, however, due to slow recharge of groundwater into monitoring well BH03, the well was sampled on June 15, 2015 after a sufficient volume of groundwater was present within the well. Laboratory analytical results indicate that benzene is above the Colorado Oil and Gas Conservation Commission (COGCC) standard at monitoring well BH03 with a detected concentration of 2,600 µg/L. The analytical results for the remaining wells were below COGCC standards as illustrated on Figure 5. The groundwater analytical results are summarized on Table 2 and the laboratory analytical reports are included in Attachment A. Between June 4 and July 2, 2015, a petroleum hydrocarbon vapor intrusion investigation (VII) was conducted at the Residences. Based on the results of the indoor air sampling events, it appears that petroleum hydrocarbon vapor intrusion from impacted groundwater is not occurring at the Residences. The detected Benzene concentrations from the basements and main levels of the Residences, as summarized in the Tables in Attachment B, are within typical background ranges for these compounds based on studies summarized by EPA (2011), and are indicative of monitored contribution of BTEX in those areas from sources located in the garages of the Residences. As illustrated in the BTEX Ratio Plots in Attachment B, the relative concentrations or ratios of BTEX in the outdoor, basement, and main floor samples are very similar to the ratios from the garage samples which had much higher concentrations. However, they are distinctly different to the predicted soil vapor concentration ratios. This is a strong indicator that vapor intrusion from impacted groundwater is not occurring and that the BTEX levels observed in the basement and main floor vapor samples are due to infiltration of air from the garages. The laboratory analytical reports for the indoor and background air samples are included in Attachment B. Moving forward, DCP will continue Site assessment, investigation, and remediation activities which include the following: 1) point of compliance groundwater monitoring well installation as illustrated on Figure 6; 2) Impacted soil excavation activities in the upgradient area to the east of the utility area as illustrated on Figure 6; 3) install up to six (6) upgradient groundwater monitoring/remediation wells subsequent to and contingent on the results of the upgradient soil excavation and investigation activities; 4) Initiate weekly mobile EFR/AS remediation activities utilizing the horizontal remediation wells and the vertical EFR/AS wells that have been installed at the Site; 5) Conduct quarterly groundwater monitoring activities at the Site monitoring wells, and; 6) Contingent on approval from the Residences, perform sub-slab vapor sampling investigation activities to compare sub-slab vapor to the indoor air results that were observed.

State of Colorado Oil and Gas Conservation Commission

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REMEDIATION WORKPLAN (CONT.)

OGCC Employee: \_\_\_\_\_

Tracking Number: \_\_\_\_\_ Name of Operator: DCP Midstream LP OGCC Operator No: 4680 Received Date: \_\_\_\_\_ Well Name & No: \_\_\_\_\_ Facility Name & No.: 441725

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.): DCP Midstream LP will gauge and sample the existing and proposed monitoring/remediation wells on a quarterly basis to assess the dissolved phase petroleum hydrocarbon impacts in groundwater. Groundwater samples will be submitted for laboratory analysis of BTEX constituents using USEPA Method 8260.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required. The area where the excavation was located has been backfilled and compacted with clean material and landscaping activities were conducted between July 8 and August 4, 2015 and have been completed to the homeowner's satisfaction to match pre-existing conditions. The small portion of the county road right-of-way has also been backfilled and compacted to match pre-existing conditions.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing. Is further site investigation required? [X] Y [ ] N If yes, describe: The excavation extent and the soil and groundwater (GW01) sample locations are illustrated on Figure 2. The location of the existing monitoring and remediation wells are illustrated on Figure 3. A groundwater elevation contour map is included as Figure 4 and the groundwater analytical results from the sampled monitoring wells are illustrated on Figure 5. The proposed point of compliance monitoring wells and anticipated upgradient soil excavation area are illustrated on Figure 6. The soil analytical results are summarized on Table 1 and the groundwater analytical results are summarized on Table 2. Laboratory analytical reports are included in Attachment A. Indoor air sampling analytical results are included in Attachment B.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.): E&P waste that was generated from excavation activities was transported and disposed of at the Waste Management Facility in Ault, Colorado

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 5/5/2015 Date Site Investigation Completed: \_\_\_\_\_ Remediation Plan Submitted: \_\_\_\_\_ Remediation Start Date: \_\_\_\_\_ Anticipated Completion Date: \_\_\_\_\_ Actual Completion Date: \_\_\_\_\_

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: \_\_\_\_\_

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

## TABLES



**TABLE 2**  
**DCP MIDSTREAM - EATON COMMONS RELEASE**  
**GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
GW01	6/3/2015	<b>1,600</b>	35	43	46
BH01	6/11/2015	<1.0	<1.0	<1.0	<1.0
BH02	6/11/2015	<1.0	4.3	2.7	14
BH03	6/15/2015	<b>2,600</b>	1.2	14	70
BH04	6/11/2015	<1.0	<1.0	<1.0	<1.0
BH05	6/11/2015	<1.0	<1.0	<1.0	<1.0
<b>COGCC standards for Groundwater (µg/L) <sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>

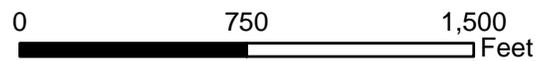
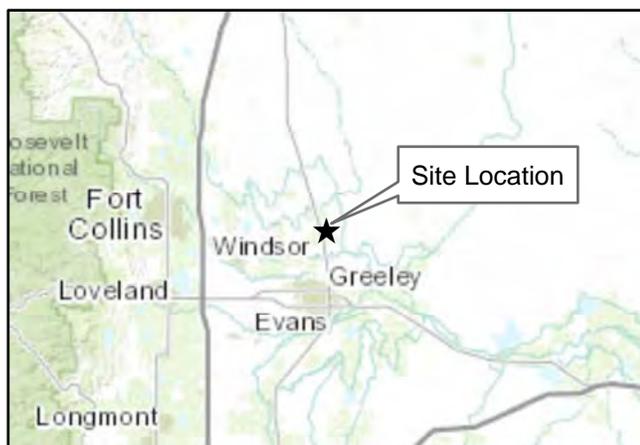
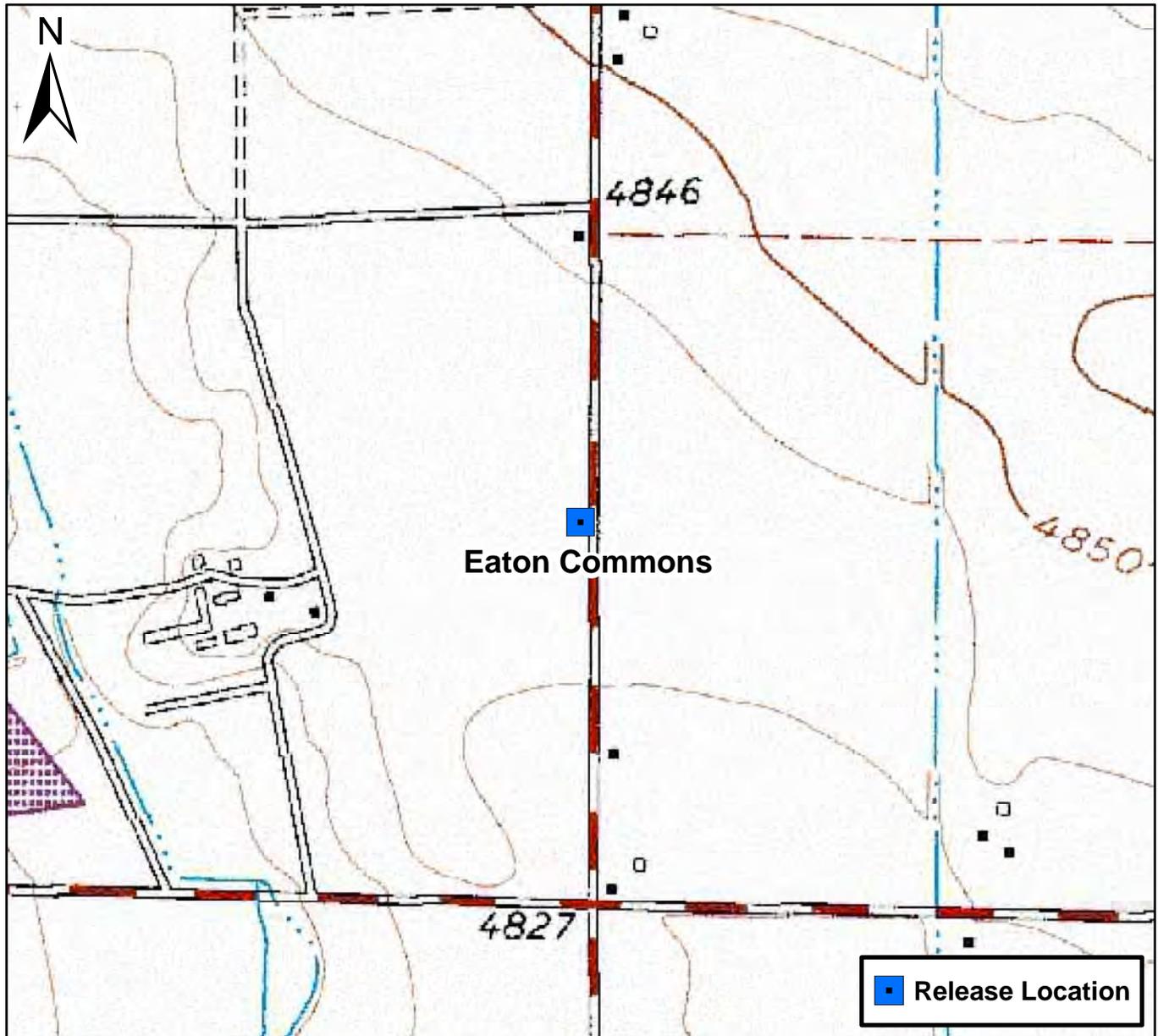
Notes:

1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 910-1 of the COGCC 900 Series Rule for E&P Waste Management.

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

µg/L= Micrograms per liter.

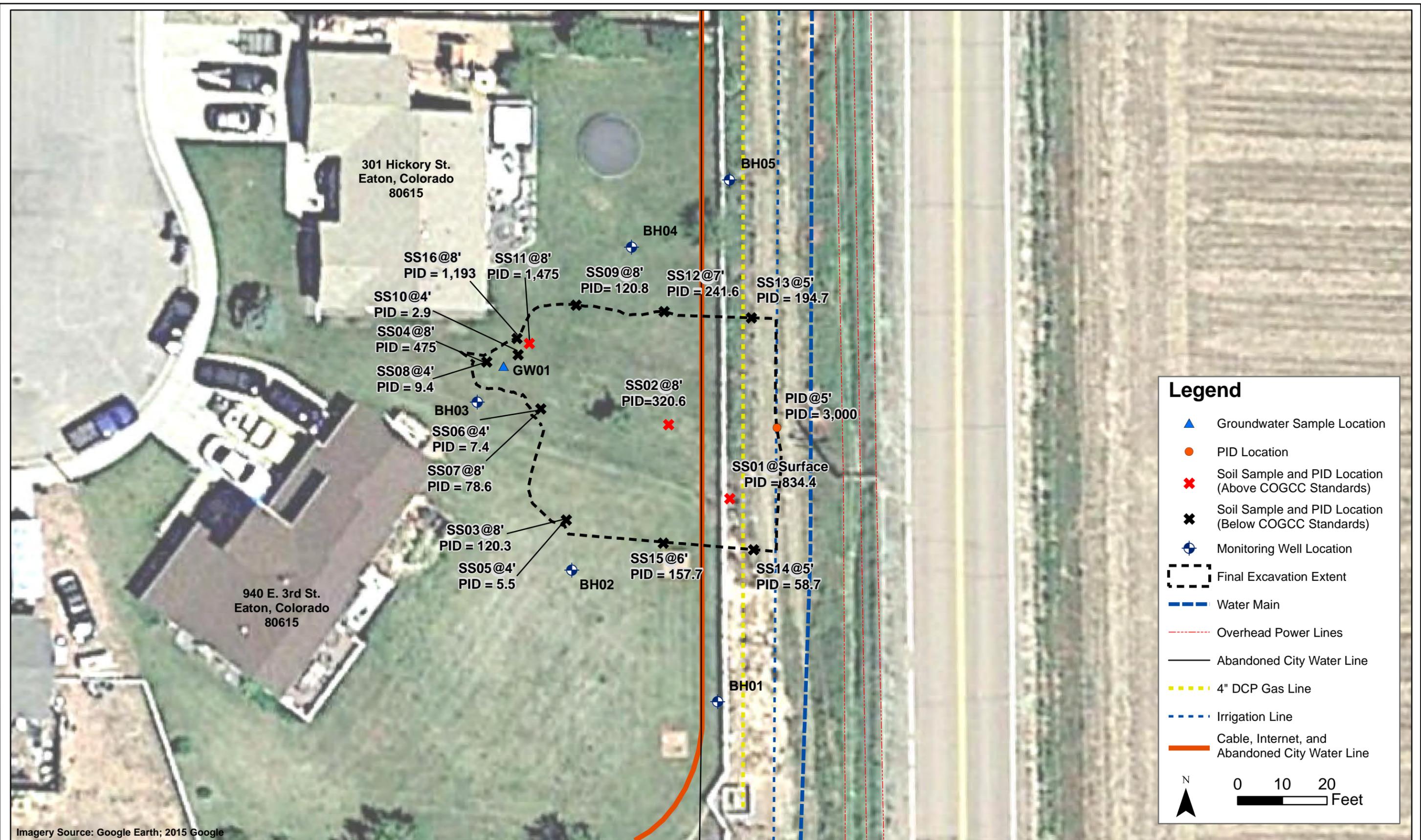
## FIGURES



### Figure 1

Site Location Map  
 Eaton Commons  
 NESE S31 T7N R65W  
 Weld County, Colorado





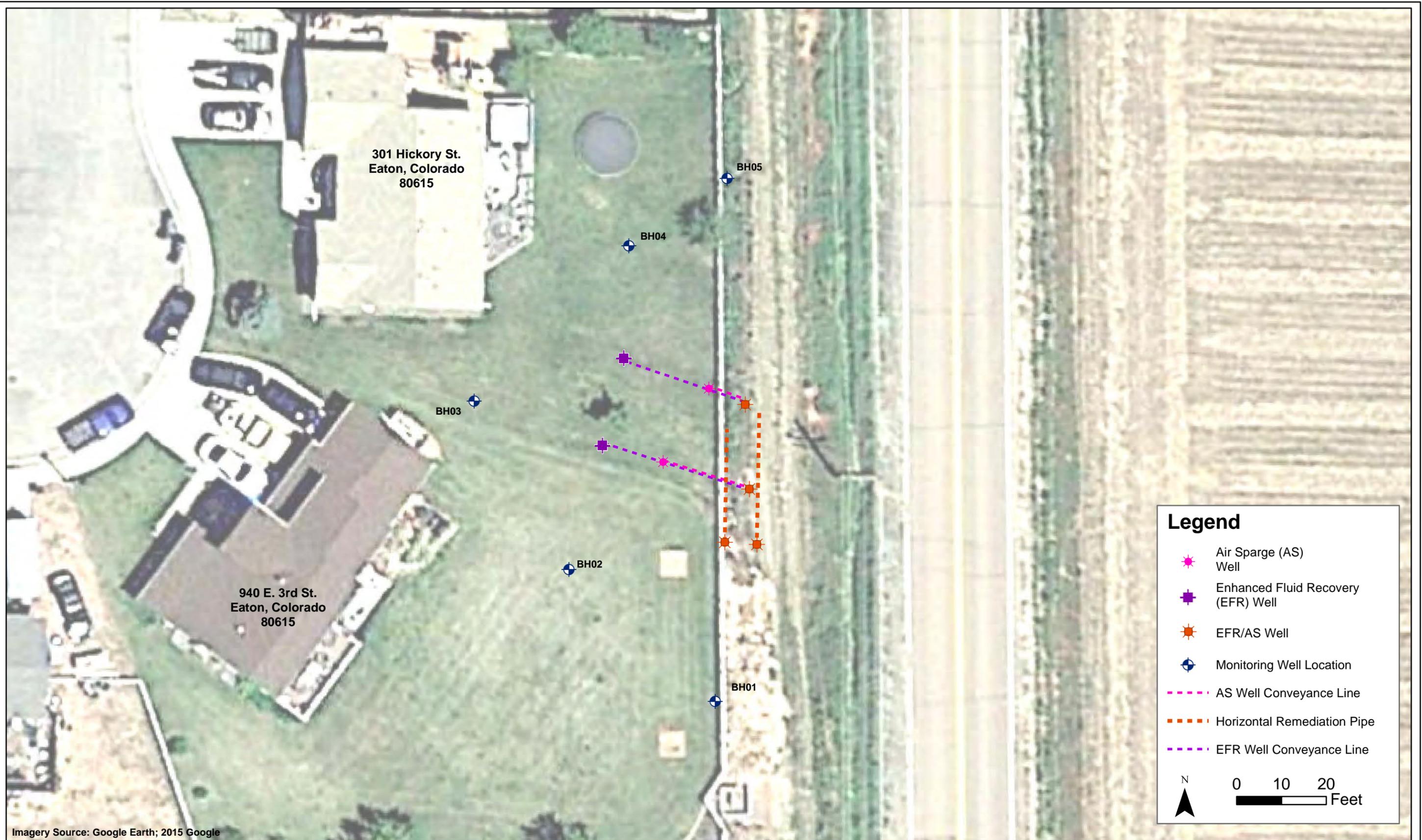
DATE: June 2015  
 DESIGNED BY: B. Humphrey  
 DRAWN BY: D. Arnold



**DCP Midstream  
 Eaton Commons**  
 NESE Section 31, Township 7 North, Range 65 West  
 Weld County, Colorado

Site Overview  
 Map

Figure  
 2



DATE:  
July 2015

DESIGNED BY:  
B. Humphrey

DRAWN BY:  
D. Arnold

**TASMAN** Tasman Geosciences, Inc  
GEOSCIENCES 6899 Pecos Street - Unit C  
Denver, CO 80221

**DCP Midstream  
Eaton Commons**  
NESE Section 31, Township 7 North, Range 65 West  
Weld County, Colorado

Site Overview  
Map With Well Locations

Figure  
3



Imagery Source: Google Earth; 2015 Google

DATE:	June 2015
DESIGNED BY:	B. Humphrey
DRAWN BY:	D. Arnold



**DCP Midstream  
Eaton Commons**  
NESE Section 31, Township 7 North, Range 65 West  
Weld County, Colorado

Groundwater Elevation  
Contour Map

Figure  
4



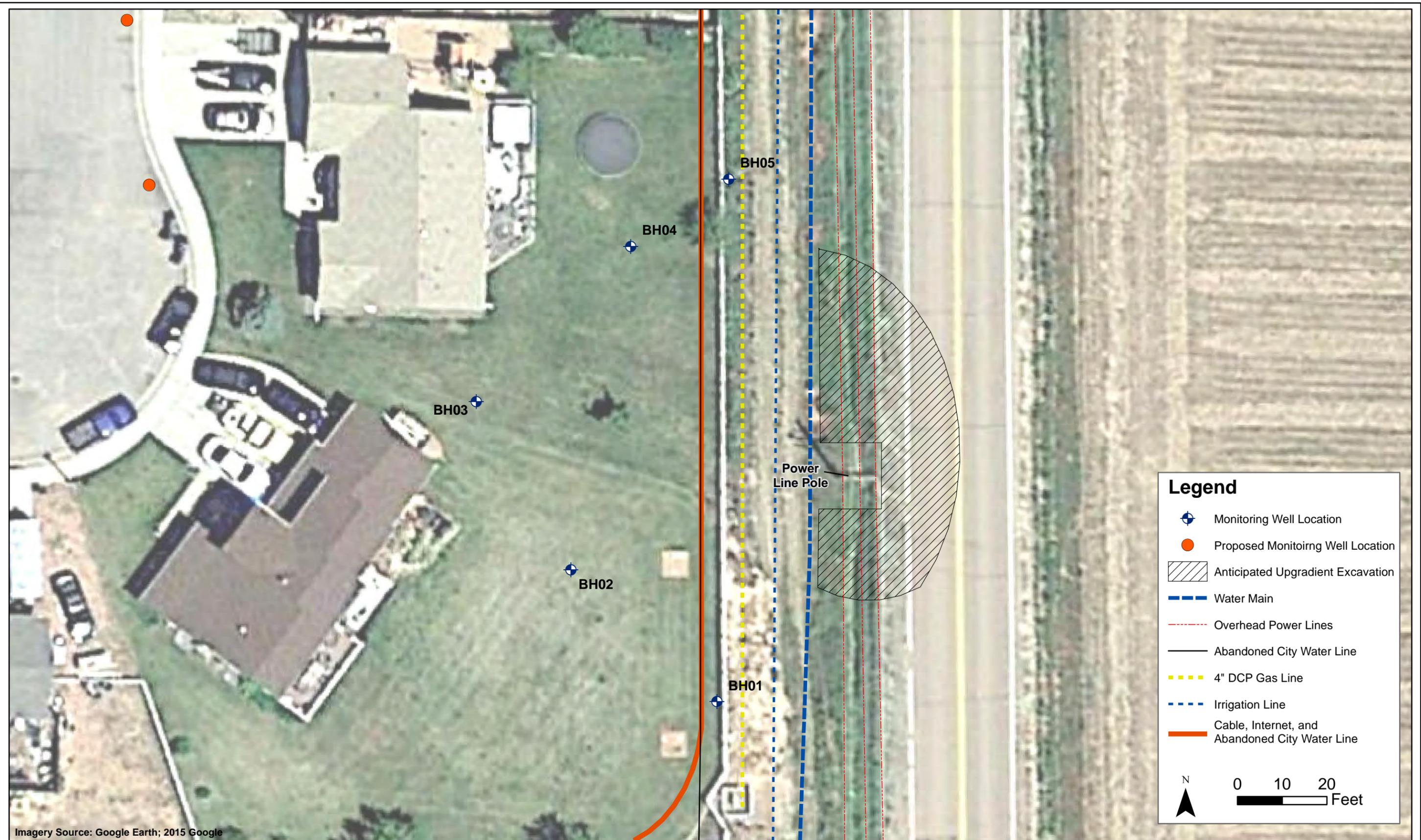
DATE: July 2015  
 DESIGNED BY: B. Humphrey  
 DRAWN BY: D. Arnold



**DCP Midstream  
 Eaton Commons**  
 NESE Section 31, Township 7 North, Range 65 West  
 Weld County, Colorado

Groundwater Analytical  
 Results Map

Figure  
 5



DATE: August 2015  
 DESIGNED BY: B. Humphrey  
 DRAWN BY: D. Arnold



**DCP Midstream  
 Eaton Commons**  
 NESE Section 31, Township 7 North, Range 65 West  
 Weld County, Colorado

Proposed Well Location &  
 Upgradient Excavation Location  
 Map

Figure  
 6

**ATTACHMENT A**

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 06, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: CR34 + CR74

Enclosed are the results of analyses for samples received by Summit Scientific on 05/05/15 18:07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: CR34 + CR74

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/06/15 07:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01@Surface	1505060-01	Soil	05/05/15 11:45	05/05/15 18:07

# Summit Scientific 1505060

S<sub>2</sub>

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: DCP Midstream Project Manager: Matt Pickett  
 Address: \_\_\_\_\_ E-Mail: MPickett@dcpmidstream.com  
 City/State/Zip: \_\_\_\_\_ Please cc: bhumphrey@tasman-geo.com + BStaves@dcpmidstream.com  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: CR34 + CR74  
 Sampler Name: Brian Humphrey Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions		
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	8260 GBTEX	8015 DRO				
1	SS01@Surface	5/5/14	1145	1			X			X			X	X				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Relinquished by: <u>[Signature]</u> Date/Time: <u>5/5/15 - 1600</u>	Received by: <u>[Signature]</u> Date/Time: <u>5/5/15 1735</u>	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>5.9°C</u> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Notes: <u>on ice</u>
Relinquished by: <u>[Signature]</u> Date/Time: <u>5/5/15 1807</u>	Received by: <u>[Signature]</u> Date/Time: <u>5/5/15 1807</u>		
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.



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

Project: CR34 + CR74

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/06/15 07:35

**SS01@Surface**  
**1505060-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/05/15 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>1100</b>	50	mg/kg	1	1505062	05/05/15	05/06/15	8015M	

Date Sampled: **05/05/15 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		118 %	30-150		"	"	"	"	

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

Date Sampled: **05/05/15 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>2.7</b>	0.020	mg/kg	10	1505061	05/05/15	05/05/15	EPA 8260B	
<b>Toluene</b>	<b>8.4</b>	0.050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.38</b>	0.0050	"	1	"	"	05/05/15	"	
<b>Xylenes (total)</b>	<b>14</b>	0.050	"	10	"	"	05/05/15	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1100</b>	5.0	"	"	"	"	"	"	E

Date Sampled: **05/05/15 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	23-173		"	"	05/05/15	"	
<i>Surrogate: Toluene-d8</i>		148 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		118 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR34 + CR74

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/06/15 07:35

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

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

**Batch 1505062 - EPA 3550A**

<b>Blank (1505062-BLK1)</b>				Prepared & Analyzed: 05/05/15							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -Terphenyl	13.4		"	12.2		110	30-150				
<b>LCS (1505062-BS1)</b>				Prepared & Analyzed: 05/05/15							
C10-C28 (DRO)	508	50	mg/kg	501		101	73-134				
Surrogate: <i>o</i> -Terphenyl	13.3		"	12.2		109	30-150				
<b>Matrix Spike (1505062-MS1)</b>				Source: 1505059-01		Prepared & Analyzed: 05/05/15					
C10-C28 (DRO)	468	50	mg/kg	481	11.1	95.1	50-148				
Surrogate: <i>o</i> -Terphenyl	12.4		"	11.7		106	30-150				
<b>Matrix Spike Dup (1505062-MSD1)</b>				Source: 1505059-01		Prepared & Analyzed: 05/05/15					
C10-C28 (DRO)	467	50	mg/kg	485	11.1	93.8	50-148	0.387		13	
Surrogate: <i>o</i> -Terphenyl	12.6		"	11.8		106	30-150				

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

Project: CR34 + CR74

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/06/15 07:35

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

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

**Batch 1505061 - EPA 5030 Soil MS**

**Blank (1505061-BLK1)**

Prepared & Analyzed: 05/05/15

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>0.0513</i>		<i>"</i>	<i>0.0396</i>		<i>130</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0412</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0430</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>21-167</i>				

**LCS (1505061-BS1)**

Prepared & Analyzed: 05/05/15

Benzene	0.0914	0.0020	mg/kg	0.100		91.4	58-130				
Toluene	0.0916	0.0050	"	0.100		91.6	61-134				
Ethylbenzene	0.103	0.0050	"	0.0992		104	74-139				
m,p-Xylene	0.200	0.010	"	0.200		100	73-137				
o-Xylene	0.102	0.0050	"	0.0984		104	73-141				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0494</i>		<i>"</i>	<i>0.0396</i>		<i>125</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0414</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>				

**Matrix Spike (1505061-MS1)**

Source: 1505059-01

Prepared & Analyzed: 05/05/15

Benzene	0.108	0.0020	mg/kg	0.0963	0.0184	93.4	30-131				
Toluene	0.131	0.0050	"	0.0963	0.0437	90.5	30-134				
Ethylbenzene	0.102	0.0050	"	0.0956	ND	107	22-153				
m,p-Xylene	0.206	0.010	"	0.192	0.0139	99.8	10-159				
o-Xylene	0.102	0.0050	"	0.0948	0.00434	103	31-151				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0481</i>		<i>"</i>	<i>0.0382</i>		<i>126</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0393</i>		<i>"</i>	<i>0.0385</i>		<i>102</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0403</i>		<i>"</i>	<i>0.0385</i>		<i>105</i>	<i>21-167</i>				

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

Project: CR34 + CR74

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/06/15 07:35

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

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

**Batch 1505061 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1505061-MSD1)</b>	<b>Source: 1505059-01</b>			<b>Prepared &amp; Analyzed: 05/05/15</b>						
Benzene	0.104	0.0020	mg/kg	0.0982	0.0184	87.5	30-131	3.79	34	
Toluene	0.121	0.0050	"	0.0982	0.0437	78.2	30-134	8.29	30	
Ethylbenzene	0.103	0.0050	"	0.0974	ND	106	22-153	1.35	24	
m,p-Xylene	0.206	0.010	"	0.196	0.0139	98.1	10-159	0.175	68	
o-Xylene	0.104	0.0050	"	0.0967	0.00434	103	31-151	1.52	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0497</i>		<i>"</i>	<i>0.0389</i>		<i>128</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0393</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0402</i>		<i>"</i>	<i>0.0393</i>		<i>102</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.*



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

Project: CR34 + CR74

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/06/15 07:35

### Notes and Definitions

- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- 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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 31, 2015

Brian Humphrey

DCP Midstream

370 17th Street #2500

Denver, CO 80202

RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 05/29/15 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ben Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury For Paul Shrewsbury  
President



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/31/15 21:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS02@8'	1505288-01	Soil	05/29/15 11:30	05/29/15 15:30

# Summit Scientific *1505288*

*S2*

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303-277-9310 • 303-374-5933

Page 1 of 1

Client: *DCP Midstream* Project Manager: *Brian Humphrey*  
Address: \_\_\_\_\_ E-Mail: *b.humphrey@fasman-gco.com*  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: *CR39 and CR74 Eaton Commons*  
Sampler Name: *Paul Downey* Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative			Matrix		Analysis Requested				Special Instructions		
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX		PAHs	DR
1	<i>SS02 @ 8'</i>	<i>5/29/15</i>	<i>11:30</i>	<i>1</i>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
2																
3																
4																
5																
6																
7																
8																
9																
10																
Relinquished by: <i>Paul Downey</i>		Date/Time: <i>5/27/15 15:30</i>		Received by: <i>John Allen</i>		Date/Time: <i>5/29/15 15:30</i>		Turn Around Time (Check)		Same Day <input checked="" type="checkbox"/>		72 hours <input type="checkbox"/>		Standard <input type="checkbox"/>		Notes: <i>From field</i>
Relinquished by:		Date/Time:		Received by:		Date/Time:		48 hours <input type="checkbox"/>		Sample Integrity:		<i>18.8</i>				
Relinquished by:		Date/Time:		Received by:		Date/Time:		Temperature Upon Receipt:		Intact: <input checked="" type="checkbox"/>		No <input type="checkbox"/>				

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Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/31/15 21:14

**SS02@8'**  
**1505288-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/29/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1505271	05/29/15	05/30/15	8015M	

Date Sampled: **05/29/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		95.8 %	30-150		"	"	"	"	

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

Date Sampled: **05/29/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.33</b>	0.0020	mg/kg	1	1505265	"	05/30/15	EPA 8260B	
<b>Toluene</b>	<b>0.069</b>	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.023</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.091</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>2.3</b>	0.50	"	"	"	"	"	"	

Date Sampled: **05/29/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/31/15 21:14

**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 1505271 - EPA 3550A**

**Blank (1505271-BLK1)**

Prepared: 05/29/15 Analyzed: 05/30/15

C10-C28 (DRO)	ND	50	mg/kg							
<i>Surrogate: o-Terphenyl</i>	11.8		"	12.2		97.0	30-150			

**LCS (1505271-BS1)**

Prepared: 05/29/15 Analyzed: 05/30/15

C10-C28 (DRO)	470	50	mg/kg	501		93.8	73-134			
<i>Surrogate: o-Terphenyl</i>	12.2		"	12.2		99.9	30-150			

**Matrix Spike (1505271-MS1)**

**Source: 1505272-01**

Prepared: 05/29/15 Analyzed: 05/30/15

C10-C28 (DRO)	470	50	mg/kg	501	13.7	91.0	50-148			
<i>Surrogate: o-Terphenyl</i>	12.1		"	12.2		98.9	30-150			

**Matrix Spike Dup (1505271-MSD1)**

**Source: 1505272-01**

Prepared: 05/29/15 Analyzed: 05/30/15

C10-C28 (DRO)	472	50	mg/kg	501	13.7	91.5	50-148	0.542	13	
<i>Surrogate: o-Terphenyl</i>	11.8		"	12.2		96.7	30-150			

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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/31/15 21:14

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

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

**Batch 1505265 - EPA 5030 Soil MS**

**Blank (1505265-BLK1)**

Prepared: 05/29/15 Analyzed: 05/30/15

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	"								
Surrogate: 1,2-Dichloroethane-d4	0.0428		"	0.0396		108	23-173				
Surrogate: Toluene-d8	0.0397		"	0.0400		99.3	20-170				
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167				

**LCS (1505265-BS1)**

Prepared: 05/29/15 Analyzed: 05/30/15

Benzene	0.150	0.0020	mg/kg	0.150		100	58-130				
Toluene	0.148	0.0050	"	0.150		98.7	61-134				
Ethylbenzene	0.147	0.0050	"	0.150		98.2	74-139				
m,p-Xylene	0.282	0.010	"	0.300		94.1	73-137				
o-Xylene	0.147	0.0050	"	0.150		98.0	73-141				
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0396		104	23-173				
Surrogate: Toluene-d8	0.0413		"	0.0400		103	20-170				
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.1	21-167				

**Matrix Spike (1505265-MS1)**

Source: 1505275-03

Prepared: 05/29/15 Analyzed: 05/30/15

Benzene	0.0488	0.0020	mg/kg	0.150	ND	32.5	30-131				
Toluene	0.0322	0.0050	"	0.150	ND	21.5	30-134				QM-07
Ethylbenzene	0.0323	0.0050	"	0.150	ND	21.5	22-153				QM-07
m,p-Xylene	0.0476	0.010	"	0.300	ND	15.9	10-159				
o-Xylene	0.0226	0.0050	"	0.150	ND	15.1	31-151				QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0454		"	0.0396		115	23-173				
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170				
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.4	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.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/31/15 21:14

**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 1505265 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1505265-MSD1)</b>	<b>Source: 1505275-03</b>			Prepared: 05/29/15	Analyzed: 05/30/15					
Benzene	0.0602	0.0020	mg/kg	0.150	ND	40.2	30-131	21.0	34	
Toluene	0.0407	0.0050	"	0.150	ND	27.1	30-134	23.2	30	QM-07
Ethylbenzene	0.0404	0.0050	"	0.150	ND	26.9	22-153	22.3	24	
m,p-Xylene	0.0601	0.010	"	0.300	ND	20.0	10-159	23.3	68	
o-Xylene	0.0294	0.0050	"	0.150	ND	19.6	31-151	25.9	38	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0443		"	0.0396		112	23-173			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		92.9	21-167			

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/31/15 21:14

### Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- 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

June 03, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/02/15 18:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/03/15 06:27

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS03@8'	1506009-01	Soil	06/02/15 13:30	06/02/15 18:30
SS04@8'	1506009-02	Soil	06/02/15 16:00	06/02/15 18:30

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Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/03/15 06:27

# Summit Scientific 1506009

S<sub>2</sub>

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: DCP Midstream Project Manager: Brian Humphrey  
Address: \_\_\_\_\_ E-Mail: b.humphrey@tesman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: CR39 + CR74 Eaton Commons  
Sampler Name: Paul Downey Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	8266	GBTEX	30.5	
1	SS03 @ 8'	6/2/15	13:30	1			X			X		X	X			
2	SS04 @ 8'	6/2/15	16:00	1			X			X		X	X			
3																
4																
5																
6																
7																
8																
9																
10																

Relinquished by: <u>Paul Downey</u> Date/Time: <u>6/2/15 17:15</u>	Received by: <u>Christina</u> Date/Time: <u>6/2/15 17:15</u>	<b>Turn Around Time</b> (Check) Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 hours <input type="checkbox"/> <b>Sample Integrity:</b> Temperature Upon Receipt: <u>29.5</u> Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Notes:</b> From field
Relinquished by: <u>AD</u> Date/Time: <u>6/2/15 18:30</u>	Received by: _____ Date/Time: _____		
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____		

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/03/15 06:27

**SS03@8'**  
**1506009-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/15 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506037	06/02/15	06/02/15	8015M	

Date Sampled: **06/02/15 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		96.5 %	30-150		"	"	"	"	

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

Date Sampled: **06/02/15 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0089</b>	0.0020	mg/kg	1	1506038	06/02/15	06/02/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/15 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/03/15 06:27

**SS04@8'**  
**1506009-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/15 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506037	06/02/15	06/02/15	8015M	

Date Sampled: **06/02/15 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.4 %	30-150		"	"	"	"	

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

Date Sampled: **06/02/15 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.042</b>	0.0020	mg/kg	1	1506038	06/02/15	06/02/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.012</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.041</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>4.2</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/15 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	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.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/03/15 06:27

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

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

**Batch 1506037 - EPA 3550A**

**Blank (1506037-BLK1)**

Prepared: 06/02/15 Analyzed: 06/03/15

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	<i>11.8</i>		"	<i>12.2</i>		<i>96.9</i>	<i>30-150</i>				

**LCS (1506037-BS1)**

Prepared: 06/02/15 Analyzed: 06/03/15

C10-C28 (DRO)	483	50	mg/kg	501		96.4	73-134				
<i>Surrogate: o-Terphenyl</i>	<i>12.0</i>		"	<i>12.2</i>		<i>98.6</i>	<i>30-150</i>				

**Matrix Spike (1506037-MS1)**

**Source: 1506007-01**

Prepared: 06/02/15 Analyzed: 06/03/15

C10-C28 (DRO)	460	50	mg/kg	485	23.0	90.3	50-148				
<i>Surrogate: o-Terphenyl</i>	<i>11.4</i>		"	<i>11.8</i>		<i>97.0</i>	<i>30-150</i>				

**Matrix Spike Dup (1506037-MSD1)**

**Source: 1506007-01**

Prepared: 06/02/15 Analyzed: 06/03/15

C10-C28 (DRO)	459	50	mg/kg	476	23.0	91.5	50-148	0.353	13		
<i>Surrogate: o-Terphenyl</i>	<i>11.1</i>		"	<i>11.6</i>		<i>95.4</i>	<i>30-150</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/03/15 06:27

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

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

**Batch 1506038 - EPA 5030 Soil MS**

**Blank (1506038-BLK1)**

Prepared: 06/02/15 Analyzed: 06/03/15

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>0.0442</i>		<i>"</i>	<i>0.0396</i>	<i>112</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>	<i>99.4</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>	<i>102</i>	<i>21-167</i>				

**LCS (1506038-BS1)**

Prepared: 06/02/15 Analyzed: 06/03/15

Benzene	0.108	0.0020	mg/kg	0.100	108	58-130				
Toluene	0.113	0.0050	"	0.100	113	61-134				
Ethylbenzene	0.123	0.0050	"	0.0992	124	74-139				
m,p-Xylene	0.240	0.010	"	0.200	120	73-137				
o-Xylene	0.128	0.0050	"	0.0984	130	73-141				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0445</i>		<i>"</i>	<i>0.0396</i>	<i>112</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>	<i>102</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>	<i>101</i>	<i>21-167</i>				

**LCS (1506038-BS2)**

Prepared: 06/02/15 Analyzed: 06/03/15

Benzene	0.112	0.0020	mg/kg	0.100	112	58-130				
Toluene	0.118	0.0050	"	0.100	118	61-134				
Ethylbenzene	0.133	0.0050	"	0.0992	134	74-139				
m,p-Xylene	0.257	0.010	"	0.200	129	73-137				
o-Xylene	0.135	0.0050	"	0.0984	137	73-141				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0430</i>		<i>"</i>	<i>0.0396</i>	<i>109</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>	<i>101</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>	<i>103</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/03/15 06:27

**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 1506038 - EPA 5030 Soil MS**

<b>Matrix Spike (1506038-MS1)</b>		<b>Source: 1506007-01</b>			Prepared: 06/02/15		Analyzed: 06/03/15			
Benzene	0.110	0.0020	mg/kg	0.0998	ND	110	30-131			
Toluene	0.116	0.0050	"	0.0998	ND	116	30-134			
Ethylbenzene	0.129	0.0050	"	0.0990	ND	131	22-153			
m,p-Xylene	0.257	0.010	"	0.199	ND	129	10-159			
o-Xylene	0.135	0.0050	"	0.0982	ND	138	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0476		"	0.0395		120	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0399		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0417		"	0.0399		104	21-167			

<b>Matrix Spike (1506038-MS2)</b>		<b>Source: 1506007-02</b>			Prepared: 06/02/15		Analyzed: 06/03/15			
Benzene	0.109	0.0020	mg/kg	0.0992	ND	110	30-131			
Toluene	0.114	0.0050	"	0.0992	ND	115	30-134			
Ethylbenzene	0.127	0.0050	"	0.0984	ND	129	22-153			
m,p-Xylene	0.247	0.010	"	0.198	ND	125	10-159			
o-Xylene	0.129	0.0050	"	0.0976	ND	132	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0457		"	0.0393		116	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0397		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0397		101	21-167			

<b>Matrix Spike Dup (1506038-MSD1)</b>		<b>Source: 1506007-01</b>			Prepared: 06/02/15		Analyzed: 06/03/15			
Benzene	0.101	0.0020	mg/kg	0.0929	ND	109	30-131	8.38	34	
Toluene	0.107	0.0050	"	0.0929	ND	115	30-134	7.95	30	
Ethylbenzene	0.120	0.0050	"	0.0922	ND	130	22-153	7.35	24	
m,p-Xylene	0.233	0.010	"	0.186	ND	126	10-159	10.0	68	
o-Xylene	0.120	0.0050	"	0.0914	ND	132	31-151	11.6	38	
Surrogate: 1,2-Dichloroethane-d4	0.0426		"	0.0368		116	23-173			
Surrogate: Toluene-d8	0.0369		"	0.0372		99.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0372		103	21-167			

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/03/15 06:27

**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 1506038 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1506038-MSD2)</b>	<b>Source: 1506007-02</b>			Prepared: 06/02/15		Analyzed: 06/03/15				
Benzene	0.103	0.0020	mg/kg	0.0938	ND	110	30-131	6.00	34	
Toluene	0.108	0.0050	"	0.0938	ND	116	30-134	5.39	30	
Ethylbenzene	0.122	0.0050	"	0.0931	ND	131	22-153	4.01	24	
m,p-Xylene	0.239	0.010	"	0.187	ND	128	10-159	3.39	68	
o-Xylene	0.125	0.0050	"	0.0923	ND	136	31-151	2.88	38	
Surrogate: 1,2-Dichloroethane-d4	0.0423		"	0.0371		114	23-173			
Surrogate: Toluene-d8	0.0377		"	0.0375		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0380		"	0.0375		101	21-167			

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/03/15 06:27

### 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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 04, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/03/15 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS05@4'	1506023-01	Soil	06/03/15 07:30	06/03/15 09:40
SS06@4'	1506023-02	Soil	06/03/15 07:35	06/03/15 09:40
SS07@8'	1506023-03	Soil	06/03/15 07:40	06/03/15 09:40
SS08@4'	1506023-04	Soil	06/03/15 07:45	06/03/15 09:40
GW01	1506023-05	Water	06/03/15 07:50	06/03/15 09:40

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/04/15 06:54

# Summit Scientific

1506023

S<sub>2</sub>

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: Tasman Project Manager: Brian H.  
Address: \_\_\_\_\_ E-Mail: bhumphrey@tasman  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: CR 39 + 74 Eaton Commons  
Sampler Name: Jim Dawe Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)					
1	SS05 @ 4'	6/3/15	7:30							X							
2	SS06 @ 4'	↓	7:35														
3	SS07 @ 8'	↓	7:40														
4	SS08 @ 4'	↓	7:45														
5	GW01	6/3/15	7:50	3	X				X			X	X				
6																	
7																	
8																	
9																	
10																	

Relinquished by:	Date/Time: 6:35 9:40	Received by:	Date/Time: 9:40 6/3/15	Turn Around Time (Check)	Notes: From field
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/> 72 hours —	
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours — Standard — 48 hours —	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: 20.5	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Temperature Upon Receipt:  20.5 Intact: <input checked="" type="checkbox"/> Yes No	

www.s2scientific.com



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**SS05@4'**  
**1506023-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/03/15 07:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506046	06/03/15	06/03/15	8015M	

Date Sampled: **06/03/15 07:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		97.5 %	30-150		"	"	"	"	

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

Date Sampled: **06/03/15 07:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0062</b>	0.0020	mg/kg	1	1506048	"	06/03/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>7.4</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/03/15 07:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**SS06@4'**  
**1506023-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/03/15 07:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506046	06/03/15	06/03/15	8015M	

Date Sampled: **06/03/15 07:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.4 %	30-150		"	"	"	"	

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

Date Sampled: **06/03/15 07:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1506048	"	06/03/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/03/15 07:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**SS07@8'**  
**1506023-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/03/15 07:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506046	06/03/15	06/03/15	8015M	

Date Sampled: **06/03/15 07:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		110 %	30-150		"	"	"	"	

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

Date Sampled: **06/03/15 07:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.015</b>	0.0020	mg/kg	1	1506048	"	06/03/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.0070</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.70</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/03/15 07:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**SS08@4'**  
**1506023-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/03/15 07:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506046	06/03/15	06/03/15	8015M	

Date Sampled: **06/03/15 07:45**

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: **06/03/15 07:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1506048	"	06/03/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/03/15 07:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**GW01**  
**1506023-05 (Water)**

**Summit Scientific**

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

Date Sampled: **06/03/15 07:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1600</b>	10	ug/l	10	1506050	06/03/15	06/03/15	EPA 8260B	
<b>Toluene</b>	<b>35</b>	10	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>43</b>	10	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>46</b>	10	"	"	"	"	"	"	

Date Sampled: **06/03/15 07:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.0 %	45-146		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**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 1506046 - EPA 3550A**

**Blank (1506046-BLK1)**

Prepared & Analyzed: 06/03/15

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	13.0		"	12.2		107	30-150				

**LCS (1506046-BS1)**

Prepared & Analyzed: 06/03/15

C10-C28 (DRO)	474	50	mg/kg	501		94.6	73-134				
<i>Surrogate: o-Terphenyl</i>	13.7		"	12.2		112	30-150				

**Matrix Spike (1506046-MS1)**

Source: 1506013-01

Prepared & Analyzed: 06/03/15

C10-C28 (DRO)	476	50	mg/kg	485	ND	98.1	50-148				
<i>Surrogate: o-Terphenyl</i>	12.5		"	11.8		106	30-150				

**Matrix Spike Dup (1506046-MSD1)**

Source: 1506013-01

Prepared & Analyzed: 06/03/15

C10-C28 (DRO)	513	50	mg/kg	464	ND	111	50-148	7.36		13	
<i>Surrogate: o-Terphenyl</i>	12.4		"	11.3		110	30-150				

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/04/15 06:54

**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 1506048 - EPA 5030 Soil MS**

**Blank (1506048-BLK1)**

Prepared & Analyzed: 06/03/15

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>0.0435</i>		<i>"</i>	<i>0.0396</i>		<i>110</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0391</i>		<i>"</i>	<i>0.0400</i>		<i>97.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>21-167</i>			

**LCS (1506048-BS1)**

Prepared & Analyzed: 06/03/15

Benzene	0.108	0.0020	mg/kg	0.100		108	58-130			
Toluene	0.115	0.0050	"	0.100		115	61-134			
Ethylbenzene	0.126	0.0050	"	0.0992		127	74-139			
m,p-Xylene	0.248	0.010	"	0.200		124	73-137			
o-Xylene	0.128	0.0050	"	0.0984		130	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0439</i>		<i>"</i>	<i>0.0396</i>		<i>111</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.4</i>	<i>21-167</i>			

**Matrix Spike (1506048-MS1)**

Source: 1506023-02

Prepared & Analyzed: 06/03/15

Benzene	0.110	0.0020	mg/kg	0.100	ND	110	30-131			
Toluene	0.117	0.0050	"	0.100	ND	117	30-134			
Ethylbenzene	0.130	0.0050	"	0.0992	ND	131	22-153			
m,p-Xylene	0.256	0.010	"	0.200	ND	128	10-159			
o-Xylene	0.134	0.0050	"	0.0984	ND	137	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0453</i>		<i>"</i>	<i>0.0396</i>		<i>114</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0395</i>		<i>"</i>	<i>0.0400</i>		<i>98.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>99.9</i>	<i>21-167</i>			

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*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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/04/15 06:54

**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 1506048 - EPA 5030 Soil MS**

Matrix Spike Dup (1506048-MSD1)	Source: 1506023-02			Prepared & Analyzed: 06/03/15						
Benzene	0.110	0.0020	mg/kg	0.100	ND	110	30-131	0.109	34	
Toluene	0.116	0.0050	"	0.100	ND	116	30-134	0.695	30	
Ethylbenzene	0.130	0.0050	"	0.0992	ND	131	22-153	0.138	24	
m,p-Xylene	0.256	0.010	"	0.200	ND	128	10-159	0.129	68	
o-Xylene	0.132	0.0050	"	0.0984	ND	134	31-151	1.96	38	
Surrogate: 1,2-Dichloroethane-d4	0.0456		"	0.0396		115	23-173			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0400		102	21-167			

**Batch 1506050 - EPA 5030 Water MS**

Blank (1506050-BLK1)	Prepared & Analyzed: 06/03/15									
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.2		104	37-154			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	45-149			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	45-146			
LCS (1506050-BS1)	Prepared & Analyzed: 06/03/15									
Benzene	33.9	1.0	ug/l	33.3		102	51-132			
Toluene	31.1	1.0	"	33.3		93.3	51-138			
Ethylbenzene	32.7	1.0	"	33.1		99.0	58-146			
m,p-Xylene	65.6	2.0	"	66.5		98.6	57-144			
o-Xylene	34.2	1.0	"	32.8		104	53-146			
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.2		105	37-154			
Surrogate: Toluene-d8	12.9		"	13.3		96.6	45-149			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.7	45-146			

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

**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 1506050 - EPA 5030 Water MS**

<b>Matrix Spike (1506050-MS1)</b>	<b>Source: 1506021-01</b>			<b>Prepared &amp; Analyzed: 06/03/15</b>							
Benzene	33.6	1.0	ug/l	33.3	ND	101	34-141				
Toluene	30.7	1.0	"	33.3	ND	92.2	27-151				
Ethylbenzene	32.8	1.0	"	33.1	ND	99.3	29-160				
m,p-Xylene	66.2	2.0	"	66.5	ND	99.5	20-166				
o-Xylene	34.3	1.0	"	32.8	ND	105	33-159				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.3</i>		<i>"</i>	<i>13.2</i>		<i>108</i>	<i>37-154</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>96.6</i>	<i>45-149</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.3</i>	<i>45-146</i>				

<b>Matrix Spike Dup (1506050-MSD1)</b>	<b>Source: 1506021-01</b>			<b>Prepared &amp; Analyzed: 06/03/15</b>							
Benzene	34.1	1.0	ug/l	33.3	ND	102	34-141	1.30	32		
Toluene	30.9	1.0	"	33.3	ND	92.8	27-151	0.649	25		
Ethylbenzene	32.5	1.0	"	33.1	ND	98.3	29-160	0.949	50		
m,p-Xylene	65.3	2.0	"	66.5	ND	98.1	20-166	1.48	36		
o-Xylene	33.8	1.0	"	32.8	ND	103	33-159	1.29	26		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.3</i>		<i>"</i>	<i>13.2</i>		<i>116</i>	<i>37-154</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.0</i>	<i>45-149</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>		<i>98.8</i>	<i>45-146</i>				

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/04/15 06:54

### 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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 05, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/04/15 17:56. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury  
President



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/05/15 04:20

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS09@8'	1506034-01	Soil	06/04/15 09:30	06/04/15 17:56
SS10@4'	1506034-02	Soil	06/04/15 11:30	06/04/15 17:56
SS11@8'	1506034-03	Soil	06/04/15 11:35	06/04/15 17:56

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/05/15 04:20

# Summit Scientific *1506034*

*S<sub>2</sub>*

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: *DCP Midstream* Project Manager: *Brian Humphrey*  
Address: \_\_\_\_\_ E-Mail: *b.humphrey@tasman-geo.com*  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: *CR39 and CR74 Eaton Commons*  
Sampler Name: *Paul Downey* Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	846 GBTEX	805 DRO			
1	SS09 @ 8'	6/4/15	9:30	1			X			X			X	X			
2	SS10 @ 4'		11:30	1			X			X			X	X			
3	SS11 @ 8'		11:35	1			X			X			X	X			
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: <i>[Signature]</i> Date/Time: <i>6/4/15 16:25</i>	Received by: <i>[Signature]</i> Date/Time: <i>6/4/15 14:25</i>	Turn Around Time (Check)	Notes: <i>From field</i>
Relinquished by: <i>OD</i> Date/Time: <i>6/4/15 17:57</i>	Received by: <i>[Signature]</i> Date/Time: <i>6/4 17:57</i>	Same Day <input checked="" type="checkbox"/> 72 hours — 24 hours — Standard — 48 hours —	
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____	Sample Integrity: <i>28.5</i> Temperature Upon Receipt: <i>28.5</i> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

www.s2scientific.com



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/05/15 04:20

**SS09@8'**  
**1506034-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/04/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506066	06/04/15	06/04/15	8015M	

Date Sampled: **06/04/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	30-150		"	"	"	"	

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

Date Sampled: **06/04/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0077</b>	0.0020	mg/kg	1	1506067	06/04/15	06/04/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.60</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/04/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		137 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/05/15 04:20

**SS10@4'**  
**1506034-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/04/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506066	06/04/15	06/04/15	8015M	

Date Sampled: **06/04/15 11:30**

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: **06/04/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1506067	06/04/15	06/04/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/04/15 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		141 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/05/15 04:20

**SS11@8'**  
**1506034-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/04/15 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506066	06/04/15	06/04/15	8015M	

Date Sampled: **06/04/15 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	30-150		"	"	"	"	

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

Date Sampled: **06/04/15 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.30</b>	0.0020	mg/kg	1	1506067	06/04/15	06/04/15	EPA 8260B	
<b>Toluene</b>	<b>0.030</b>	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.14</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.52</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>31</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/04/15 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		128 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		126 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/05/15 04:20

**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 1506066 - EPA 3550A**

**Blank (1506066-BLK1)**

Prepared & Analyzed: 06/04/15

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	12.0		"	12.2		98.2	30-150				

**LCS (1506066-BS1)**

Prepared & Analyzed: 06/04/15

C10-C28 (DRO)	492	50	mg/kg	501		98.2	73-134				
<i>Surrogate: o-Terphenyl</i>	12.5		"	12.2		103	30-150				

**Matrix Spike (1506066-MS1)**

Source: 1506031-01

Prepared & Analyzed: 06/04/15

C10-C28 (DRO)	457	50	mg/kg	474	9.02	94.4	50-148				
<i>Surrogate: o-Terphenyl</i>	11.8		"	11.6		102	30-150				

**Matrix Spike Dup (1506066-MSD1)**

Source: 1506031-01

Prepared & Analyzed: 06/04/15

C10-C28 (DRO)	479	50	mg/kg	490	9.02	95.8	50-148	4.70		13	
<i>Surrogate: o-Terphenyl</i>	12.2		"	11.9		102	30-150				

Summit Scientific

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/05/15 04:20

**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 1506067 - EPA 5030 Soil MS**

**Blank (1506067-BLK1)**

Prepared & Analyzed: 06/04/15

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>0.0560</i>		<i>"</i>	<i>0.0396</i>		<i>141</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0449</i>		<i>"</i>	<i>0.0400</i>		<i>112</i>	<i>21-167</i>			

**LCS (1506067-BS1)**

Prepared & Analyzed: 06/04/15

Benzene	0.100	0.0020	mg/kg	0.100		100	58-130			
Toluene	0.106	0.0050	"	0.100		106	61-134			
Ethylbenzene	0.102	0.0050	"	0.0992		103	74-139			
m,p-Xylene	0.202	0.010	"	0.200		101	73-137			
o-Xylene	0.109	0.0050	"	0.0984		111	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0562</i>		<i>"</i>	<i>0.0396</i>		<i>142</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>			

**Matrix Spike (1506067-MS1)**

Source: 1506031-01

Prepared & Analyzed: 06/04/15

Benzene	0.0896	0.0020	mg/kg	0.0924	ND	97.0	30-131			
Toluene	0.101	0.0050	"	0.0924	ND	109	30-134			
Ethylbenzene	0.104	0.0050	"	0.0917	ND	114	22-153			
m,p-Xylene	0.209	0.010	"	0.184	ND	113	10-159			
o-Xylene	0.110	0.0050	"	0.0909	ND	121	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0519</i>		<i>"</i>	<i>0.0366</i>		<i>142</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0387</i>		<i>"</i>	<i>0.0370</i>		<i>105</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0395</i>		<i>"</i>	<i>0.0370</i>		<i>107</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/05/15 04:20

**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 1506067 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1506067-MSD1)</b>	<b>Source: 1506031-01</b>			<b>Prepared &amp; Analyzed: 06/04/15</b>						
Benzene	0.0994	0.0020	mg/kg	0.0973	ND	102	30-131	10.3	34	
Toluene	0.107	0.0050	"	0.0973	ND	110	30-134	6.05	30	
Ethylbenzene	0.107	0.0050	"	0.0965	ND	111	22-153	2.51	24	
m,p-Xylene	0.212	0.010	"	0.194	ND	109	10-159	1.18	68	
o-Xylene	0.113	0.0050	"	0.0957	ND	119	31-151	3.21	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0542</i>		<i>"</i>	<i>0.0385</i>		<i>141</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0407</i>		<i>"</i>	<i>0.0389</i>		<i>104</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0406</i>		<i>"</i>	<i>0.0389</i>		<i>104</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/05/15 04:20

### 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

June 09, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/08/15 17:48. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/09/15 06:40

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS12@7'	1506047-01	Soil	06/08/15 09:30	06/08/15 17:48
SS13@5'	1506047-02	Soil	06/08/15 09:45	06/08/15 17:48

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Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

S<sub>2</sub>

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/09/15 06:40

# Summit Scientific 1506047

S<sub>2</sub>

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: DCP Midstream Project Manager: Brian Humphrey  
 Address: \_\_\_\_\_ E-Mail: bhumphry@tusmen-gcc.com  
 City/State/Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: CR39 and CR24 Eaton Commons  
 Sampler Name: Paul Downey Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	P240	GBTEX	P015	DRD	
1	SS72 @ 7'	6/8/15	9:30	1			X							X	X		
2	SS13 @ 5'	6/8/15	9:45	1			X			X				X	X		
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: <u>[Signature]</u> Date/Time: <u>6/8/15 15:00</u>	Received by: <u>[Signature]</u> Date/Time: <u>6/8/15 15:00</u>	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>19.1</u> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Notes: <u>Tom field</u>
Relinquished by: <u>[Signature]</u> Date/Time: <u>6/8/15 17:48</u>	Received by: <u>[Signature]</u> Date/Time: <u>6/8/15 17:48</u>		
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____		

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Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/09/15 06:40

**SS12@7'**  
**1506047-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/08/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506087	06/08/15	06/08/15	8015M	

Date Sampled: **06/08/15 09:30**

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: **06/08/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1506090	06/08/15	06/08/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/08/15 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/09/15 06:40

**SS13@5'**  
**1506047-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/08/15 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506087	06/08/15	06/08/15	8015M	

Date Sampled: **06/08/15 09:45**

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: **06/08/15 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.024</b>	0.0020	mg/kg	1	1506090	06/08/15	06/08/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/08/15 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	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.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/09/15 06:40

**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 1506087 - EPA 3550A**

**Blank (1506087-BLK1)**

Prepared & Analyzed: 06/08/15

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	12.0		"	12.2		98.3	30-150				

**LCS (1506087-BS1)**

Prepared & Analyzed: 06/08/15

C10-C28 (DRO)	453	50	mg/kg	501		90.4	73-134				
<i>Surrogate: o-Terphenyl</i>	12.2		"	12.2		100	30-150				

**Matrix Spike (1506087-MS1)**

Source: 1506037-01

Prepared & Analyzed: 06/08/15

C10-C28 (DRO)	512	50	mg/kg	465	11.8	108	50-148				
<i>Surrogate: o-Terphenyl</i>	11.5		"	11.3		101	30-150				

**Matrix Spike Dup (1506087-MSD1)**

Source: 1506037-01

Prepared & Analyzed: 06/08/15

C10-C28 (DRO)	508	50	mg/kg	471	11.8	105	50-148	0.815		13	
<i>Surrogate: o-Terphenyl</i>	11.3		"	11.5		98.5	30-150				

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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/09/15 06:40

**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 1506090 - EPA 5030 Soil MS**

**Blank (1506090-BLK1)**

Prepared & Analyzed: 06/08/15

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0427		"	0.0396		108	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	21-167			

**LCS (1506090-BS1)**

Prepared & Analyzed: 06/08/15

Benzene	0.0927	0.0020	mg/kg	0.100		92.7	58-130			
Toluene	0.0972	0.0050	"	0.100		97.2	61-134			
Ethylbenzene	0.103	0.0050	"	0.0992		103	74-139			
m,p-Xylene	0.198	0.010	"	0.200		99.0	73-137			
o-Xylene	0.104	0.0050	"	0.0984		106	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0396		104	23-173			
Surrogate: Toluene-d8	0.0438		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0417		"	0.0400		104	21-167			

**Matrix Spike (1506090-MS1)**

Source: 1506046-01

Prepared & Analyzed: 06/08/15

Benzene	0.101	0.0020	mg/kg	0.0973	0.0463	55.9	30-131			
Toluene	0.107	0.0050	"	0.0973	0.00941	101	30-134			
Ethylbenzene	0.109	0.0050	"	0.0965	ND	113	22-153			
m,p-Xylene	0.214	0.010	"	0.194	ND	110	10-159			
o-Xylene	0.112	0.0050	"	0.0957	ND	117	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0451		"	0.0385		117	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0389		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0389		103	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.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/09/15 06:40

**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 1506090 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1506090-MSD1)</b>	<b>Source: 1506046-01</b>			<b>Prepared &amp; Analyzed: 06/08/15</b>						
Benzene	0.101	0.0020	mg/kg	0.0973	0.0463	56.4	30-131	0.463	34	
Toluene	0.107	0.0050	"	0.0973	0.00941	101	30-134	0.218	30	
Ethylbenzene	0.116	0.0050	"	0.0965	ND	121	22-153	6.25	24	
m,p-Xylene	0.228	0.010	"	0.194	ND	117	10-159	6.00	68	
o-Xylene	0.120	0.0050	"	0.0957	ND	126	31-151	6.70	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0467</i>		<i>"</i>	<i>0.0385</i>		<i>121</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0389</i>		<i>102</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0407</i>		<i>"</i>	<i>0.0389</i>		<i>104</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/09/15 06:40

### 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

June 11, 2015

Steve Weathers  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/10/15 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 read 'Paul Shrewsbury', written in a cursive style.

Paul Shrewsbury  
President



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Steve Weathers

Reported:  
06/11/15 06:19

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS14@5'	1506090-01	Soil	06/10/15 08:30	06/10/15 17:30

Summit Scientific 1506090

741 Corporate Circle, Suite J&K · Golden, Colorado 80401  
303-277-9310 303-374-5933

Client: DCP Midstream Project Manager: Steve Weathers Page 1 of 1  
Address: \_\_\_\_\_ E-Mail: swweathers@dcpmidstream.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: Eaton Commons  
Sampler Name: Brian Humphrey Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested				Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	8260 GATEX	8015 DRO		
1	SS14@5'	6/10/15	0830	1			X			X		X	X			
2																
3																
4																
5																
6																
7																
8																
9																
10																

Relinquished by: <u>[Signature]</u> Date/Time: <u>6/10/15</u>	Received by: <u>[Signature]</u> Date/Time: <u>6/10/15 1700</u>	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours ___ 24 hours ___ Standard ___ 48 hours ___ Sample integrity: Temperature Upon Receipt: <u>4.5°C</u> Intact: <input checked="" type="checkbox"/> Yes No	Notes: <u>Please CC Brian Humphrey w/ Timen</u>  <u>on ice</u>
Relinquished by: <u>[Signature]</u> Date/Time: <u>6/10/15 1730</u>	Received by: <u>[Signature]</u> Date/Time: <u>6/10 1730</u>		
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____		

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Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Steve Weathers

Reported:  
06/11/15 06:19

SS14@5'  
1506090-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 06/10/15 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506126	06/10/15	06/10/15	8015M	

Date Sampled: 06/10/15 08:30

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: 06/10/15 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0018	mg/kg	1	1506125	06/10/15	06/10/15	EPA 8260B	
Toluene	ND	0.0045	"	"	"	"	"	"	
Ethylbenzene	ND	0.0045	"	"	"	"	"	"	
Xylenes (total)	ND	0.0045	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.45	"	"	"	"	"	"	

Date Sampled: 06/10/15 08:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	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.



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Steve Weathers

Reported:  
06/11/15 06:19

**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 1506126 - EPA 3550A**

<b>Blank (1506126-BLK1)</b>				Prepared & Analyzed: 06/10/15							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -Terphenyl	13.2		"	12.2		108	30-150				
<b>LCS (1506126-BS1)</b>				Prepared & Analyzed: 06/10/15							
C10-C28 (DRO)	501	50	mg/kg	501	99.9	73-134					
Surrogate: <i>o</i> -Terphenyl	13.0		"	12.2		106	30-150				
<b>Matrix Spike (1506126-MS1)</b>				Source: 1506088-01		Prepared & Analyzed: 06/10/15					
C10-C28 (DRO)	494	50	mg/kg	474	23.4	99.4	50-148				
Surrogate: <i>o</i> -Terphenyl	12.3		"	11.5		106	30-150				
<b>Matrix Spike Dup (1506126-MSD1)</b>				Source: 1506088-01		Prepared & Analyzed: 06/10/15					
C10-C28 (DRO)	520	50	mg/kg	488	23.4	102	50-148	5.18	13		
Surrogate: <i>o</i> -Terphenyl	13.0		"	11.9		109	30-150				

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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Steve Weathers

Reported:  
06/11/15 06:19

**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 1506125 - EPA 5030 Soil MS**

**Blank (1506125-BLK1)**

Prepared & Analyzed: 06/10/15

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0396		106	23-173			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0400		103	21-167			

**LCS (1506125-BS1)**

Prepared & Analyzed: 06/10/15

Benzene	0.108	0.0020	mg/kg	0.100		108	58-130			
Toluene	0.114	0.0050	"	0.100		114	61-134			
Ethylbenzene	0.130	0.0050	"	0.0992		132	74-139			
m,p-Xylene	0.255	0.010	"	0.200		128	73-137			
o-Xylene	0.134	0.0050	"	0.0984		137	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0438		"	0.0396		111	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		104	21-167			

**Matrix Spike (1506125-MS1)**

Source: 1506088-01

Prepared & Analyzed: 06/10/15

Benzene	0.104	0.0020	mg/kg	0.0936	ND	111	30-131			
Toluene	0.111	0.0050	"	0.0936	ND	119	30-134			
Ethylbenzene	0.126	0.0050	"	0.0929	ND	136	22-153			
m,p-Xylene	0.246	0.010	"	0.187	ND	132	10-159			
o-Xylene	0.129	0.0050	"	0.0921	ND	140	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0417		"	0.0371		112	23-173			
Surrogate: Toluene-d8	0.0370		"	0.0375		98.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0375		102	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.



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Steve Weathers

Reported:  
06/11/15 06:19

**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 1506125 - EPA 5030 Soil MS**

Matrix Spike Dup (1506125-MSD1)	Source: 1506088-01			Prepared & Analyzed: 06/10/15						
Benzene	0.110	0.0020	mg/kg	0.0969	ND	113	30-131	5.41	34	
Toluene	0.117	0.0050	"	0.0969	ND	120	30-134	4.81	30	
Ethylbenzene	0.131	0.0050	"	0.0961	ND	137	22-153	3.74	24	
m,p-Xylene	0.255	0.010	"	0.193	ND	132	10-159	3.47	68	
o-Xylene	0.132	0.0050	"	0.0953	ND	138	31-151	2.36	38	
Surrogate: 1,2-Dichloroethane-d4	0.0438		"	0.0384		114	23-173			
Surrogate: Toluene-d8	0.0394		"	0.0388		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0388		101	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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Steve Weathers

**Reported:**  
06/11/15 06:19

### 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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 16, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/15/15 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/16/15 06:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS15@6'	1506139-01	Soil	06/15/15 13:00	06/15/15 18:00

# Summit Scientific 1506139

S<sub>2</sub>

741 Corporate Circle, Suite J&K ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: DCP Midstream Project Manager: Brian Humphrey  
 Address: \_\_\_\_\_ E-Mail: bhumphry@fasman-geo.com  
 City/State/Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: CR39 and CR74 Eaton Commons  
 Sampler Name: Paul Downey Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions	
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	8160 GTEX	8015 DRD			
1	SS15@6'	6/15/15	13:00	1			X			X			X	X			
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: <u>16:30</u>	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours 24 hours _____ Standard 48 hours _____ Sample Integrity: Temperature Upon Receipt: <u>20.0</u> Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes:  <u>From Field</u>
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____		
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____		

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Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/16/15 06:29

SS15@6'  
1506139-01 (Soil)

Summit Scientific

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: 06/15/15 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506188	06/15/15	06/15/15	8015M	

Date Sampled: 06/15/15 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		113 %	30-150		"	"	"	"	

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

Date Sampled: 06/15/15 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1506187	06/15/15	06/15/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 06/15/15 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	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.



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/16/15 06:29

**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 1506188 - EPA 3550A**

<b>Blank (1506188-BLK1)</b>				Prepared & Analyzed: 06/15/15							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -Terphenyl	16.8		"	12.2		138	30-150				
<b>LCS (1506188-BS1)</b>				Prepared & Analyzed: 06/15/15							
C10-C28 (DRO)	591	50	mg/kg	501		118	73-134				
Surrogate: <i>o</i> -Terphenyl	15.5		"	12.2		127	30-150				
<b>Matrix Spike (1506188-MS1)</b>				Source: 1506137-01		Prepared & Analyzed: 06/15/15					
C10-C28 (DRO)	625	50	mg/kg	464	14.4	132	50-148				
Surrogate: <i>o</i> -Terphenyl	15.2		"	11.3		135	30-150				
<b>Matrix Spike Dup (1506188-MSD1)</b>				Source: 1506137-01		Prepared & Analyzed: 06/15/15					
C10-C28 (DRO)	605	50	mg/kg	463	14.4	128	50-148	3.28		13	
Surrogate: <i>o</i> -Terphenyl	14.8		"	11.3		131	30-150				

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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/16/15 06:29

**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 1506187 - EPA 5030 Soil MS**

**Blank (1506187-BLK1)**

Prepared & Analyzed: 06/15/15

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>0.0435</i>		<i>"</i>	<i>0.0396</i>		<i>110</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

**LCS (1506187-BS1)**

Prepared & Analyzed: 06/15/15

Benzene	0.104	0.0020	mg/kg	0.100		104	58-130			
Toluene	0.111	0.0050	"	0.100		111	61-134			
Ethylbenzene	0.120	0.0050	"	0.0992		121	74-139			
m,p-Xylene	0.235	0.010	"	0.200		117	73-137			
o-Xylene	0.122	0.0050	"	0.0984		124	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0419</i>		<i>"</i>	<i>0.0396</i>		<i>106</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0413</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

**Matrix Spike (1506187-MS1)**

Source: 1506137-01

Prepared & Analyzed: 06/15/15

Benzene	0.104	0.0020	mg/kg	0.0942	ND	111	30-131			
Toluene	0.110	0.0050	"	0.0942	ND	117	30-134			
Ethylbenzene	0.122	0.0050	"	0.0934	ND	131	22-153			
m,p-Xylene	0.237	0.010	"	0.188	ND	126	10-159			
o-Xylene	0.124	0.0050	"	0.0927	ND	134	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0431</i>		<i>"</i>	<i>0.0373</i>		<i>116</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0379</i>		<i>"</i>	<i>0.0377</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0384</i>		<i>"</i>	<i>0.0377</i>		<i>102</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/16/15 06:29

**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 1506187 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1506187-MSD1)</b>	<b>Source: 1506137-01</b>			<b>Prepared &amp; Analyzed: 06/15/15</b>						
Benzene	0.0982	0.0018	mg/kg	0.0882	ND	111	30-131	5.83	34	
Toluene	0.106	0.0044	"	0.0882	ND	120	30-134	3.99	30	
Ethylbenzene	0.118	0.0044	"	0.0875	ND	135	22-153	3.35	24	
m,p-Xylene	0.230	0.0088	"	0.176	ND	131	10-159	2.86	68	
o-Xylene	0.120	0.0044	"	0.0868	ND	139	31-151	3.25	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0415</i>		<i>"</i>	<i>0.0349</i>		<i>119</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0360</i>		<i>"</i>	<i>0.0353</i>		<i>102</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0359</i>		<i>"</i>	<i>0.0353</i>		<i>102</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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/16/15 06:29

### 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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 17, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/16/15 17:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury  
President



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/17/15 06:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS16@8'	1506144-01	Soil	06/16/15 10:00	06/16/15 17:50

Summit Scientific 1506144

741 Corporate Circle, Suite J&K · Golden, Colorado 80401  
303-277-9310 · 303-374-5933

Client: Tasman Project Manager: Brian Humphrey Page 1 of 1  
Address: \_\_\_\_\_ E-Mail: bhumphrey@tasman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: Eaton Commons  
Sampler Name: Paul Dawney Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Analysis Requested				Special Instructions		
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)					
1	SS16@8'	6/16/15	1000	1			X			X							
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: [Signature] Date/Time: 6/16/15 Received by: [Signature] Date/Time: 6/15/15 17:15  
 Relinquished by: [Signature] Date/Time: 6/16/15 17:50 Received by: [Signature] Date/Time: 6/16 12:50  
 Turn Around Time (Check): Same Day  72 hours  24 hours  Standard  48 hours   
 Sample Integrity: Temperature Upon Receipt: 5.2°C  
 Intact:  Yes  No

Notes: on ice

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Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/17/15 06:36

**SS16@8'**  
**1506144-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/16/15 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1506206	06/16/15	06/16/15	8015M	

Date Sampled: **06/16/15 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		110 %	30-150		"	"	"	"	

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

Date Sampled: **06/16/15 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.16</b>	0.0020	mg/kg	1	1506205	06/16/15	06/16/15	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/16/15 10:00**

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		103 %	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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/17/15 06:36

**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 1506206 - EPA 3550A**

**Blank (1506206-BLK1)**

Prepared & Analyzed: 06/16/15

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	14.0		"	12.2		115	30-150				

**LCS (1506206-BS1)**

Prepared & Analyzed: 06/16/15

C10-C28 (DRO)	557	50	mg/kg	501		111	73-134				
<i>Surrogate: o-Terphenyl</i>	13.8		"	12.2		113	30-150				

**Matrix Spike (1506206-MS1)**

Source: 1506144-01

Prepared & Analyzed: 06/16/15

C10-C28 (DRO)	564	50	mg/kg	476	7.80	117	50-148				
<i>Surrogate: o-Terphenyl</i>	13.9		"	11.6		120	30-150				

**Matrix Spike Dup (1506206-MSD1)**

Source: 1506144-01

Prepared & Analyzed: 06/16/15

C10-C28 (DRO)	624	50	mg/kg	485	7.80	127	50-148	10.0	13		
<i>Surrogate: o-Terphenyl</i>	15.2		"	11.8		129	30-150				

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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/17/15 06:36

**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 1506205 - EPA 5030 Soil MS**

**Blank (1506205-BLK1)**

Prepared & Analyzed: 06/16/15

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>0.0444</i>		<i>"</i>	<i>0.0396</i>		<i>112</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0417</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>			

**LCS (1506205-BS1)**

Prepared & Analyzed: 06/16/15

Benzene	0.104	0.0020	mg/kg	0.100		104	58-130			
Toluene	0.111	0.0050	"	0.100		111	61-134			
Ethylbenzene	0.123	0.0050	"	0.0992		124	74-139			
m,p-Xylene	0.243	0.010	"	0.200		122	73-137			
o-Xylene	0.126	0.0050	"	0.0984		128	73-141			
<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>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.4</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0412</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>21-167</i>			

**Matrix Spike (1506205-MS1)**

Source: 1506144-01

Prepared & Analyzed: 06/16/15

Benzene	0.286	0.0020	mg/kg	0.0942	0.161	133	30-131			
Toluene	0.113	0.0050	"	0.0942	ND	120	30-134			
Ethylbenzene	0.127	0.0050	"	0.0934	ND	136	22-153			
m,p-Xylene	0.248	0.010	"	0.188	0.00387	130	10-159			
o-Xylene	0.128	0.0050	"	0.0927	ND	138	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0439</i>		<i>"</i>	<i>0.0373</i>		<i>118</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0379</i>		<i>"</i>	<i>0.0377</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0387</i>		<i>"</i>	<i>0.0377</i>		<i>103</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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/17/15 06:36

**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 1506205 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1506205-MSD1)</b>	<b>Source: 1506144-01</b>			<b>Prepared &amp; Analyzed: 06/16/15</b>						
Benzene	0.236	0.0020	mg/kg	0.0923	0.161	81.7	30-131	19.1	34	
Toluene	0.110	0.0050	"	0.0923	ND	120	30-134	2.23	30	
Ethylbenzene	0.123	0.0050	"	0.0915	ND	134	22-153	3.35	24	
m,p-Xylene	0.243	0.010	"	0.184	0.00387	130	10-159	2.34	68	
o-Xylene	0.124	0.0050	"	0.0908	ND	137	31-151	3.18	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0439</i>		<i>"</i>	<i>0.0365</i>		<i>120</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0371</i>		<i>"</i>	<i>0.0369</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0364</i>		<i>"</i>	<i>0.0369</i>		<i>98.6</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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/17/15 06:36

### 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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 12, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/11/15 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/12/15 06:17

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01	1506103-01	Water	06/11/15 11:11	06/11/15 18:00
BH02	1506103-02	Water	06/11/15 11:14	06/11/15 18:00
BH04	1506103-03	Water	06/11/15 11:43	06/11/15 18:00
BH05	1506103-04	Water	06/11/15 11:26	06/11/15 18:00

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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/12/15 06:17

# Summit Scientific 1506103

741 Corporate Circle, Suite J&K • Golden, Colorado 80401  
303-277-9310 • 303-374-5933

Client: Tasman / DCP Midstream Project Manager: Brian Humphrey Page 1 of 1  
Address: \_\_\_\_\_ E-Mail: bhumphrey@tasmangeo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: Eaton Commons  
Sampler Name: Kate Forman Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)				
1	BH01	6/11/15	1111	3	X				X							
2	BH02		1114	3												
3	BH04		1143	2												
4	BH05		1126	2												
5																
6																
7																
8																
9																
10																

Relinquished by: <u>Best for 6/11/15</u>	Date/Time: _____	Received by: <u>[Signature]</u>	Date/Time: <u>6/11/15 1630</u>	Turn Around Time (Check) Same Day _____ 72 hours _____ 24 hours <input checked="" type="checkbox"/> Standard _____ 48 hours _____ Sample integrity: Temperature Upon Receipt: <u>6.3</u> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Notes:  <u>on ice</u>
Relinquished by: <u>[Signature]</u>	Date/Time: <u>6/11/15 1800</u>	Received by: _____	Date/Time: _____		
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____		

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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/12/15 06:17

**BH01**  
**1506103-01 (Water)**

**Summit Scientific**

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

Date Sampled: **06/11/15 11:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1506142	06/11/15	06/11/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/11/15 11:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.2 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.9 %	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.*



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

Project: Eaton Commons

Project Number: [none]  
 Project Manager: Brian Humphrey

**Reported:**  
 06/12/15 06:17

**BH02**  
**1506103-02 (Water)**

**Summit Scientific**

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

Date Sampled: **06/11/15 11:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1506142	06/12/15	06/12/15	EPA 8260B	
<b>Toluene</b>	<b>4.3</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.7</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>14</b>	1.0	"	"	"	"	"	"	

Date Sampled: **06/11/15 11:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.0 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.6 %	45-146		"	"	"	"	

Summit Scientific

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

Project: Eaton Commons

Project Number: [none]  
 Project Manager: Brian Humphrey

**Reported:**  
 06/12/15 06:17

**BH04**  
**1506103-03 (Water)**

**Summit Scientific**

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

Date Sampled: **06/11/15 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1506142	06/12/15	06/12/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/11/15 11:43**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>102 %</i>	<i>37-154</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>94.7 %</i>	<i>45-149</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>45-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Summit Scientific

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

Project: Eaton Commons

Project Number: [none]  
 Project Manager: Brian Humphrey

**Reported:**  
 06/12/15 06:17

**BH05**  
**1506103-04 (Water)**

**Summit Scientific**

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

Date Sampled: **06/11/15 11:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1506142	06/12/15	06/12/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/11/15 11:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>104 %</i>	<i>37-154</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>95.5 %</i>	<i>45-149</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>100 %</i>	<i>45-146</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
06/12/15 06:17

### 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 1506142 - EPA 5030 Water MS

##### Blank (1506142-BLK1)

Prepared & Analyzed: 06/11/15

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.2		102	37-154			
Surrogate: Toluene-d8	12.6		"	13.3		94.1	45-149			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	45-146			

##### LCS (1506142-BS1)

Prepared & Analyzed: 06/12/15

Benzene	38.1	1.0	ug/l	33.3		114	51-132			
Toluene	33.2	1.0	"	33.3		99.6	51-138			
Ethylbenzene	41.0	1.0	"	33.1		124	58-146			
m,p-Xylene	83.3	2.0	"	66.5		125	57-144			
o-Xylene	40.8	1.0	"	32.8		124	53-146			
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.2		121	37-154			
Surrogate: Toluene-d8	12.5		"	13.3		94.0	45-149			
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3		89.6	45-146			

##### Matrix Spike (1506142-MS1)

Source: 1506103-01

Prepared & Analyzed: 06/12/15

Benzene	38.2	1.0	ug/l	33.3	ND	115	34-141			
Toluene	33.3	1.0	"	33.3	ND	99.9	27-151			
Ethylbenzene	37.6	1.0	"	33.1	ND	114	29-160			
m,p-Xylene	76.8	2.0	"	66.5	ND	115	20-166			
o-Xylene	38.1	1.0	"	32.8	ND	116	33-159			
Surrogate: 1,2-Dichloroethane-d4	16.2		"	13.2		123	37-154			
Surrogate: Toluene-d8	12.9		"	13.3		96.9	45-149			
Surrogate: 4-Bromofluorobenzene	11.4		"	13.3		85.4	45-146			

Summit Scientific

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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/12/15 06:17

**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 1506142 - EPA 5030 Water MS**

<b>Matrix Spike Dup (1506142-MSD1)</b>	<b>Source: 1506103-01</b>			<b>Prepared &amp; Analyzed: 06/12/15</b>						
Benzene	38.1	1.0	ug/l	33.3	ND	114	34-141	0.236	32	
Toluene	33.2	1.0	"	33.3	ND	99.6	27-151	0.241	25	
Ethylbenzene	41.0	1.0	"	33.1	ND	124	29-160	8.55	50	
m,p-Xylene	83.3	2.0	"	66.5	ND	125	20-166	8.21	36	
o-Xylene	40.8	1.0	"	32.8	ND	124	33-159	6.67	26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.9</i>		<i>"</i>	<i>13.2</i>		<i>121</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.5</i>		<i>"</i>	<i>13.3</i>		<i>94.0</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>11.9</i>		<i>"</i>	<i>13.3</i>		<i>89.6</i>	<i>45-146</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.*



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

Project: Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/12/15 06:17

### 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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 15, 2015

Brian Humphrey

DCP Midstream

370 17th Street #2500

Denver, CO 80202

RE: CR39 + CR74 Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/15/15 11:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

DRAFT REPORT

DATA SUBJECT TO CHANGE



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/15/15 13:38

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH03	1506135-01	Water	06/15/15 09:00	06/15/15 11:20

---

DRAFT REPORT

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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
 Project Manager: Brian Humphrey

**Reported:**  
 06/15/15 13:38

**BH03**  
**1506135-01 (Water)**

**Summit Scientific**

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

Date Sampled: **06/15/15 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>2600</b>	10	ug/l	10	1506179	06/15/15	06/15/15	EPA 8260B	
<b>Toluene</b>	<b>1.2</b>	1.0	"	1	"	"	06/15/15	"	
<b>Ethylbenzene</b>	<b>14</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>70</b>	1.0	"	"	"	"	"	"	

Date Sampled: **06/15/15 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		63.4 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.1 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.4 %	45-146		"	"	"	"	

DRAFT REPORT

*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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/15/15 13:38

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

DRAFT REPORT

*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.*



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

Project: CR39 + CR74 Eaton Commons

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
06/15/15 13:38

### 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

---

DRAFT REPORT

*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.*

**ATTACHMENT B**

**Table 1**  
**Vapor Sample Analytical Results Summary Table**  
**301 Hickory St., Eaton, CO**

Compound	Indoor Air					Outdoor Air		CDPHE Indoor Air Residential Action Levels (March 2012)	EPA (2011) Residential Indoor Air Background Range (50th %)	EPA (2011) Residential Indoor Air Background Range (90th %)
	Basement		Main Floor		Garage	June 2015	July 2015			
	June 2015	July 2015	June 2015	July 2015	July 2015					
Benzene	<b>8</b>	<b>3.5</b>	<b>11</b>	<b>4.1</b>	<b>120</b>	2	2.6	3.1	<RL - 4.7	5.2 - 15
Toluene	13	11	35	14	460	8.6	6	5200	4.8 - 24	25 - 77
Ethylbenzene	2.9	2.2	6.4	3.3	<b>140</b>	<0.43	1.6	9.7	1 - 3.7	4.8 - 13
Total Xylenes	12	12	33	16	<b>760</b>	<0.43	17	100		

- Notes:
- All Concentrations in micrograms per meter cubed ( $\mu\text{g}/\text{m}^3$ )
  - Bold values exceed the CDPHE Residential Action Level
  - EPA (2011) - Background Indoor Air Concentration of Volatile Organic Compounds in North American Residences (1990 - 2005): A Compilation of Statistics for Assessing Vapor Intrusion; US Environmental Protection Agency, OSWER, EPA 530-R-10-001

**Table 1**  
**Vapor Sample Analytical Results Summary Table**  
**940 E. 3rd St., Eaton, CO**

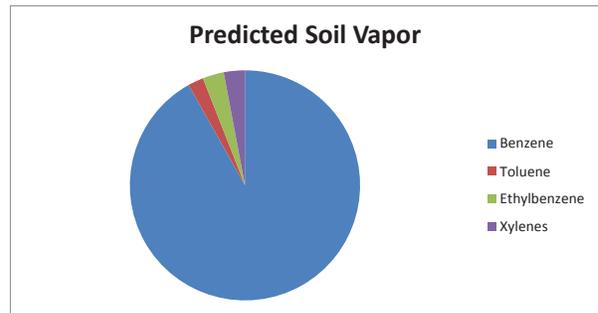
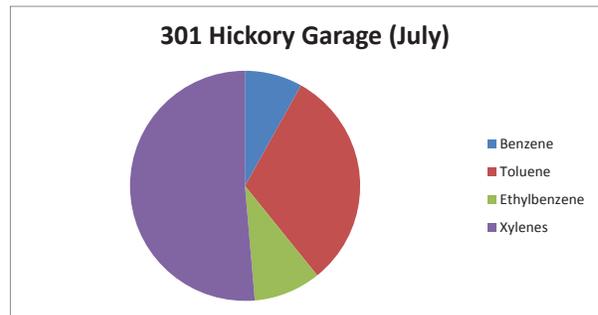
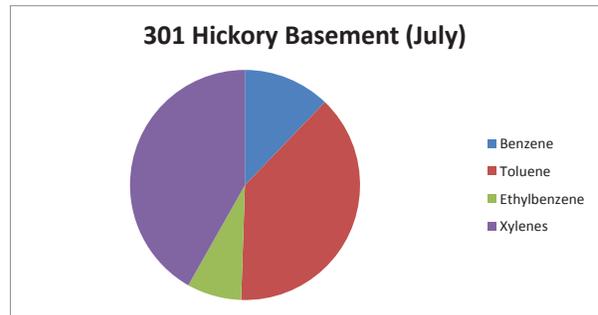
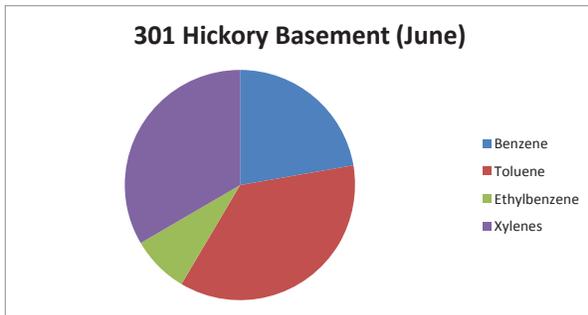
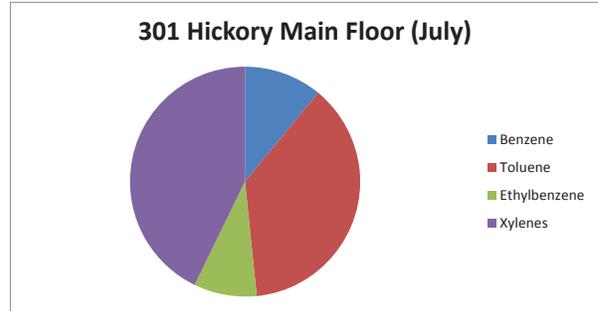
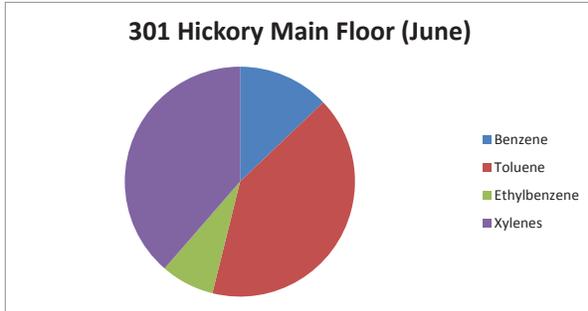
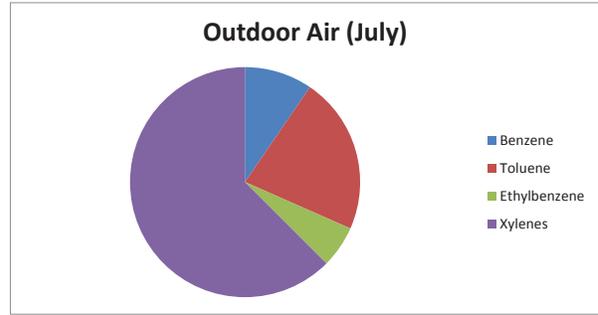
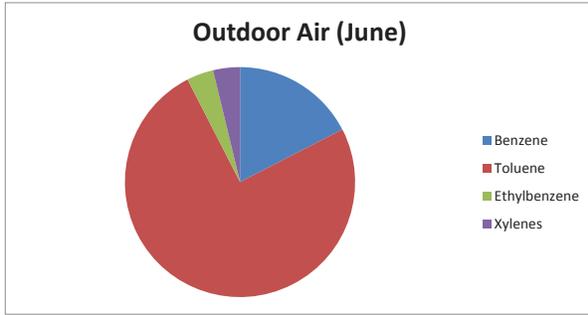
Compound	Indoor Air					Outdoor Air		CDPHE Indoor Air Residential Action Levels (March 2012)	EPA (2011) Residential Indoor Air Background Range (50th %)	EPA (2011) Residential Indoor Air Background Range (90th %)
	Basement		Main Floor		Garage	June 2015	July 2015			
	June 2015	July 2015	June 2015	July 2015	July 2015					
Benzene	<b>4.7</b>	<b>27</b>	<b>5.6</b>	<b>29</b>	<b>220</b>	2	2.6	3.1	<RL - 4.7	5.2 - 15
Toluene	21	130	25	140	550	8.6	6	5200	4.8 - 24	25 - 77
Ethylbenzene	3.6	<b>23</b>	3.9	<b>24</b>	<b>200</b>	<0.43	1.6	9.7	1 - 3.7	4.8 - 13
Total Xylenes	17	<b>100</b>	18	<b>100</b>	<b>860</b>	<0.43	17	100		

Notes:

- All Concentrations in micrograms per meter cubed (µg/m3)
- Bold values exceed the CDPHE Residential Action Level
- EPA (2011) - Background Indoor Air Concentration of Volatile Organic Compounds in North American Residences (1990 - 2005): A Compilation of Statistics for Assessing Vapor Intrusion; US Environmental Protection Agency, OSWER, EPA 530-R-10-001

# BTEX Ratio Plots

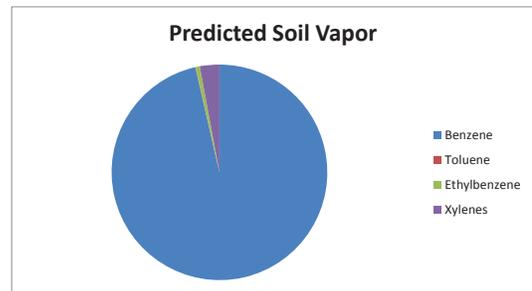
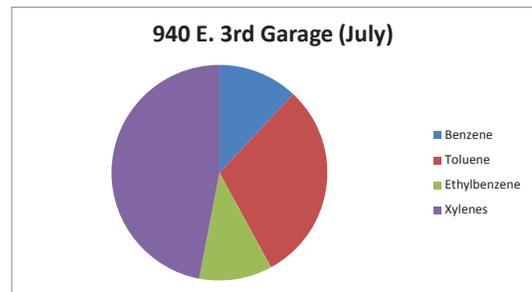
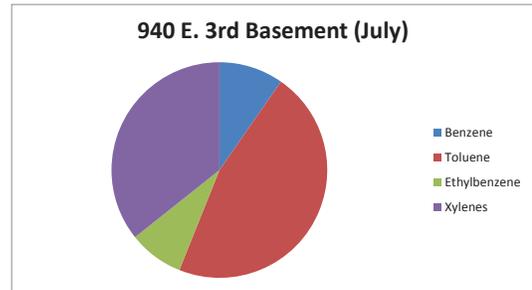
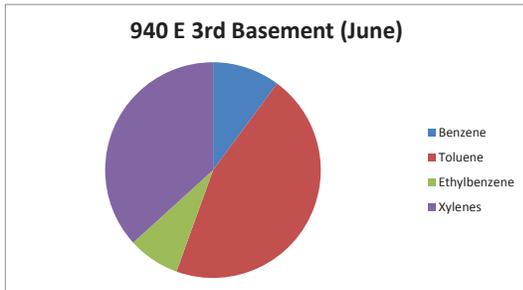
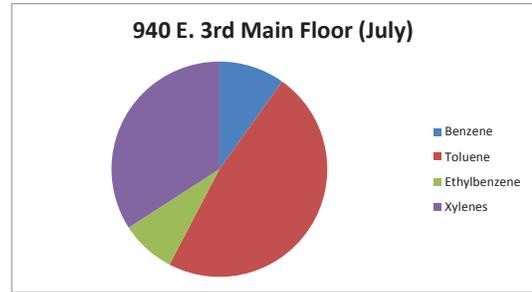
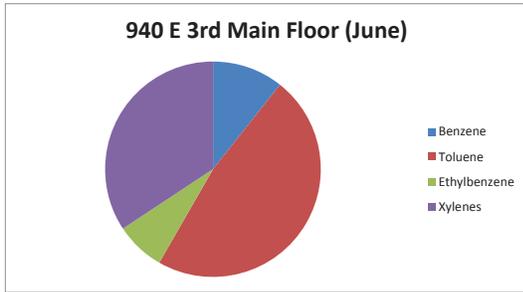
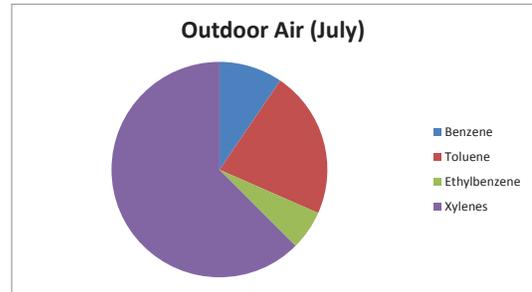
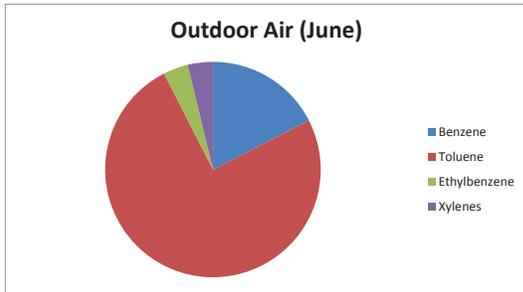
## 301 Hickory St., Eaton, CO



Note:  
The Predicted Soil Vapor plots are based on the groundwater concentrations that were observed from the GW01 analytical results multiplied by the Henry's Law Constant for each compound to convert the expected vapor concentrations at equilibrium.

# BTEX Ratio Plots

940 E. 3rd St., Eaton, CO



**Note:**

The Predicted Soil Vapor plots are based on the groundwater concentrations that were observed from monitoring well BHO3 analytical results multiplied by the Henry's Law Constant for each compound to convert the expected vapor concentrations at equilibrium.

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 06, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 06/05/15 15:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President

S<sub>2</sub>

Project:

Project Number:  
Project Manager:

Reported:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
-----------	---------------	--------	--------------	---------------



2 Oakwood Park Plaza, Suite 100  
Castle Rock, Colorado 80104  
Phone: 303.850.7606  
Fax: 303.850.7609  
www.ecs-corp.com

Chain of Custody Record (COC)

1506041

COC # 14365

PROJECT INFORMATION					ANALYSES REQUESTED	TURN-AROUND-TIME (TAT)	REMARKS
Project Number:	Project Name:						
EATON COMMONS	EATON COMMONS				NUMBER OF CONTAINERS TO-15 BTEX	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Other <u>ASAP</u>	Work Order Number: (for lab use only)
Report To:	DCP Midstream - Steve Weathers, Tasman - Brian H.						
Telephone:	720-633-5143						
Fax / E-Mail:	BHOMPHEP@TASMAN-GEO.COM						
SAMPLE NUMBER / IDENTIFICATION	Date	Time	Matrix	Container & Size**	CANISTER ID	REMARKS	LAB #
940 E 3 <sup>rd</sup> - B	6/4	1223	A	SU 1	0695	Basement	
940 E 3 <sup>rd</sup> - M	6/4	1233	A	SU 1	4084	Main Floor	
Background	6/4	1246	A	SU 1	2573	Outdoor SW corner 940	
301 Hickory - B	6/4	1429	A	SU 1	2522	Basement	
301 Hickory - M	6/4	1434	A	SU 1	2511	main floor	

SIGNATURE		PRINT NAME	COMPANY	DATE	TIME
1a Relinquished By: <i>[Signature]</i>		Daniel Wade	Tasman Geosciences	6/5/15	1545
1b Received By: <i>[Signature]</i>		Nakita Horton	Summit Scientific	6/5/15	1545
2a Relinquished By: <i>[Signature]</i>		Nakita Horton	Summit Scientific	6/5/15	1700
2b Received By: <i>[Signature]</i>		EKIS MAS CARENAS	ECS	6.5.15	1700
3a Relinquished By:					
3b Received By:					

THE ABOVE SIGNED HAS READ AND UNDERSTANDS THE CREDIT TERMS AND CREDIT POLICIES OF ECS, INC. AND AGREES TO THE TERMS AND CONDITIONS AS SET FORTH IN THIS AGREEMENT.  
 \*Matrix Key: AQ = Aqueous AR = Air SO = Soil WA = Waste OT = Other Preservative: H = HCl N = Nitric SF = Sulfuric  
 \*\*Container: A = Amber B = Brass C = Clear Glass P = Plastic S = Soil Jar SU = Summa PF = PUF T = Tedlar TU = Tube OT = Other  
 Page 1 of 1

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.



*Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com*

June 06, 2015

Paul Shrewsbury  
Summit Scientific  
741 Corporate Circle  
Suite I  
Golden, CO 80401  
TEL: (303) 277-9310  
FAX (303) 374-5933

RE: Eaton Commons

Order No.: 1506017

Dear Paul Shrewsbury:

Environmental Chemistry Services, Inc. received 5 sample(s) on 6/5/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report, , unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call or email.

TEL: (303) 850-7606 ext:300  
kris@ecs-corp.com

Sincerely,

A handwritten signature in purple ink, appearing to be "Kris", written over a light blue horizontal line.

Kris Mascarenas  
Director of Client Services  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885

Original

Page 1 of 9



Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com

## Case Narrative

WO#: 1506017  
Date: 6/6/2015

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**CLIENT:** Summit Scientific  
**Project:** Eaton Commons

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This report in its entirety consists of the documents listed below. All documents contain the Environmental Chemistry Services, Inc. Work Order Number assigned to this report.

1. Paginated Report including: A Cover Letter, Case Narrative, Analytical Results, and Applicable Quality Control Reports.
2. Copies of the Chain of Custody Document(s) supplied with this sample set.
3. Electronic Data Deliverables (EDD) if requested.

All samples were analyzed in accordance with "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition." The method used is the Compendium Method TO-15 for the Determination of Volatile Organic Compounds (VOCs) in air collected in specially prepared canisters and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

REF:

Center for Environmental Research Information  
Office of Research and Development  
U.S. Environmental Protection Agency  
Cincinnati, OH 45268  
January 1999

Any comments or problems with the analytical events associated with this report are noted below.

**Environmental Chemistry Services, Inc.**

Date: 06-Jun-15

**Client:** Summit Scientific  
**Work Order:** 1506017  
**Project:** Eaton Commons  
**Lab ID:** 1506017-01A

**Client Sample ID:** 940 E 3rd-B  
**Canister ID:** 0695  
**Collection Date:** 6/4/2015 12:23:00 PM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX</b>						Analyst: <b>TSM</b>
		Method: <b>TO-15</b>				
Benzene	4.7	0.32		µg/m <sup>3</sup>	1	6/5/2015 10:45:00 PM
Toluene	21	0.38		µg/m <sup>3</sup>	1	6/5/2015 10:45:00 PM
Ethylbenzene	3.6	0.43		µg/m <sup>3</sup>	1	6/5/2015 10:45:00 PM
Xylenes, Total	17	0.43		µg/m <sup>3</sup>	1	6/5/2015 10:45:00 PM
Surr: Toluene-d8	97.0	30-170		%REC	1	6/5/2015 10:45:00 PM
Surr: 4-Bromofluorobenzene	99.4	30-170		%REC	1	6/5/2015 10:45:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 06-Jun-15

**Client:** Summit Scientific  
**Work Order:** 1506017  
**Project:** Eaton Commons  
**Lab ID:** 1506017-02A

**Client Sample ID:** 940 E 3rd-M  
**Canister ID:** 4084  
**Collection Date:** 6/4/2015 12:33:00 PM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX</b>						
		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	5.6	0.32		µg/m <sup>3</sup>	1	6/5/2015 11:38:00 PM
Toluene	25	0.38		µg/m <sup>3</sup>	1	6/5/2015 11:38:00 PM
Ethylbenzene	3.9	0.43		µg/m <sup>3</sup>	1	6/5/2015 11:38:00 PM
Xylenes, Total	18	0.43		µg/m <sup>3</sup>	1	6/5/2015 11:38:00 PM
Surr: Toluene-d8	88.4	30-170		%REC	1	6/5/2015 11:38:00 PM
Surr: 4-Bromofluorobenzene	91.5	30-170		%REC	1	6/5/2015 11:38:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 06-Jun-15

**Client:** Summit Scientific  
**Work Order:** 1506017  
**Project:** Eaton Commons  
**Lab ID:** 1506017-03A

**Client Sample ID:** Background  
**Canister ID:** 2573  
**Collection Date:** 6/4/2015 12:46:00 PM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX</b>		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	2.0	0.32		µg/m <sup>3</sup>	1	6/6/2015 12:36:00 AM
Toluene	8.6	0.38		µg/m <sup>3</sup>	1	6/6/2015 12:36:00 AM
Ethylbenzene	ND	0.43		µg/m <sup>3</sup>	1	6/6/2015 12:36:00 AM
Xylenes, Total	ND	0.43		µg/m <sup>3</sup>	1	6/6/2015 12:36:00 AM
Surr: Toluene-d8	93.7	30-170		%REC	1	6/6/2015 12:36:00 AM
Surr: 4-Bromofluorobenzene	94.7	30-170		%REC	1	6/6/2015 12:36:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 06-Jun-15

**Client:** Summit Scientific  
**Work Order:** 1506017  
**Project:** Eaton Commons  
**Lab ID:** 1506017-04A

**Client Sample ID:** 301 Hickory-B  
**Canister ID:** 2522  
**Collection Date:** 6/4/2015 2:29:00 PM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX</b>		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	8.0	0.32		µg/m <sup>3</sup>	1	6/6/2015 1:29:00 AM
Toluene	13	0.38		µg/m <sup>3</sup>	1	6/6/2015 1:29:00 AM
Ethylbenzene	2.9	0.43		µg/m <sup>3</sup>	1	6/6/2015 1:29:00 AM
Xylenes, Total	12	0.43		µg/m <sup>3</sup>	1	6/6/2015 1:29:00 AM
Surr: Toluene-d8	95.0	30-170		%REC	1	6/6/2015 1:29:00 AM
Surr: 4-Bromofluorobenzene	96.4	30-170		%REC	1	6/6/2015 1:29:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 06-Jun-15

**Client:** Summit Scientific  
**Work Order:** 1506017  
**Project:** Eaton Commons  
**Lab ID:** 1506017-05A

**Client Sample ID:** 301 Hickory-M  
**Canister ID:** 2511  
**Collection Date:** 6/4/2015 2:34:00 PM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX</b>						Analyst: <b>TSM</b>
		Method: <b>TO-15</b>				
Benzene	11	0.32		µg/m <sup>3</sup>	1	6/6/2015 2:23:00 AM
Toluene	35	0.38		µg/m <sup>3</sup>	1	6/6/2015 2:23:00 AM
Ethylbenzene	6.4	0.43		µg/m <sup>3</sup>	1	6/6/2015 2:23:00 AM
Xylenes, Total	33	0.43		µg/m <sup>3</sup>	1	6/6/2015 2:23:00 AM
Surr: Toluene-d8	96.5	30-170		%REC	1	6/6/2015 2:23:00 AM
Surr: 4-Bromofluorobenzene	98.2	30-170		%REC	1	6/6/2015 2:23:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1506017**  
**06-Jun-15**

**Client:** Summit Scientific  
**Project:** Eaton Commons

**BatchID: R2024**

Sample ID <b>MBLK</b>	SampType: <b>MBLK</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2024</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R2024</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>26590</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.32	0	0				0			
Toluene	ND	0.38	0	0				0			
Ethylbenzene	ND	0.43	0	0				0			
Xylenes, Total	ND	0.43	0	0				0			
Surr: Toluene-d8	9.8		10.00		98.3	30	170				
Surr: 4-Bromofluorobenzene	8.2		10.00		81.9	30	170				

Sample ID <b>BTEX LCS</b>	SampType: <b>LCS</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2024</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R2024</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>26591</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	34	0.32	32	0	105	30	170	0			
Toluene	41	0.38	38	0	110	30	170	0			
Ethylbenzene	47	0.43	43	0	109	30	170	0			
Xylenes, Total	140	0.43	130	0	106	30	170	0			
Surr: Toluene-d8	11		10.00		107	30	170				
Surr: 4-Bromofluorobenzene	10		10.00		103	30	170				

Sample ID <b>BTEX LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2024</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2024</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>6/6/2015</b>	SeqNo: <b>26602</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	32	0.32	32	0	99.0	30	170	34	6.26	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1506017**  
**06-Jun-15**

**Client:** Summit Scientific  
**Project:** Eaton Commons

**BatchID: R2024**

Sample ID	<b>BTEX LCSD</b>	SampType:	<b>LCSD</b>	TestCode:	<b>TO15B</b>	Units:	<b>µg/m³</b>	Prep Date:		RunNo:	<b>2024</b>
Client ID:	<b>LCSS02</b>	Batch ID:	<b>R2024</b>	TestNo:	<b>TO-15</b>			Analysis Date:	<b>6/6/2015</b>	SeqNo:	<b>26602</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	40	0.38	38	0	105	30	170	41	4.29	30	
Ethylbenzene	46	0.43	43	0	106	30	170	47	2.88	30	
Xylenes, Total	130	0.43	130	0	103	30	170	140	2.99	30	
Surr: Toluene-d8	10		10.00		102	30	170		0	30	
Surr: 4-Bromofluorobenzene	9.6		10.00		96.2	30	170		0	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco



Project:

Project Number:

Project Manager:

Reported:

**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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 08, 2015

Steve Weathers  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 07/02/15 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 read 'P. Shrewsbury', with a stylized, cursive flourish at the end.

Paul Shrewsbury  
President



Project:

Project Number:

Project Manager:

Reported:

**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





*Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com*

July 07, 2015

Paul Shrewsbury  
Summit Scientific  
741 Corporate Circle  
Suite I  
Golden, CO 80401  
TEL: (303) 277-9310  
FAX (303) 374-5933

RE: 1507058

Order No.: 1507005

Dear Paul Shrewsbury:

Environmental Chemistry Services, Inc. received 1 sample(s) on 7/6/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report, , unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call or email.

TEL: (303) 850-7606 ext:300  
kris@ecs-corp.com

Sincerely,

A handwritten signature in purple ink, appearing to be "Kris", written over a light blue horizontal line.

Kris Mascarenas  
Director of Client Services  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885



Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com

## Case Narrative

WO#: 1507005  
Date: 7/7/2015

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**CLIENT:** Summit Scientific  
**Project:** 1507058

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This report in its entirety consists of the documents listed below. All documents contain the Environmental Chemistry Services, Inc. Work Order Number assigned to this report.

1. Paginated Report including: A Cover Letter, Case Narrative, Analytical Results, and Applicable Quality Control Reports.
2. Copies of the Chain of Custody Document(s) supplied with this sample set.
3. Electronic Data Deliverables (EDD) if requested.

All samples were analyzed in accordance with "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition." The method used is the Compendium Method TO-15 for the Determination of Volatile Organic Compounds (VOCs) in air collected in specially prepared canisters and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

REF:

Center for Environmental Research Information  
Office of Research and Development  
U.S. Environmental Protection Agency  
Cincinnati, OH 45268  
January 1999

Any comments or problems with the analytical events associated with this report are noted below.

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507005  
**Project:** 1507058  
**Lab ID:** 1507005-01A

**Client Sample ID:** 1507058-01  
**Canister ID:** 2575  
**Collection Date:** 7/2/2015 10:17:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	2.6	0.32		µg/m <sup>3</sup>	1	7/6/2015 9:51:00 PM
Toluene	6.0	0.38		µg/m <sup>3</sup>	1	7/6/2015 9:51:00 PM
Ethylbenzene	1.6	0.43		µg/m <sup>3</sup>	1	7/6/2015 9:51:00 PM
Xylenes, Total	17	0.43		µg/m <sup>3</sup>	1	7/6/2015 9:51:00 PM
Surr: Toluene-d8	88.2	30-170		%REC	1	7/6/2015 9:51:00 PM
Surr: 4-Bromofluorobenzene	83.6	30-170		%REC	1	7/6/2015 9:51:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1507005**  
**10-Jul-15**

**Client:** Summit Scientific  
**Project:** 1507058

**BatchID:** R2095

Sample ID <b>MBLK</b>	SampType: <b>MBLK</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>		Prep Date:	RunNo: <b>2095</b>					
Client ID: <b>PBW</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>			Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27496</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.32	0	0				0			
Toluene	ND	0.38	0	0				0			
Ethylbenzene	ND	0.43	0	0				0			
Xylenes, Total	ND	0.43	0	0				0			
TVPH	ND	820	0	0				0			
Surr: Toluene-d8	11		10.00		108	30	170				
Surr: 4-Bromofluorobenzene	8.7		10.00		86.8	30	170				

Sample ID <b>BTEX LCS</b>	SampType: <b>LCS</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>		Prep Date:	RunNo: <b>2095</b>					
Client ID: <b>LCSW</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>			Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27497</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	31	0.32	32	0	96.5	30	170	0			
Toluene	37	0.38	38	0	98.4	30	170	0			
Ethylbenzene	46	0.43	43	0	106	30	170	0			
Xylenes, Total	130	0.43	130	0	103	30	170	0			
Surr: Toluene-d8	10		10.00		104	30	170				
Surr: 4-Bromofluorobenzene	9.4		10.00		94.4	30	170				

Sample ID <b>BTEX LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>		Prep Date:	RunNo: <b>2095</b>					
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>			Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27498</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1507005**

**10-Jul-15**

**Client:** Summit Scientific  
**Project:** 1507058

**BatchID: R2095**

Sample ID <b>BTEX LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27498</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	32	0.32	32	0	98.8	30	170	31	2.36	30	
Toluene	38	0.38	38	0	102	30	170	37	3.69	30	
Ethylbenzene	47	0.43	43	0	107	30	170	46	1.41	30	
Xylenes, Total	140	0.43	130	0	104	30	170	130	0.804	30	
Surr: Toluene-d8	11		10.00		108	30	170		0	30	
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	30	170		0	30	

Sample ID <b>TVPH LCS</b>	SampType: <b>LCS</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27499</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	38,000	820	41,000	0	93.5	30	170	0			

Sample ID <b>TVPH LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27500</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	45,000	820	41,000	0	110	30	170	38,000	15.7	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco

**SUBCONTRACT ORDER**

**Summit Scientific**

**1507058**

**SENDING LABORATORY:**

Summit Scientific  
741 Corporate Circle, Suite J  
Golden, CO 80401  
Phone: (303) 277-9310  
Fax: (303) 374-5933  
Project Manager: Paul Shrewsbury

**RECEIVING LABORATORY:**

ECS, Inc.  
2 Oakwood Park Plaza Suite 100  
Castle Rock, CO 80104-1885  
Phone: (303) 850-7606  
Fax: (303) 850-7609

Sum  
1507005

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1507058-01	Air	Sampled: 07/02/15 10:17	[REDACTED]	2575 1230 - 01
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 10:17		
Containers Supplied:				

Released By: Aisha Alder Date: 7/6/15 10:00 Received By: [Signature] Date: 7-6-15 10:00

Released By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 08, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 07/02/15 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 read 'P. Shrewsbury', with a stylized, cursive flourish at the end.

Paul Shrewsbury  
President



Project:

Project Number:

Project Manager:

Reported:

**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





*Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com*

July 07, 2015

Paul Shrewsbury  
Summit Scientific  
741 Corporate Circle  
Suite I  
Golden, CO 80401  
TEL: (303) 277-9310  
FAX (303) 374-5933

RE: 1507059

Order No.: 1507006

Dear Paul Shrewsbury:

Environmental Chemistry Services, Inc. received 3 sample(s) on 7/6/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report, , unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call or email.

TEL: (303) 850-7606 ext:300  
kris@ecs-corp.com

Sincerely,

A handwritten signature in purple ink, appearing to be "Kris", written over a light blue horizontal line.

Kris Mascarenas  
Director of Client Services  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885



Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com

## Case Narrative

WO#: 1507006  
Date: 7/7/2015

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**CLIENT:** Summit Scientific  
**Project:** 1507059

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This report in its entirety consists of the documents listed below. All documents contain the Environmental Chemistry Services, Inc. Work Order Number assigned to this report.

1. Paginated Report including: A Cover Letter, Case Narrative, Analytical Results, and Applicable Quality Control Reports.
2. Copies of the Chain of Custody Document(s) supplied with this sample set.
3. Electronic Data Deliverables (EDD) if requested.

All samples were analyzed in accordance with "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition." The method used is the Compendium Method TO-15 for the Determination of Volatile Organic Compounds (VOCs) in air collected in specially prepared canisters and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

REF:

Center for Environmental Research Information  
Office of Research and Development  
U.S. Environmental Protection Agency  
Cincinnati, OH 45268  
January 1999

Any comments or problems with the analytical events associated with this report are noted below.

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507006  
**Project:** 1507059  
**Lab ID:** 1507006-01A

**Client Sample ID:** 1507059-01  
**Canister ID:** 2522  
**Collection Date:** 7/2/2015 10:01:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>			Analyst: <b>TSM</b>	
Benzene	3.5	0.32		µg/m <sup>3</sup>	1	7/6/2015 10:44:00 PM
Toluene	11	0.38		µg/m <sup>3</sup>	1	7/6/2015 10:44:00 PM
Ethylbenzene	2.2	0.43		µg/m <sup>3</sup>	1	7/6/2015 10:44:00 PM
Xylenes, Total	12	0.43		µg/m <sup>3</sup>	1	7/6/2015 10:44:00 PM
Surr: Toluene-d8	84.9	30-170		%REC	1	7/6/2015 10:44:00 PM
Surr: 4-Bromofluorobenzene	85.6	30-170		%REC	1	7/6/2015 10:44:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507006  
**Project:** 1507059  
**Lab ID:** 1507006-02A

**Client Sample ID:** 1507059-02  
**Canister ID:** 2534  
**Collection Date:** 7/2/2015 9:55:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	4.1	0.32		µg/m <sup>3</sup>	1	7/6/2015 11:35:00 PM
Toluene	14	0.38		µg/m <sup>3</sup>	1	7/6/2015 11:35:00 PM
Ethylbenzene	3.3	0.43		µg/m <sup>3</sup>	1	7/6/2015 11:35:00 PM
Xylenes, Total	16	0.43		µg/m <sup>3</sup>	1	7/6/2015 11:35:00 PM
Surr: Toluene-d8	93.0	30-170		%REC	1	7/6/2015 11:35:00 PM
Surr: 4-Bromofluorobenzene	96.7	30-170		%REC	1	7/6/2015 11:35:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507006  
**Project:** 1507059  
**Lab ID:** 1507006-03A

**Client Sample ID:** 1507059-03  
**Canister ID:** 2524  
**Collection Date:** 7/2/2015 10:07:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>			Analyst: <b>TSM</b>	
Benzene	120	0.32		µg/m <sup>3</sup>	1	7/7/2015 12:26:00 AM
Toluene	460	0.38		µg/m <sup>3</sup>	1	7/7/2015 12:26:00 AM
Ethylbenzene	140	0.43		µg/m <sup>3</sup>	1	7/7/2015 12:26:00 AM
Xylenes, Total	760	0.43		µg/m <sup>3</sup>	1	7/7/2015 12:26:00 AM
Surr: Toluene-d8	92.3	30-170		%REC	1	7/7/2015 12:26:00 AM
Surr: 4-Bromofluorobenzene	101	30-170		%REC	1	7/7/2015 12:26:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1507006**

**10-Jul-15**

**Client:** Summit Scientific  
**Project:** 1507059

**BatchID: R2095**

Sample ID	MBLK	SampType:	MBLK	TestCode:	TO15B	Units:	µg/m <sup>3</sup>	Prep Date:	RunNo:	2095	
Client ID:	PBW	Batch ID:	R2095	TestNo:	TO-15	Analysis Date:	7/6/2015	SeqNo:	27496		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.32	0	0						0	
Toluene	ND	0.38	0	0						0	
Ethylbenzene	ND	0.43	0	0						0	
Xylenes, Total	ND	0.43	0	0						0	
TVPH	ND	820	0	0						0	
Surr: Toluene-d8	11		10.00		108	30	170				
Surr: 4-Bromofluorobenzene	8.7		10.00		86.8	30	170				

Sample ID	BTEX LCS	SampType:	LCS	TestCode:	TO15B	Units:	µg/m <sup>3</sup>	Prep Date:	RunNo:	2095	
Client ID:	LCSW	Batch ID:	R2095	TestNo:	TO-15	Analysis Date:	7/6/2015	SeqNo:	27497		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	31	0.32	32	0	96.5	30	170			0	
Toluene	37	0.38	38	0	98.4	30	170			0	
Ethylbenzene	46	0.43	43	0	106	30	170			0	
Xylenes, Total	130	0.43	130	0	103	30	170			0	
Surr: Toluene-d8	10		10.00		104	30	170				
Surr: 4-Bromofluorobenzene	9.4		10.00		94.4	30	170				

Sample ID	BTEX LCSD	SampType:	LCSD	TestCode:	TO15B	Units:	µg/m <sup>3</sup>	Prep Date:	RunNo:	2095	
Client ID:	LCSS02	Batch ID:	R2095	TestNo:	TO-15	Analysis Date:	7/6/2015	SeqNo:	27498		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco



Environmental Chemistry Services, Inc.  
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 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1507006**

**10-Jul-15**

**Client:** Summit Scientific  
**Project:** 1507059

**BatchID: R2095**

Sample ID <b>BTEX LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27498</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	32	0.32	32	0	98.8	30	170	31	2.36	30	
Toluene	38	0.38	38	0	102	30	170	37	3.69	30	
Ethylbenzene	47	0.43	43	0	107	30	170	46	1.41	30	
Xylenes, Total	140	0.43	130	0	104	30	170	130	0.804	30	
Surr: Toluene-d8	11		10.00		108	30	170		0	30	
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	30	170		0	30	

Sample ID <b>TVPH LCS</b>	SampType: <b>LCS</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27499</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	38,000	820	41,000	0	93.5	30	170	0			

Sample ID <b>TVPH LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27500</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	45,000	820	41,000	0	110	30	170	38,000	15.7	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco

**SUBCONTRACT ORDER**

Summit Scientific

1507059

**SENDING LABORATORY:**

Summit Scientific  
741 Corporate Circle, Suite J  
Golden, CO 80401  
Phone: (303) 277-9310  
Fax: (303) 374-5933  
Project Manager: Paul Shrewsbury

**RECEIVING LABORATORY:**

ECS, Inc.  
2 Oakwood Park Plaza Suite 100  
Castle Rock, CO 80104-1885  
Phone: (303) 850-7606  
Fax: (303) 850-7609

Sum  
1507006

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1507059-01	Air	Sampled:07/02/15 10:01	[REDACTED]	2522 12.34 -01
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 10:01		
<i>Containers Supplied:</i>				
Sample ID: 1507059-02	Air	Sampled:07/02/15 09:55	[REDACTED]	2534 12.36 -02
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 09:55		
<i>Containers Supplied:</i>				
Sample ID: 1507059-03	Air	Sampled:07/02/15 10:07	[REDACTED]	2524 12.25 -03
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 10:07		
<i>Containers Supplied:</i>				

Aisha Waldman 7/6/15 10:00 Released By Date Received By 7-6-15 10:00 Date

Released By Date Received By Date

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 08, 2015

Brian Humphrey  
DCP Midstream  
370 17th Street #2500  
Denver, CO 80202  
RE: Eaton Commons

Enclosed are the results of analyses for samples received by Summit Scientific on 07/02/15 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President

S<sub>2</sub>

Project: Project Number: Project Manager:	Reported:
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
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# Summit Scientific

1507060

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9310 • 303-374-5933 Fax

Page 1 of 1

Client: DCP midstream  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Sampler Name: Dan Wade / Brian Humphrey

Project Manager: Steve Weathers  
 E-Mail: SWweathers@dcpmidstream.com  
 Project Name: Enter Commons  
 Project Number: \_\_\_\_\_

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:										Special Instructions		
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)												
940 E 3 <sup>rd</sup> - B	7/2/15	0930	1			X				2511		X	TD15 - BTEX										
940 E 3 <sup>rd</sup> - M	↓	0926	1							2535													
940 E 3 <sup>rd</sup> - G	↓	0938	1							2690													
Relinquished by: <u>[Signature]</u> Date/Time: <u>7-2-15/1900</u>				Received by: <u>[Signature]</u> Date/Time: <u>7/2/15 1715</u>				Turn Around Time (Check)				Notes:											
Relinquished by: <u>[Signature]</u> Date/Time: <u>7/2/15 1810</u>				Received by: _____ Date/Time: _____				Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>				Please CC Brian Humphrey											
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____				24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>				5-day											
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____				48 Hours <input type="checkbox"/>				Sample Integrity:											
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____				Temperature Upon Receipt: <u>76.0°C</u>				Intact: (Yes) <input checked="" type="checkbox"/> No <input type="checkbox"/>											

www.s2scientific.com



Project:

Project Number:

Project Manager:

Reported:

**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





*Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com*

July 07, 2015

Paul Shrewsbury  
Summit Scientific  
741 Corporate Circle  
Suite I  
Golden, CO 80401  
TEL: (303) 277-9310  
FAX (303) 374-5933

RE: 1507060

Order No.: 1507007

Dear Paul Shrewsbury:

Environmental Chemistry Services, Inc. received 3 sample(s) on 7/6/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report, , unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call or email.

TEL: (303) 850-7606 ext:300  
kris@ecs-corp.com

Sincerely,

A handwritten signature in purple ink, appearing to be "Kris", written over a light blue horizontal line.

Kris Mascarenas  
Director of Client Services  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885



Environmental Chemistry Services, Inc.  
2 Oakwood Park Plaza; 100  
Castle Rock, CO 80104-1885  
TEL: (303) 850-7606 FAX: (303) 850-7609  
Website: www.ecs-corp.com

## Case Narrative

WO#: 1507007  
Date: 7/7/2015

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**CLIENT:** Summit Scientific  
**Project:** 1507060

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This report in its entirety consists of the documents listed below. All documents contain the Environmental Chemistry Services, Inc. Work Order Number assigned to this report.

1. Paginated Report including: A Cover Letter, Case Narrative, Analytical Results, and Applicable Quality Control Reports.
2. Copies of the Chain of Custody Document(s) supplied with this sample set.
3. Electronic Data Deliverables (EDD) if requested.

All samples were analyzed in accordance with "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition." The method used is the Compendium Method TO-15 for the Determination of Volatile Organic Compounds (VOCs) in air collected in specially prepared canisters and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

REF:

Center for Environmental Research Information  
Office of Research and Development  
U.S. Environmental Protection Agency  
Cincinnati, OH 45268  
January 1999

Any comments or problems with the analytical events associated with this report are noted below.

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507007  
**Project:** 1507060  
**Lab ID:** 1507007-01A

**Client Sample ID:** 1507060-01  
**Canister ID:** 2511  
**Collection Date:** 7/2/2015 9:30:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>			Analyst: <b>TSM</b>	
Benzene	27	0.32		µg/m <sup>3</sup>	1	7/7/2015 1:18:00 AM
Toluene	130	0.38		µg/m <sup>3</sup>	1	7/7/2015 1:18:00 AM
Ethylbenzene	23	0.43		µg/m <sup>3</sup>	1	7/7/2015 1:18:00 AM
Xylenes, Total	100	0.43		µg/m <sup>3</sup>	1	7/7/2015 1:18:00 AM
Surr: Toluene-d8	96.5	30-170		%REC	1	7/7/2015 1:18:00 AM
Surr: 4-Bromofluorobenzene	101	30-170		%REC	1	7/7/2015 1:18:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507007  
**Project:** 1507060  
**Lab ID:** 1507007-02A

**Client Sample ID:** 1507060-02  
**Canister ID:** 2535  
**Collection Date:** 7/2/2015 9:26:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	29	0.32		µg/m <sup>3</sup>	1	7/7/2015 2:08:00 AM
Toluene	140	0.38		µg/m <sup>3</sup>	1	7/7/2015 2:08:00 AM
Ethylbenzene	24	0.43		µg/m <sup>3</sup>	1	7/7/2015 2:08:00 AM
Xylenes, Total	100	0.43		µg/m <sup>3</sup>	1	7/7/2015 2:08:00 AM
Surr: Toluene-d8	94.2	30-170		%REC	1	7/7/2015 2:08:00 AM
Surr: 4-Bromofluorobenzene	94.4	30-170		%REC	1	7/7/2015 2:08:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits

**Environmental Chemistry Services, Inc.**

Date: 10-Jul-15

**Client:** Summit Scientific  
**Work Order:** 1507007  
**Project:** 1507060  
**Lab ID:** 1507007-03A

**Client Sample ID:** 1507060-03  
**Canister ID:** 2690  
**Collection Date:** 7/2/2015 9:38:00 AM  
**Matrix:** AIR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>BTEX IN AIR</b>		Method: <b>TO-15</b>				Analyst: <b>TSM</b>
Benzene	220	0.32		µg/m <sup>3</sup>	1	7/7/2015 2:59:00 AM
Toluene	550	0.38		µg/m <sup>3</sup>	1	7/7/2015 2:59:00 AM
Ethylbenzene	200	0.43		µg/m <sup>3</sup>	1	7/7/2015 2:59:00 AM
Xylenes, Total	860	0.43		µg/m <sup>3</sup>	1	7/7/2015 2:59:00 AM
Surr: Toluene-d8	93.8	30-170		%REC	1	7/7/2015 2:59:00 AM
Surr: 4-Bromofluorobenzene	114	30-170		%REC	1	7/7/2015 2:59:00 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required.
	DF	Dilution Factor	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	N	Tentatively identified compounds
	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits	R	Percent Difference outside accepted limits



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1507007**  
**10-Jul-15**

**Client:** Summit Scientific  
**Project:** 1507060

**BatchID:** R2095

Sample ID	MBLK	SampType:	MBLK	TestCode:	TO15B	Units:	µg/m <sup>3</sup>	Prep Date:	RunNo:	2095	
Client ID:	PBW	Batch ID:	R2095	TestNo:	TO-15	Analysis Date:	7/6/2015	SeqNo:	27496		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.32	0	0						0	
Toluene	ND	0.38	0	0						0	
Ethylbenzene	ND	0.43	0	0						0	
Xylenes, Total	ND	0.43	0	0						0	
TVPH	ND	820	0	0						0	
Surr: Toluene-d8	11		10.00		108	30	170				
Surr: 4-Bromofluorobenzene	8.7		10.00		86.8	30	170				

Sample ID	BTEX LCS	SampType:	LCS	TestCode:	TO15B	Units:	µg/m <sup>3</sup>	Prep Date:	RunNo:	2095	
Client ID:	LCSW	Batch ID:	R2095	TestNo:	TO-15	Analysis Date:	7/6/2015	SeqNo:	27497		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	31	0.32	32	0	96.5	30	170	0			
Toluene	37	0.38	38	0	98.4	30	170	0			
Ethylbenzene	46	0.43	43	0	106	30	170	0			
Xylenes, Total	130	0.43	130	0	103	30	170	0			
Surr: Toluene-d8	10		10.00		104	30	170				
Surr: 4-Bromofluorobenzene	9.4		10.00		94.4	30	170				

Sample ID	BTEX LCSD	SampType:	LCSD	TestCode:	TO15B	Units:	µg/m <sup>3</sup>	Prep Date:	RunNo:	2095	
Client ID:	LCSS02	Batch ID:	R2095	TestNo:	TO-15	Analysis Date:	7/6/2015	SeqNo:	27498		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco



Environmental Chemistry Services, Inc.  
 2 Oakwood Park Plaza; 100  
 Castle Rock, CO 80104-1885  
 TEL: (303) 850-7606 FAX: (303) 850-7609  
 Website: www.ecs-corp.com

# QC SUMMARY REPORT

Work Order: **1507007**

**10-Jul-15**

**Client:** Summit Scientific  
**Project:** 1507060

**BatchID: R2095**

Sample ID <b>BTEX LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27498</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	32	0.32	32	0	98.8	30	170	31	2.36	30	
Toluene	38	0.38	38	0	102	30	170	37	3.69	30	
Ethylbenzene	47	0.43	43	0	107	30	170	46	1.41	30	
Xylenes, Total	140	0.43	130	0	104	30	170	130	0.804	30	
Surr: Toluene-d8	11		10.00		108	30	170		0	30	
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	30	170		0	30	

Sample ID <b>TVPH LCS</b>	SampType: <b>LCS</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27499</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	38,000	820	41,000	0	93.5	30	170	0			

Sample ID <b>TVPH LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>TO15B</b>	Units: <b>µg/m³</b>	Prep Date:	RunNo: <b>2095</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>R2095</b>	TestNo: <b>TO-15</b>		Analysis Date: <b>7/6/2015</b>	SeqNo: <b>27500</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TVPH	45,000	820	41,000	0	110	30	170	38,000	15.7	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the RL	O	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike Recovery outside accepted reco

**SUBCONTRACT ORDER**

**Summit Scientific**

**1507060**

**SENDING LABORATORY:**

Summit Scientific  
741 Corporate Circle, Suite J  
Golden, CO 80401  
Phone: (303) 277-9310  
Fax: (303) 374-5933  
Project Manager: Paul Shrewsbury

**RECEIVING LABORATORY:**

ECS, Inc.  
2 Oakwood Park Plaza Suite 100  
Castle Rock, CO 80104-1885  
Phone: (303) 850-7606  
Fax: (303) 850-7609

Sum  
1507007

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 1507060-01	Air	Sampled:07/02/15 09:30	[REDACTED]	2511 12.47 -01
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 09:30		
<i>Containers Supplied:</i>				
Sample ID: 1507060-02	Air	Sampled:07/02/15 09:26	[REDACTED]	2535 12.32 -02
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 09:26		
<i>Containers Supplied:</i>				
Sample ID: 1507060-03	Air	Sampled:07/02/15 09:38	[REDACTED]	2690 12.17 -03
ECS - BTEXG_TXYL-ug/m3	07/10/15 15:00	08/01/15 09:38		
<i>Containers Supplied:</i>				

Released By: Aisha Aldhan Date: 7/6/15 10:00 Received By: [Signature] Date: 7-6-15 10:00

Released By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_