

November 2, 2015

Mr. Stephen Weathers, P.G.,  
Principal Environmental Specialist  
DCP Midstream, LP  
370 17<sup>th</sup> Street, Ste. 2500  
Denver, CO 80202

**RE: May 2015 Groundwater Monitoring Event  
County Road 20 and Highway 85 – Ft. Lupton, Colorado**

Dear Mr. Weathers:

This letter report summarizes data obtained during supplemental groundwater monitoring activities conducted on May 14, 2015 at the County Road 20 and Highway 85 location (Site) north of Ft. Lupton, Colorado (Figure 1). Tasman Geosciences (Tasman) conducted these activities on behalf of DCP Midstream, LP (DCP) as part of the quarterly groundwater monitoring and sampling program at the Site.

The field data and laboratory analytical results collected during the monitoring event are briefly summarized and included herein.

**Groundwater Elevation Monitoring**

Groundwater elevations at the Site ranged from 4,860.04 feet above mean sea level (AMSL) in monitoring well BH06 to 4,860.47 feet AMSL in monitoring wells BH02. Groundwater flow at the Site during the May 2015 monitoring event trends to the east. However, the irrigation ditches west and north of the Site, when in use, will have an impact on groundwater elevations and flow direction. Groundwater elevations collected during the May 2015 monitoring event are presented in Table 1 and the monitor well locations are shown on Figure 2. The groundwater elevation contours are shown on Figure 3.

**Groundwater Quality Monitoring**

Subsequent to recording groundwater level measurements, groundwater samples were collected from six monitor wells (BH01-BH03 and BH05-BH07) at the Site using dedicated polyethylene bailers. Analytical results for benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations in groundwater samples collected during the monitoring event are summarized in Table 2. Groundwater concentrations for the Site are shown on Figure 4. The laboratory analytical report is included as Appendix A.

The results of the May sampling event show benzene concentrations exceeded the Colorado Oil and Gas Commission (COGCC) groundwater standard of 5 micrograms per liter ( $\mu\text{g/L}$ ) in BH02 (120  $\mu\text{g/L}$ ), BH03 (220  $\mu\text{g/L}$ ), and BH07 (44  $\mu\text{g/L}$ ). Additionally, total xylene concentrations in

groundwater from BH02 (2,000 µg/L), BH03 (3,500 µg/L), and BH07 (2,600 µg/L) exceeded the COGCC groundwater standard of 1,400 µg/L. Toluene and ethylbenzene concentrations were below laboratory detection limits or below applicable COGCC groundwater standards in all wells sampled.

Should you have any questions regarding this letter or the field data presented herein, please contact me by e-mail at [bhumphrey@tasman-geo.com](mailto:bhumphrey@tasman-geo.com).

Sincerely,



Brian Humphrey  
Environmental Scientist  
Tasman Geosciences, Inc.

Enclosures:

Table 1 – Summary of Groundwater Elevation Data – May 2015 Monitoring Event  
Table 2 – Summary of BTEX Concentrations in Groundwater – May 2015 Monitoring Event  
Figure 1 – Site Location Map  
Figure 2 – Site Map with Monitoring Well Locations  
Figure 3 – Groundwater Elevation Contour Map – May 2015 Monitoring Event  
Figure 4 – Analytical Results Map  
Appendix A – Laboratory Analytical Report

cc:  
file

## Tables

**TABLE 1**  
**MAY 2015 MONITORING EVENT**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**DCP CR 20 and HWY 85 RELEASE**  
**WELD COUNTY, COLORADO**

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
BH01	9/2/2014	11.64			18.25	4875.68	4864.04	NA
BH01	5/14/2015	15.52			18.20	4875.68	4860.16	-3.88
BH02	9/2/2014	10.84			18.50	4874.94	4864.10	NA
BH02	5/14/2015	14.47			18.42	4874.94	4860.47	-3.63
BH03	9/2/2014	10.37			18.29	4874.51	4864.14	NA
BH03	5/14/2015	14.26			18.30	4874.51	4860.25	-3.89
BH05	5/14/2015	14.48			19.31	4874.67	4860.19	NA
BH06	5/14/2015	14.91			18.76	4874.95	4860.04	NA
BH07	5/14/2015	14.87			18.70	4874.02	4859.15	NA
Average change in groundwater elevation between 9/2/14 and 5/14/15								-3.80

Notes:

1- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement

amsl = feet above mean sea level

TOC = top of casing

Groundwater elevation = (TOC Elevation - Measured Depth to Water)

NM = Not Measured

NA = Not Applicable

**TABLE 2**  
**MAY 2015 MONITORING EVENT**  
**SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER**  
**DCP CR 20 AND HWY 85 RELEASE**  
**WELD COUNTY, COLORADO**

Location Identification	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Comments
<b>COGCC Standards (µg/L)</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	
BH01	5/14/2015	<1.0	<1.0	<1.0	<1.0	
BH02	5/14/2015	<b>120</b>	5	210	<b>2,000</b>	
BH03	5/14/2015	<b>220</b>	130	400	<b>3,500</b>	
BH05	5/14/2015	<1.0	<1.0	3	22	
BH06	5/14/2015	<1.0	<1.0	<1.0	5	
BH07	5/14/2015	<b>44</b>	310	200	<b>2,600</b>	

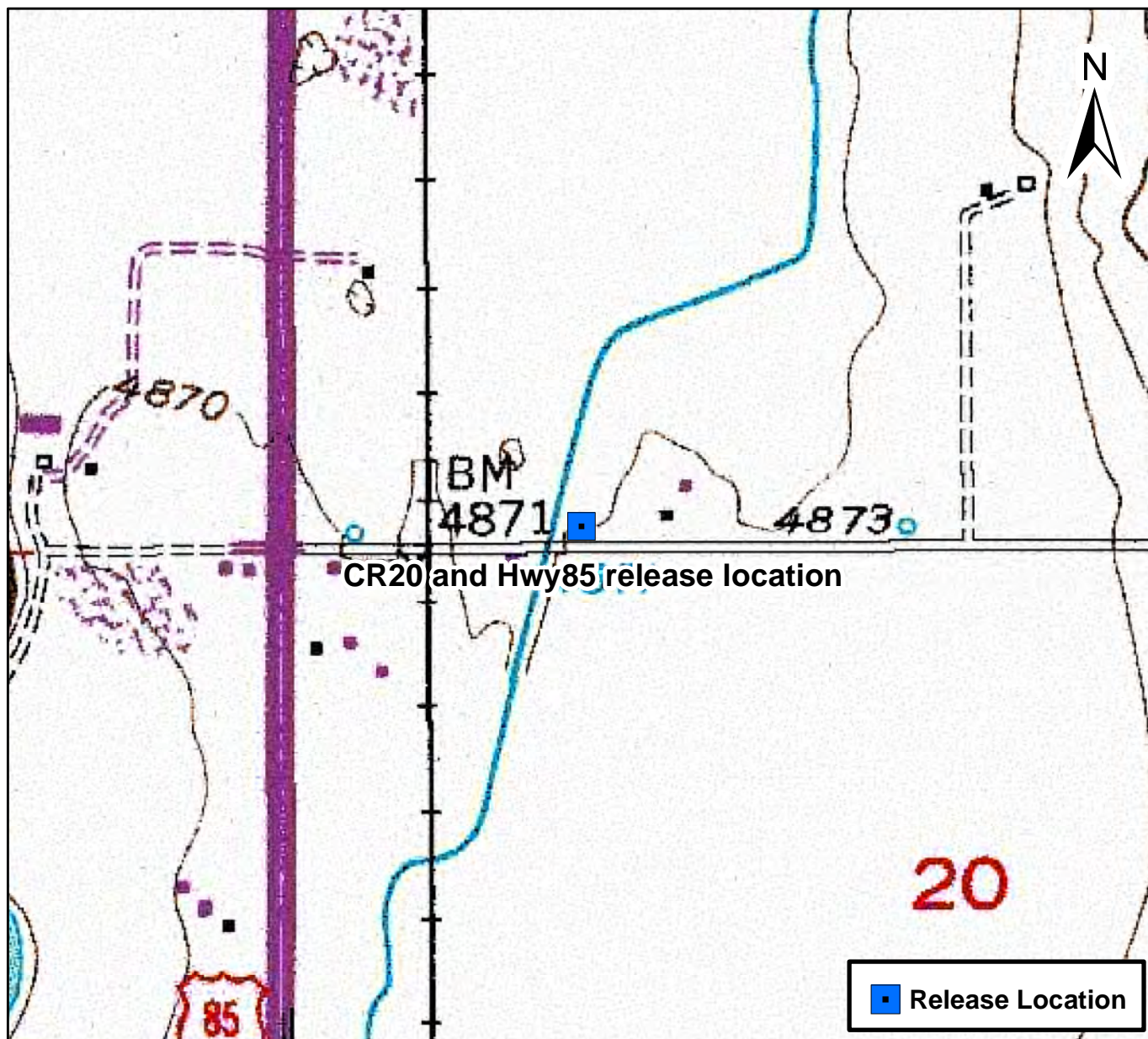
Notes:

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

NS = Not sampled.

µg/L = micrograms per liter.

## Figures



0 750 1,500 Feet



## Figure 1

Site Location Map  
CR20 and Hwy85 release location  
SWSW S17 T2N R66W  
Weld County, Colorado

Drawn By: DBA  
Date: 06/04/2014

  
Tasman Geosciences





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



**TASMAN**  
GEOSCIENCES

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

**DCP Midstream**  
**County Road 20 and Highway 85 Release**  
SWSW Section 17, Township 2 North, Range 66 West  
Weld County, Colorado

Site Overview  
Map

Figure  
2





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



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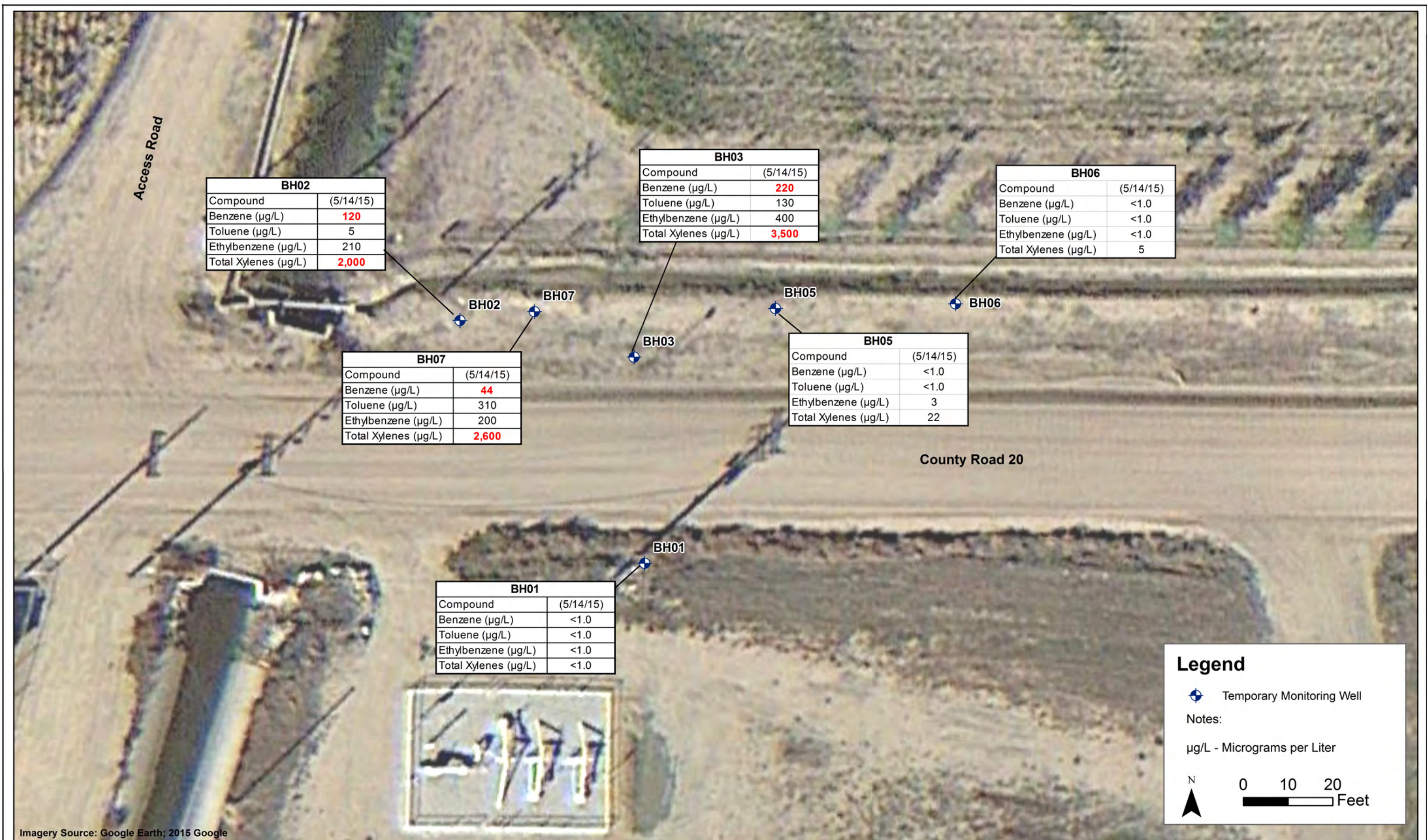
Tasman Geosciences, Inc  
6899 Pecos Street - Unit C  
Denver, CO 80221

**DCP Midstream**  
**County Road 20 and Highway 85 Release**  
SWSW Section 17, Township 2 North, Range 66 West  
Weld County, Colorado

Groundwater Elevation  
Contour Map  
(May 14, 2015)

Figure  
3





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



**DCP Midstream**  
**County Road 20 and Highway 85 Release**  
SWSW Section 17, Township 2 North, Range 66 West  
Weld County, Colorado

Groundwater Analytical  
Results Map  
(May 14, 2015)

Figure  
4



## Appendix A

### Laboratory Analytical Results



# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 22, 2015

Brian Humphrey  
Tasman Geosciences  
6899 Pecos Street  
Denver, CO 80221  
RE: CR20-85

Enclosed are the results of analyses for samples received by Summit Scientific on 05/14/15 17:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Ben Shrewsbury For Paul Shrewsbury  
President



Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85

Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01	1505151-01	Water	05/14/15 09:57	05/14/15 17:25
BH02	1505151-02	Water	05/14/15 10:05	05/14/15 17:25
BH03	1505151-03	Water	05/14/15 10:20	05/14/15 17:25
BH07	1505151-04	Water	05/14/15 10:13	05/14/15 17:25
BH05	1505151-05	Water	05/14/15 10:25	05/14/15 17:25
BH06	1505151-06	Water	05/14/15 10:32	05/14/15 17:25

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/22/15 12:36

# Summit Scientific

1505151

S<sub>2</sub>

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

Client: Tasman/DCP Project Manager: Brian Humphrey Page 1 of 1  
Address: \_\_\_\_\_ E-Mail: bhumphrey@tasman-geo.com  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Project Name: CR 20 ? Hwy 85  
Sampler Name: Kati Forsmark Project Number: \_\_\_\_\_

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)					
1	BH01	6/14/15	957	3	X				X				X				
2	BH02		1005														
3	BH03		1010														
4	BH04		1013														
5	BH05		1025														
6	BH06	↓	1032	↓	↓				↓				↓				
7																	
8																	
9																	
10																	

Relinquished by: <u>[Signature]</u>	Date/Time: <u>5/14/15</u>	Received by: <u>[Signature]</u>	Date/Time: <u>5/14/15 1725</u>	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>9.6°C</u> Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes:  <u>on ice</u>
Relinquished by: <u>[Signature]</u>	Date/Time: <u>5/14/15 1725</u>	Received by: <u>[Signature]</u>	Date/Time: <u>5/14 1725</u>		
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____		

www.s2scientific.com

Summit Scientific

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85

Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/22/15 12:36

### Sample Receipt Checklist

S2 Work Order: 1565151

Client: Tasman / DCD Client Project ID: CR 20 3 Hwy 85

Shipped Via: Pick up Airbill #: \_\_\_\_\_  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Matrix (check all that apply):      Air      Soil/Solid ✓ Water      Other: \_\_\_\_\_  
(Describe)

Cooler ID					
Temp (°C)	<u>9.6°C</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C <sup>(1)</sup> ?		✓		
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	✓			
Was adequate sample volume provided <sup>(1)</sup> ?	✓			
If custody seals are present, are they intact <sup>(1)</sup> ?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	✓			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	✓			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		✓		
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?	✓			
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, etc.				HCl
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?			✓	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

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

Mindy Mac  
Custodian Printed Name

[Signature]  
Signature or Initials of Custodian

5/15/15 12:17  
Date/Time



Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

**BH01**  
**1505151-01 (Water)**

**Summit Scientific**

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

Date Sampled: 05/14/15 09:57

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1505163	05/19/15	05/19/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 05/14/15 09:57

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		132 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		102 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	45-146		"	"	"	"	

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

**BH02**  
**1505151-02 (Water)**

**Summit Scientific**

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

Date Sampled: **05/14/15 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>120</b>	1.0	ug/l	1	1505163	05/19/15	05/19/15	EPA 8260B	
<b>Toluene</b>	<b>4.6</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>210</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>2000</b>	100	"	100	"	"	05/21/15	"	

Date Sampled: **05/14/15 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		132 %	37-154		"	"	05/19/15	"	
<i>Surrogate: Toluene-d8</i>		122 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %	45-146		"	"	"	"	

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

**BH03**  
**1505151-03 (Water)**

**Summit Scientific**

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

Date Sampled: **05/14/15 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Benzene</b>	<b>220</b>	1.0		ug/l	1	1505163	05/19/15	05/19/15	EPA 8260B	
<b>Toluene</b>	<b>130</b>	1.0		"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>400</b>	100		"	100	"	"	05/21/15	"	
<b>Xylenes (total)</b>	<b>3500</b>	100		"	"	"	"	"	"	

Date Sampled: **05/14/15 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: 1,2-Dichloroethane-d4</i>		129 %		37-154		"	"	05/19/15	"	
<i>Surrogate: Toluene-d8</i>		113 %		45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		115 %		45-146		"	"	"	"	

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

**BH07**  
**1505151-04 (Water)**

**Summit Scientific**

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

Date Sampled: **05/14/15 10:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>44</b>	1.0	ug/l	1	1505163	05/19/15	05/19/15	EPA 8260B	
<b>Toluene</b>	<b>310</b>	100	"	100	"	"	05/21/15	"	
<b>Ethylbenzene</b>	<b>200</b>	1.0	"	1	"	"	05/19/15	"	
<b>Xylenes (total)</b>	<b>2600</b>	100	"	100	"	"	05/21/15	"	

Date Sampled: **05/14/15 10:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		132 %	37-154		"	"	05/19/15	"	
<i>Surrogate: Toluene-d8</i>		114 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %	45-146		"	"	"	"	

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

**BH05**  
**1505151-05 (Water)**

**Summit Scientific**

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

Date Sampled: **05/14/15 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1505163	05/19/15	05/19/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.9</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>22</b>	1.0	"	"	"	"	"	"	

Date Sampled: **05/14/15 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>135 %</i>	<i>37-154</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>104 %</i>	<i>45-149</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>107 %</i>	<i>45-146</i>		"	"	"	"	

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

**Reported:**  
05/22/15 12:36

**BH06**  
**1505151-06 (Water)**

**Summit Scientific**

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

Date Sampled: **05/14/15 10:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1505163	05/19/15	05/19/15	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>5.0</b>	1.0		"	"	"	"	"	"	

Date Sampled: **05/14/15 10:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		137 %		37-154		"	"	"	"	
Surrogate: Toluene-d8		102 %		45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %		45-146		"	"	"	"	

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Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/22/15 12:36

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 1505163 - EPA 5030 Water MS

##### Blank (1505163-BLK1)

Prepared & Analyzed: 05/19/15

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	17.3		"	13.2	131	37-154				
Surrogate: Toluene-d8	13.8		"	13.3	103	45-149				
Surrogate: 4-Bromofluorobenzene	14.5		"	13.3	109	45-146				

##### LCS (1505163-BS1)

Prepared & Analyzed: 05/19/15

Benzene	31.6	1.0	ug/l	33.3	94.7	51-132				
Toluene	31.1	1.0	"	33.3	93.4	51-138				
Ethylbenzene	34.1	1.0	"	33.1	103	58-146				
m,p-Xylene	65.4	2.0	"	66.5	98.3	57-144				
o-Xylene	33.4	1.0	"	32.8	102	53-146				
Surrogate: 1,2-Dichloroethane-d4	17.6		"	13.2	133	37-154				
Surrogate: Toluene-d8	13.6		"	13.3	102	45-149				
Surrogate: 4-Bromofluorobenzene	14.3		"	13.3	107	45-146				

##### Matrix Spike (1505163-MS1)

Source: 1505151-01

Prepared & Analyzed: 05/19/15

Benzene	32.2	1.0	ug/l	33.3	ND	96.5	34-141			
Toluene	31.5	1.0	"	33.3	ND	94.6	27-151			
Ethylbenzene	35.1	1.0	"	33.1	ND	106	29-160			
m,p-Xylene	66.9	2.0	"	66.5	ND	101	20-166			
o-Xylene	34.6	1.0	"	32.8	ND	105	33-159			
Surrogate: 1,2-Dichloroethane-d4	18.2		"	13.2	138	37-154				
Surrogate: Toluene-d8	13.8		"	13.3	103	45-149				
Surrogate: 4-Bromofluorobenzene	14.3		"	13.3	107	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.





Tasman Geosciences  
6899 Pecos Street  
Denver CO, 80221

Project: CR20-85  
Project Number: [none]  
Project Manager: Brian Humphrey

Reported:  
05/22/15 12:36

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

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

**Batch 1505163 - EPA 5030 Water MS**

Matrix Spike Dup (1505163-MSD1)	Source: 1505151-01			Prepared & Analyzed: 05/19/15						
Benzene	31.8	1.0	ug/l	33.3	ND	95.4	34-141	1.06	32	
Toluene	30.8	1.0	"	33.3	ND	92.4	27-151	2.31	25	
Ethylbenzene	34.6	1.0	"	33.1	ND	105	29-160	1.49	50	
m,p-Xylene	65.3	2.0	"	66.5	ND	98.2	20-166	2.36	36	
o-Xylene	34.1	1.0	"	32.8	ND	104	33-159	1.40	26	
Surrogate: 1,2-Dichloroethane-d4	19.3		"	13.2		146	37-154			
Surrogate: Toluene-d8	13.5		"	13.3		102	45-149			
Surrogate: 4-Bromofluorobenzene	14.3		"	13.3		107	45-146			

Summit Scientific

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**Reported:**  
05/22/15 12:36

### 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

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Summit Scientific

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

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