

**TABLE 1**  
**FORMER DINNER 14-B1 WELLHEAD**  
**GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE**  
**ORGANIC COMPOUNDS**

Sample ID	Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Depth to Water <sup>(2)</sup> (ft.)	Groundwater Elevation (ft. AMSL)
<b>COGCC Table 915-1 Groundwater Standard (µg/L) <sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>140</b>	<b>67</b>	<b>67</b>	<b>-</b>	<b>-</b>
BH01	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.08	4707.94
BH01	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.50	4705.52
BH01	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.51	4704.51
BH01	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.82	4707.20
BH02	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.12	4707.79
BH02	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.48	4705.43
BH02	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.53	4704.38
BH02	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.88	4707.03
BH03	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.01	4707.65
BH03	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.30	4705.36
BH03	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.40	4704.26
BH03	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.82	4706.84
BH04	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	6.86	4707.86
BH04	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.23	4705.49
BH04	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.31	4704.41
BH04	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.62	4707.10
BH05	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	6.67	4707.66
BH05	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	8.95	4705.38
BH05	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.09	4704.24
BH05	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.44	4706.89
BH06	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.08	4707.86
BH06	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.43	4705.51
BH06	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.54	4704.40
BH06	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.85	4707.09
BH07	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	6.85	4707.79
BH07	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.20	4705.44
BH07	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.35	4704.29
BH07	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.74	4706.90
BH08	11/12/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	6.88	4707.66
BH08	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	9.19	4705.35
BH08	5/12/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	10.36	4704.18
BH08	8/8/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	7.78	4706.76

**Notes:**

- Groundwater standards referenced from 2 CCR 404-1, Table 915-1, January 15, 2021.
  - Depth to water measurements were measured from ground surface for excavation samples. Monitoring well measurements were collected from top of casing and adjusted using survey data to reflect depth of water from ground surface.
- TMB = Trimethylbenzene  
COGCC = Colorado Oil and Gas Conservation Commission  
µg/L = Micrograms per liter  
(<) = Analytical result is less than the indicated laboratory reporting limit.  
ft. = Feet  
AMSL = Above Mean Sea Level

## Attachment A

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 10, 2022

Mark Longhurst

PDC Energy

1775 Sherman St. STE. 3000

Denver, CO 80203

RE: Dinner 14 B-1

Work Order #2208108

Enclosed are the results of analyses for samples received by Summit Scientific on 08/08/22 17:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mikayla Axtell".

Mikayla Axtell For Paul Shrewsbury  
President



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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01	2208108-01	Water	08/08/22 12:43	08/08/22 17:43
BH02	2208108-02	Water	08/08/22 12:35	08/08/22 17:43
BH03	2208108-03	Water	08/08/22 12:13	08/08/22 17:43
BH04	2208108-04	Water	08/08/22 13:26	08/08/22 17:43
BH05	2208108-05	Water	08/08/22 13:13	08/08/22 17:43
BH06	2208108-06	Water	08/08/22 13:42	08/08/22 17:43
BH07	2208108-07	Water	08/08/22 13:34	08/08/22 17:43
BH08	2208108-08	Water	08/08/22 12:04	08/08/22 17:43

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

S<sub>2</sub>

2208108

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: PDC / Tasman Geosciences

Project Manager: Mark Longhurst

Address: 6855 W. 119th Ave.

E-Mail: mark.longhurst@pdce.com

City/State/Zip: Broomfield / CO/ 80020

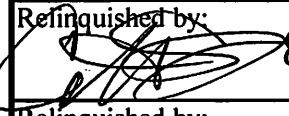
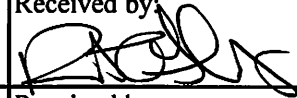
Phone: 303-487-1228

Project Name: ~~Allos 221-321, 401, 22L-241~~ **MAC RINNER 14-B1**

Sampler Name: Colette Ramey

Project Number: N/A

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions	
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	Naphthalene	1,2,4-TMB	1,3,5-TMB	TDS	Chloride	Sulfate		
1	BH01	8/8/22	1243	3	3					✓				✓	✓	✓	✓				
2	BH02		1235	1										✓	✓	✓	✓				
3	BH03		1213	1										✓	✓	✓	✓				
4	BH04		1326	1										✓	✓	✓	✓				
5	BH05		1313	1										✓	✓	✓	✓				
6	BH06		1342	1										✓	✓	✓	✓				
7	BH07		1334	1										✓	✓	✓	✓				
8	BH08	✓	1204	1						✓				✓	✓	✓	✓				
9																					
10																					

Relinquished by: 	Date/Time: 8/8/2022 1600	Received by: Tasman's Lock Box	Date/Time: 8/8/2022 1600	<b>Turn Around Time</b> (Check) Same Day _____ 72 hours 24 hours <input checked="" type="checkbox"/> Standard 48 hours _____ <b>Sample Integrity:</b> Temperature Upon Receipt: 6.0 Samples Intact: <input checked="" type="checkbox"/> Yes No	Notes:
Relinquished by: Tasman's Lock Box	Date/Time: 8822 1743	Received by: 	Date/Time: 8822 1743		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

S<sub>2</sub>

S2 Work Order# 2208108

## Sample Receipt Checklist

Client: Hoc/Tasman Client Project ID: Dinner 14-B1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_

	-			
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Matrix (Check all that apply) Air ☐ Soil/Solid ☐ Water ☒ Other ☐Temp (°C) 6.0Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6 °C <sup>(1)</sup> ? <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	-			on ice
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 samples due within 48 hours present?		-		
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			-	
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, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , 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):				
(1) If NO, then contact the client before proceeding with analysis and note in case narrative.				

[Signature]  
Custodian Printed Name

8-8-22  
Date/Time



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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH01**  
**2208108-01 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 12:43**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/09/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 12:43**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		159 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Summit Scientific

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Denver CO, 80203

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH02**  
**2208108-02 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/09/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		164 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	21-167		"	"	"	"	

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1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH03**  
**2208108-03 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/09/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		160 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH04**  
**2208108-04 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 13:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/09/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 13:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		160 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

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1775 Sherman St. STE. 3000  
Denver CO, 80203

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH05**  
**2208108-05 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 13:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/09/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 13:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		162 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH06**  
**2208108-06 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 13:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/09/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 13:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		162 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH07**  
**2208108-07 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 13:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFH0190	08/09/22	08/10/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **08/08/22 13:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		161 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %		21-167		"	"	"	"	

Summit Scientific

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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**BH08**  
**2208108-08 (Water)**

**Summit Scientific**

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

Date Sampled: **08/08/22 12:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFH0190	08/09/22	08/10/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/08/22 12:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		157 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Summit Scientific

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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

## 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 BFH0190 - EPA 5030 Water MS

##### Blank (BFH0190-BLK1)

Prepared & Analyzed: 08/09/22

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	21.6		"	13.3		162	23-173			
Surrogate: Toluene-d8	13.4		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	14.6		"	13.3		110	21-167			

##### LCS (BFH0190-BS1)

Prepared & Analyzed: 08/09/22

Benzene	18.7	1.0	ug/l	33.3		56.0	51-132			
Toluene	28.3	1.0	"	33.3		85.0	51-138			
Ethylbenzene	38.1	1.0	"	33.3		114	58-146			
m,p-Xylene	70.1	2.0	"	66.7		105	57-144			
o-Xylene	35.0	1.0	"	33.3		105	53-146			
Naphthalene	33.2	1.0	"	33.3		99.6	70-130			
1,2,4-Trimethylbenzene	37.8	1.0	"	33.3		113	70-130			
1,3,5-Trimethylbenzene	37.3	1.0	"	33.3		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	22.2		"	13.3		166	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	14.7		"	13.3		110	21-167			

##### Matrix Spike (BFH0190-MS1)

Source: 2208108-02

Prepared & Analyzed: 08/09/22

Benzene	19.0	1.0	ug/l	33.3	ND	56.9	34-141			
Toluene	28.6	1.0	"	33.3	ND	85.7	27-151			
Ethylbenzene	40.2	1.0	"	33.3	ND	121	29-160			
m,p-Xylene	73.8	2.0	"	66.7	ND	111	20-166			
o-Xylene	36.4	1.0	"	33.3	ND	109	33-159			
Naphthalene	32.0	1.0	"	33.3	ND	96.1	70-130			
1,2,4-Trimethylbenzene	39.7	1.0	"	33.3	ND	119	70-130			
1,3,5-Trimethylbenzene	39.2	1.0	"	33.3	ND	118	70-130			
Surrogate: 1,2-Dichloroethane-d4	22.1		"	13.3		166	23-173			
Surrogate: Toluene-d8	13.6		"	13.3		102	20-170			
Surrogate: 4-Bromofluorobenzene	14.6		"	13.3		110	21-167			

Summit Scientific

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

Project: Dinner 14 B-1  
Project Number: [none]  
Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

**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 BFH0190 - EPA 5030 Water MS**

Matrix Spike Dup (BFH0190-MSD1)	Source: 2208108-02			Prepared & Analyzed: 08/09/22						
Benzene	19.2	1.0	ug/l	33.3	ND	57.5	34-141	1.05	30	
Toluene	28.7	1.0	"	33.3	ND	86.1	27-151	0.384	30	
Ethylbenzene	39.9	1.0	"	33.3	ND	120	29-160	0.674	30	
m,p-Xylene	73.9	2.0	"	66.7	ND	111	20-166	0.122	30	
o-Xylene	36.2	1.0	"	33.3	ND	109	33-159	0.358	30	
Naphthalene	33.3	1.0	"	33.3	ND	99.9	70-130	3.95	30	
1,2,4-Trimethylbenzene	39.8	1.0	"	33.3	ND	119	70-130	0.226	30	
1,3,5-Trimethylbenzene	39.2	1.0	"	33.3	ND	118	70-130	0.00	30	
Surrogate: 1,2-Dichloroethane-d4	22.0		"	13.3		165	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.8	20-170			
Surrogate: 4-Bromofluorobenzene	14.5		"	13.3		109	21-167			

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

Project: Dinner 14 B-1

Project Number: [none]

Project Manager: Mark Longhurst

**Reported:**  
08/10/22 13:41

### 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