

**TABLE 1
URSULA #2
GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE**

| Sample ID | Date Sampled | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Total Xylenes (ug/L) |
|---|--------------|-------------------|-------------------|------------------------|----------------------------|
| COGCC Table 910-1 Groundwater Standard (ug/L) ⁽¹⁾ | | 5 | 560 | 700 | 1,400 |
| GW01 | 3/23/2015 | 800 | <1.0 | 750 | 420 |

Notes:

1. Groundwater standards referenced from 2 CCR 404-1, Table 910-1, effective February 1, 2014.

COGCC = Colorado Oil and Gas Conservation Commission

ug/L = Micrograms per liter

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

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

ATTACHMENT A

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 24, 2015

Brandon Bruns
PDC Energy
1775 Sherman St. STE. 3000
Denver, CO 80203
RE: Ursula 2

Enclosed are the results of analyses for samples received by Summit Scientific on 03/23/15 18:10. 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



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

Project: Ursula 2
 Project Number: [none]
 Project Manager: Brandon Bruns

Reported:
 03/24/15 07:50

GW01
1503195-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/23/15 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 800 | 100 | ug/l | 100 | 1503265 | 03/23/15 | 03/23/15 | EPA 8260B | |
| Toluene | ND | 1.0 | " | 1 | " | " | 03/23/15 | " | |
| Ethylbenzene | 750 | 100 | " | 100 | " | " | 03/23/15 | " | |
| Xylenes (total) | 420 | 1.0 | " | 1 | " | " | 03/23/15 | " | |

Date Sampled: **03/23/15 11:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 92.7 % | 37-154 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 114 % | 45-149 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 105 % | 45-146 | | " | " | " | " | |

Summit Scientific

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



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

Project: Ursula 2
Project Number: [none]
Project Manager: Brandon Brunns

Reported:
03/24/15 07:50

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 1503265 - EPA 5030 Water MS

Blank (1503265-BLK1)

Prepared & Analyzed: 03/23/15

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 11.0 | | " | 13.2 | | 83.0 | 37-154 | | | |
| Surrogate: Toluene-d8 | 12.7 | | " | 13.3 | | 95.3 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 15.2 | | " | 13.3 | | 114 | 45-146 | | | |

LCS (1503265-BS1)

Prepared & Analyzed: 03/23/15

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 31.3 | 1.0 | ug/l | 33.3 | | 93.9 | 51-132 | | | |
| Toluene | 29.5 | 1.0 | " | 33.3 | | 88.6 | 51-138 | | | |
| Ethylbenzene | 31.4 | 1.0 | " | 33.1 | | 94.8 | 58-146 | | | |
| m,p-Xylene | 64.6 | 2.0 | " | 66.5 | | 97.2 | 57-144 | | | |
| o-Xylene | 30.6 | 1.0 | " | 32.8 | | 93.2 | 53-146 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 11.5 | | " | 13.2 | | 87.0 | 37-154 | | | |
| Surrogate: Toluene-d8 | 13.0 | | " | 13.3 | | 97.7 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.8 | | " | 13.3 | | 103 | 45-146 | | | |

Matrix Spike (1503265-MS1)

Source: 1503186-01

Prepared & Analyzed: 03/23/15

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 31.4 | 1.0 | ug/l | 33.3 | ND | 94.3 | 34-141 | | | |
| Toluene | 29.6 | 1.0 | " | 33.3 | ND | 88.7 | 27-151 | | | |
| Ethylbenzene | 32.4 | 1.0 | " | 33.1 | ND | 97.8 | 29-160 | | | |
| m,p-Xylene | 65.9 | 2.0 | " | 66.5 | ND | 99.1 | 20-166 | | | |
| o-Xylene | 31.6 | 1.0 | " | 32.8 | ND | 96.3 | 33-159 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 11.7 | | " | 13.2 | | 88.3 | 37-154 | | | |
| Surrogate: Toluene-d8 | 12.6 | | " | 13.3 | | 94.4 | 45-149 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.0 | | " | 13.3 | | 105 | 45-146 | | | |

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 Denver CO, 80203

Project: Ursula 2
 Project Number: [none]
 Project Manager: Brandon Brunns

Reported:
 03/24/15 07:50

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 1503265 - EPA 5030 Water MS

| Matrix Spike Dup (1503265-MSD1) | Source: 1503186-01 | | | Prepared & Analyzed: 03/23/15 | | | | | | |
|---|---------------------------|-----|----------|--|----|-------------|---------------|-------|----|--|
| Benzene | 32.2 | 1.0 | ug/l | 33.3 | ND | 96.7 | 34-141 | 2.51 | 32 | |
| Toluene | 30.5 | 1.0 | " | 33.3 | ND | 91.4 | 27-151 | 3.03 | 25 | |
| Ethylbenzene | 32.5 | 1.0 | " | 33.1 | ND | 98.3 | 29-160 | 0.524 | 50 | |
| m,p-Xylene | 66.7 | 2.0 | " | 66.5 | ND | 100 | 20-166 | 1.19 | 36 | |
| o-Xylene | 31.7 | 1.0 | " | 32.8 | ND | 96.6 | 33-159 | 0.348 | 26 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>12.4</i> | | <i>"</i> | <i>13.2</i> | | <i>94.3</i> | <i>37-154</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>13.0</i> | | <i>"</i> | <i>13.3</i> | | <i>97.7</i> | <i>45-149</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>14.0</i> | | <i>"</i> | <i>13.3</i> | | <i>105</i> | <i>45-146</i> | | | |

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Project Number: [none]
Project Manager: Brandon Bruns

Reported:
03/24/15 07:50

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference