



December 20, 2019

Mr. Chris Canfield
Department of Natural Resources
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203-2136

**RE: 2018 and 2019 Annual Report
Grant Hurt Tank Battery
Remediation # 12501
SWNE Section 14, T2N R68W 6PM
40.139280, -104.966590
Weld County, Colorado**

Dear Mr. Canfield:

This report summarizes activities conducted in 2018 and 2019 to address petroleum hydrocarbon impacts at the Grant Hurt Tank Battery (site). The site is located 0.55 miles southwest of the intersection of County Road (CR) 22 and CR 11, Weld County, Colorado. A location map (Figure 1), a site map (Figure 2), and laboratory analytical results (Table 2) are attached.

2018 Remediation

On March 30, 2018, two 10-foot long, 4-inch diameter horizontal screens were installed into an excavated pit that was approximately 15 feet long by 10 feet wide. The horizontal screens were installed for potential future groundwater extraction. These screens were covered with pea gravel then granular carbon was placed on top of the pea gravel. Native material was backfilled to existing surface grade.

2019 Remediation

On January 2, 2019, five soil borings (SB-1 through SB-5) were advanced and soil samples were collected at the site. Soil samples were analyzed for TPH and BTEX. All soil samples (SB-1 through SB-5) were below the COGCC limit.

Four temporary monitoring wells were installed in boreholes SB-1, SB-2, SB-3 and SB-4. A water sample was retrieved through the borehole from soil boring 5 (SB-5W) and analyzed for BTEX. Groundwater results from the water sampled collected from SB-5W was below COGCC Table 910-1 allowable limits.

On January 8, 2019, groundwater samples were retrieved from temporary wells 1 through 4 (SB-1W through SB-4W) and analyzed for BTEX. All samples were below Table 910-1 BTEX concentration levels. On March 1, 2019, the temporary wells were removed and abandoned.



Please contact me if you have any questions or require additional information.

Sincerely,

David Tewkesbury
EH&S Compliance Tech/LDAR Inspector
Crestone Peak Resources
10188 E. Interstate 25 Frontage Road
Firestone, CO 80504
t 303.774.3985
c 720.236.5525
e david.tewkesbury@crestonepr.com



Attachments:

Table 1 – Groundwater Elevation Data
Table 2 – Groundwater Analytical Results
Table 3 – Soil Analytical Results
Figure 1 – Site Location Map
Figure 2 – Soil Sample Map

**TABLE 1 - GROUNDWATER ELEVATION
CRESTONE PEAK RESOURCES**

Grant Hurt

| Well ID | Date | Top of Casing | Depth to Groundwater (feet) | Groundwater Elevation (feet) | Temperature (°C) | Conductivity (µS/cm) | Oxidation-Reduction Potential (mV) | Dissolved Oxygen (mg/L) | pH (SU) |
|---------|-----------|---------------|-----------------------------|------------------------------|------------------|----------------------|------------------------------------|-------------------------|---------|
| SB-1W | 1/30/2019 | NM | 12.41 | NM | NM | NM | NM | NM | NM |
| SB-2W | 1/30/2019 | NM | 12.61 | NM | NM | NM | NM | NM | NM |
| SB-3W | 1/30/2019 | NM | 13.02 | NM | NM | NM | NM | NM | NM |
| SB-4W | 1/30/2019 | NM | 12.84 | NM | NM | NM | NM | NM | NM |

NOTES:

DES - Destroyed

NM - Not Measured

**TABLE 2 - GROUNDWATER ANALYTICAL RESULTS
CRESTONE PEAK RESOURCES**

Grant Hurt

| Sample ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|--------------------------------|----------|-------------------|-------------------|------------------------|-------------------------|
| COGCC Table 910-1 Limit | | 5 | 560 | 700 | 1,400 |
| SB-1W | 1/8/2019 | <1.0 | <1.0 | <1.0 | 5 |
| SB-2W | 1/8/2019 | <1.0 | <1.0 | 2.24 | 13.7 |
| SB-3W | 1/8/2019 | <1.0 | <1.0 | <1.0 | <3.0 |
| SB-4W | 1/8/2019 | <1.0 | <1.0 | <1.0 | <3.0 |
| SB-5W | 1/2/2019 | <1.0 | <1.0 | <1.0 | <3.0 |

NOTES:

µg/L - micrograms per liter

BOLD - indicates result exceeds the applicable standard

< - indicates result is less than the stated laboratory reporting limit

NS - Not Sampled

COGCC Table 910-1 - Colorado Oil and Gas CoNServation Commission Table 910-1

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B

**TABLE 3 - SOIL ANALYTICAL RESULTS
CRESTONE PEAK RESOURCES**

Grant Hurt

| Sample ID | Date | Depth Range (ft) | Benzene (mg/kg) | Toluene (mg/Kg) | Ethylbenzene (mg/Kg) | Total Xylenes (mg/Kg) | TPH-GRO (mg/Kg) | TPH-DRO (mg/Kg) | Total TPH (mg/Kg) |
|--------------------------------|----------|------------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-----------------|-------------------|
| COGCC Table 910-1 Limit | | | 0.17 | 85 | 100 | 175 | 500 | 500 | 500 |
| SB-1 5-8 | 01/02/19 | 5-8 | <0.001 | <0.005 | <0.0025 | <0.0065 | <0.100 | <4.00 | <4.00 |
| SB-2 7.5-10 | 01/02/19 | 7.5-10 | <0.001 | <0.005 | <0.0025 | <0.0065 | <0.100 | <4.00 | <4.00 |
| SB-3 7.5-10 | 01/02/19 | 7.5-10 | <0.001 | <0.005 | <0.0025 | <0.0065 | <0.100 | <4.00 | <4.00 |
| SB-4 5-7.5 | 01/02/19 | 5-7.5 | <0.001 | <0.005 | <0.0025 | <0.0065 | <0.100 | <4.00 | <4.00 |
| SB-5 5-7.5 | 01/02/19 | 5-7.5 | <0.001 | <0.005 | <0.0025 | <0.0065 | <0.100 | <4.00 | <4.00 |

NOTES:

mg/Kg - milligrams per kilogram

BOLD - indicates result exceeds the applicable standard

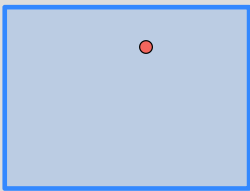
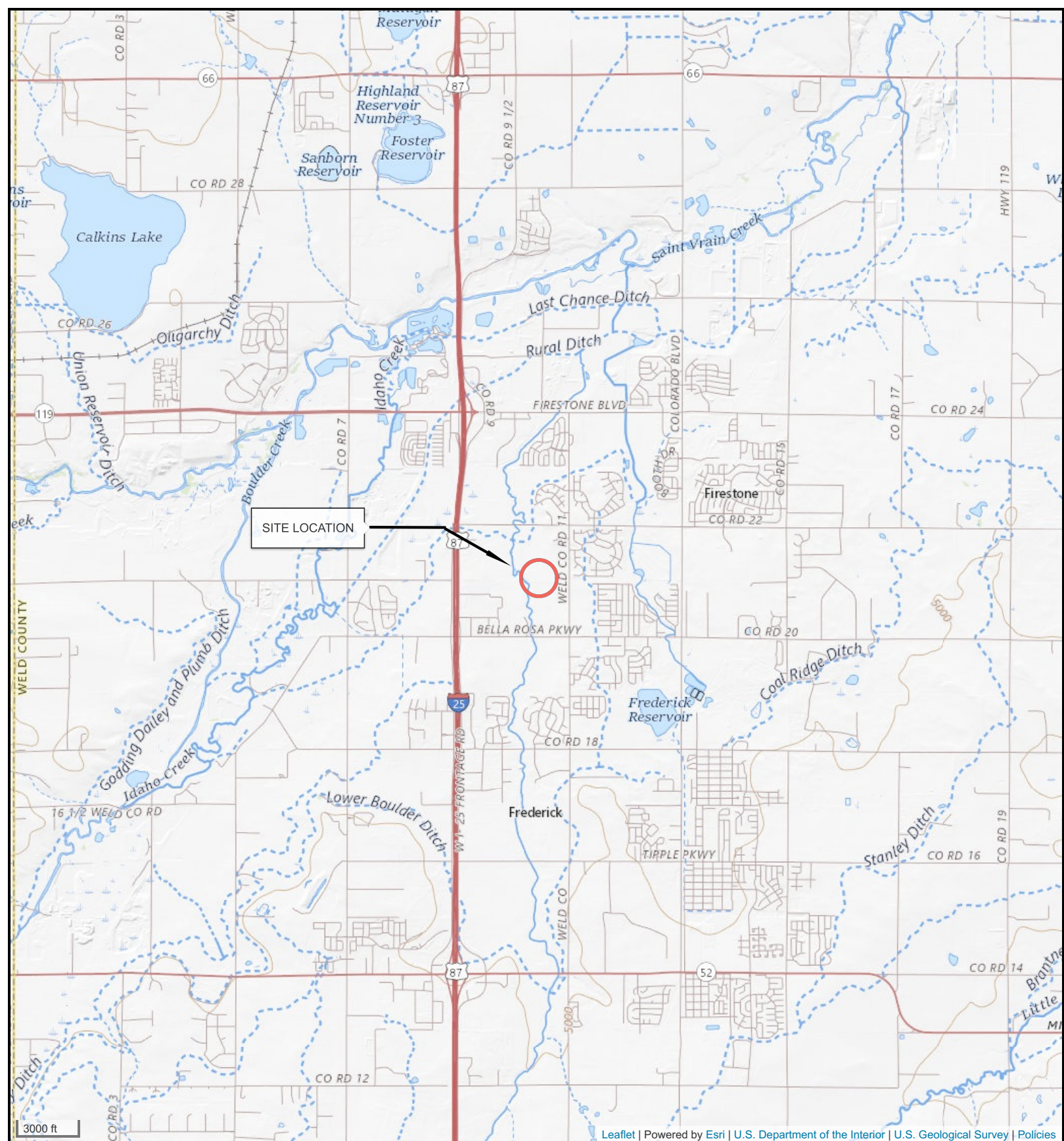
< - indicates result is less than the stated laboratory reporting limit

NM - Not Measured/Sampled

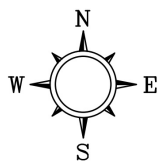
COGCC Table 910-1 - Colorado Oil and Gas Conservation Commission Table 910-1

Benzene, toluene, ethylbenzene, total xylenes and TPH-GRO analyzed by EPA Method 8260B.

TPH-DRO was analyzed by EPA Method 8015.



Latitude: 40.13928
Longitude: -104.96659



Crestone Peak Resources
Grant Hurt

FIGURE 1
SITE LOCATION MAP

40.13928, -104.96659
Firestone, Colorado

GRAN-HURT

Write a description for your map.

Figure 2

Legend

SB-3

SB-4

SB-5

SB-2

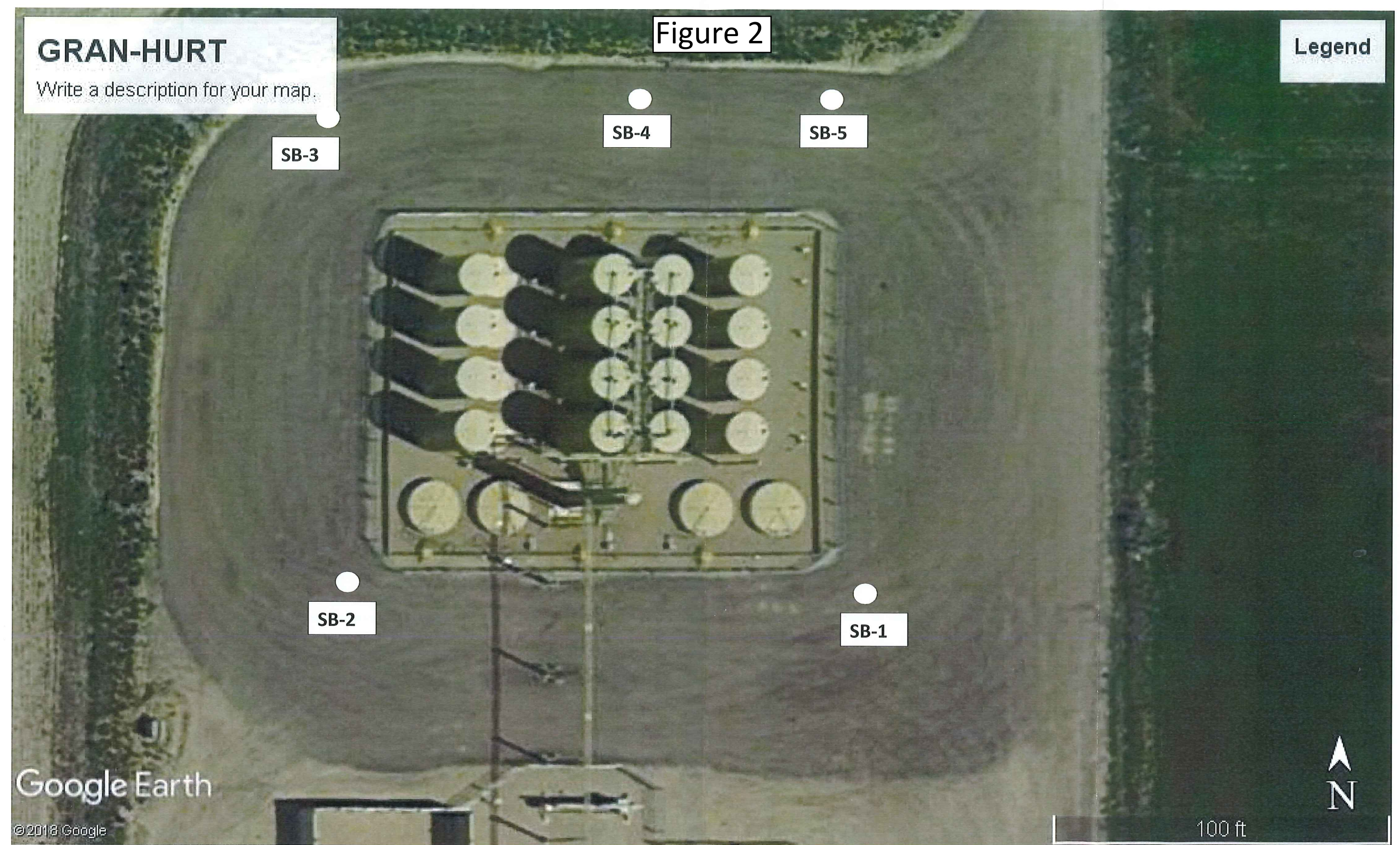
SB-1

Google Earth

©2018 Google



100 ft



Crestone Peak Resources

Sample Delivery Group: L1058097
Samples Received: 01/04/2019
Project Number: GRAN HURT
Description: Gran Hurt
Site: 40.13928-104.96659
Report To: Lonnie Dent
10188 E. I-25 Frontage Road
Fireston, CO, CO 80504

Entire Report Reviewed By:



Chris Ward
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



| | |
|---|----|
| Cp: Cover Page | 1 |
| Tc: Table of Contents | 2 |
| Ss: Sample Summary | 3 |
| Cn: Case Narrative | 4 |
| Sr: Sample Results | 5 |
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| SB-5W L1058097-06 | 10 |
| Qc: Quality Control Summary | 11 |
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| Gl: Glossary of Terms | 15 |
| Al: Accreditations & Locations | 16 |
| Sc: Sample Chain of Custody | 17 |



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SB-1 5-8 L1058097-01 Solid

| | | | Collected by Lonnie Dent | Collected date/time 01/02/19 11:11 | Received date/time 01/04/19 08:45 |
|---|-----------|----------|-----------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1219935 | 1 | 01/04/19 14:56 | 01/06/19 21:43 | DWR |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1219405 | 1 | 01/04/19 14:56 | 01/05/19 01:09 | BMB |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1219290 | 1 | 01/05/19 08:35 | 01/05/19 13:41 | KME |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SB-2 7.5-10 L1058097-02 Solid

| | | | Collected by Lonnie Dent | Collected date/time 01/02/19 12:19 | Received date/time 01/04/19 08:45 |
|---|-----------|----------|-----------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1219935 | 1 | 01/04/19 14:56 | 01/06/19 22:04 | DWR |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1219405 | 1 | 01/04/19 14:56 | 01/05/19 01:30 | BMB |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1219290 | 1 | 01/05/19 08:35 | 01/05/19 13:18 | KME |

SB-3 7.5-10 L1058097-03 Solid

| | | | Collected by Lonnie Dent | Collected date/time 01/02/19 13:10 | Received date/time 01/04/19 08:45 |
|---|-----------|----------|-----------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1219935 | 1 | 01/04/19 14:56 | 01/06/19 22:25 | DWR |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1219405 | 1 | 01/04/19 14:56 | 01/05/19 01:50 | BMB |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1219290 | 1 | 01/05/19 08:35 | 01/05/19 13:53 | KME |

SB-4 5-7.5 L1058097-04 Solid

| | | | Collected by Lonnie Dent | Collected date/time 01/02/19 15:06 | Received date/time 01/04/19 08:45 |
|---|-----------|----------|-----------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1219935 | 1 | 01/04/19 14:56 | 01/06/19 22:46 | DWR |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1219405 | 1 | 01/04/19 14:56 | 01/05/19 02:10 | BMB |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1219290 | 1 | 01/05/19 08:35 | 01/05/19 14:40 | KME |

SB-5 5-7.5 L1058097-05 Solid

| | | | Collected by Lonnie Dent | Collected date/time 01/02/19 15:16 | Received date/time 01/04/19 08:45 |
|---|-----------|----------|-----------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1219935 | 1 | 01/04/19 14:56 | 01/06/19 23:08 | DWR |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1219405 | 1 | 01/04/19 14:56 | 01/05/19 02:31 | BMB |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1219290 | 1 | 01/05/19 08:35 | 01/05/19 14:04 | KME |

SB-5W L1058097-06 GW

| | | | Collected by Lonnie Dent | Collected date/time 01/02/19 14:40 | Received date/time 01/04/19 08:45 |
|--|-----------|----------|-----------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1219326 | 1 | 01/04/19 21:37 | 01/04/19 21:37 | TJJ |



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris Ward
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 01/06/2019 21:43 | WG1219935 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 90.6 | | 77.0-120 | | 01/06/2019 21:43 | WG1219935 |

1
Cp2
Tc3
Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/05/2019 01:09 | WG1219405 |
| Toluene | ND | | 0.00500 | 1 | 01/05/2019 01:09 | WG1219405 |
| Ethylbenzene | ND | | 0.00250 | 1 | 01/05/2019 01:09 | WG1219405 |
| Total Xylenes | ND | | 0.00650 | 1 | 01/05/2019 01:09 | WG1219405 |
| (S) <i>Toluene-d8</i> | 119 | | 75.0-131 | | 01/05/2019 01:09 | WG1219405 |
| (S) <i>Dibromofluoromethane</i> | 88.7 | | 65.0-129 | | 01/05/2019 01:09 | WG1219405 |
| (S) <i>a,a,a</i> -Trifluorotoluene | 105 | | 80.0-120 | | 01/05/2019 01:09 | WG1219405 |
| (S) <i>4-Bromofluorobenzene</i> | 102 | | 67.0-138 | | 01/05/2019 01:09 | WG1219405 |

4
Cn5
Sr6
Qc7
Gl8
Al

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) High Fraction | ND | | 4.00 | 1 | 01/05/2019 13:41 | WG1219290 |
| (S) <i>o</i> -Terphenyl | 65.7 | | 18.0-148 | | 01/05/2019 13:41 | WG1219290 |

9
Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 01/06/2019 22:04 | WG1219935 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.3 | | 77.0-120 | | 01/06/2019 22:04 | WG1219935 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/05/2019 01:30 | WG1219405 |
| Toluene | ND | | 0.00500 | 1 | 01/05/2019 01:30 | WG1219405 |
| Ethylbenzene | ND | | 0.00250 | 1 | 01/05/2019 01:30 | WG1219405 |
| Total Xylenes | ND | | 0.00650 | 1 | 01/05/2019 01:30 | WG1219405 |
| (S) Toluene-d8 | 121 | | 75.0-131 | | 01/05/2019 01:30 | WG1219405 |
| (S) Dibromofluoromethane | 92.0 | | 65.0-129 | | 01/05/2019 01:30 | WG1219405 |
| (S) a,a,a-Trifluorotoluene | 102 | | 80.0-120 | | 01/05/2019 01:30 | WG1219405 |
| (S) 4-Bromofluorobenzene | 99.2 | | 67.0-138 | | 01/05/2019 01:30 | WG1219405 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) High Fraction | ND | | 4.00 | 1 | 01/05/2019 13:18 | WG1219290 |
| (S) o-Terphenyl | 71.5 | | 18.0-148 | | 01/05/2019 13:18 | WG1219290 |

9 Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 01/06/2019 22:25 | WG1219935 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 90.6 | | 77.0-120 | | 01/06/2019 22:25 | WG1219935 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/05/2019 01:50 | WG1219405 |
| Toluene | ND | | 0.00500 | 1 | 01/05/2019 01:50 | WG1219405 |
| Ethylbenzene | ND | | 0.00250 | 1 | 01/05/2019 01:50 | WG1219405 |
| Total Xylenes | ND | | 0.00650 | 1 | 01/05/2019 01:50 | WG1219405 |
| (S) Toluene-d8 | 120 | | 75.0-131 | | 01/05/2019 01:50 | WG1219405 |
| (S) Dibromofluoromethane | 91.1 | | 65.0-129 | | 01/05/2019 01:50 | WG1219405 |
| (S) <i>a,a,a</i> -Trifluorotoluene | 101 | | 80.0-120 | | 01/05/2019 01:50 | WG1219405 |
| (S) 4-Bromofluorobenzene | 97.5 | | 67.0-138 | | 01/05/2019 01:50 | WG1219405 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) High Fraction | ND | | 4.00 | 1 | 01/05/2019 13:53 | WG1219290 |
| (S) <i>o</i> -Terphenyl | 62.8 | | 18.0-148 | | 01/05/2019 13:53 | WG1219290 |

9 Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 01/06/2019 22:46 | WG1219935 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 90.4 | | 77.0-120 | | 01/06/2019 22:46 | WG1219935 |

1
Cp2
Tc3
Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|------------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/05/2019 02:10 | WG1219405 |
| Toluene | ND | | 0.00500 | 1 | 01/05/2019 02:10 | WG1219405 |
| Ethylbenzene | ND | | 0.00250 | 1 | 01/05/2019 02:10 | WG1219405 |
| Total Xylenes | ND | | 0.00650 | 1 | 01/05/2019 02:10 | WG1219405 |
| (S) <i>Toluene-d8</i> | 121 | | 75.0-131 | | 01/05/2019 02:10 | WG1219405 |
| (S) <i>Dibromofluoromethane</i> | 88.5 | | 65.0-129 | | 01/05/2019 02:10 | WG1219405 |
| (S) <i>a,a,a</i> -Trifluorotoluene | 104 | | 80.0-120 | | 01/05/2019 02:10 | WG1219405 |
| (S) <i>4</i> -Bromofluorobenzene | 98.0 | | 67.0-138 | | 01/05/2019 02:10 | WG1219405 |

4
Cn5
Sr6
Qc7
Gl8
Al

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) High Fraction | ND | | 4.00 | 1 | 01/05/2019 14:40 | WG1219290 |
| (S) <i>o</i> -Terphenyl | 59.3 | | 18.0-148 | | 01/05/2019 14:40 | WG1219290 |

9
Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction | ND | | 0.100 | 1 | 01/06/2019 23:08 | WG1219935 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.0 | | 77.0-120 | | 01/06/2019 23:08 | WG1219935 |

1 Cp

2 Tc

3 Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/05/2019 02:31 | WG1219405 |
| Toluene | ND | | 0.00500 | 1 | 01/05/2019 02:31 | WG1219405 |
| Ethylbenzene | ND | | 0.00250 | 1 | 01/05/2019 02:31 | WG1219405 |
| Total Xylenes | ND | | 0.00650 | 1 | 01/05/2019 02:31 | WG1219405 |
| (S) Toluene-d8 | 112 | | 75.0-131 | | 01/05/2019 02:31 | WG1219405 |
| (S) Dibromofluoromethane | 95.3 | | 65.0-129 | | 01/05/2019 02:31 | WG1219405 |
| (S) a,a,a-Trifluorotoluene | 103 | | 80.0-120 | | 01/05/2019 02:31 | WG1219405 |
| (S) 4-Bromofluorobenzene | 93.2 | | 67.0-138 | | 01/05/2019 02:31 | WG1219405 |

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result mg/kg | Qualifier | RDL mg/kg | Dilution | Analysis date / time | Batch |
|----------------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) High Fraction | ND | | 4.00 | 1 | 01/05/2019 14:04 | WG1219290 |
| (S) o-Terphenyl | 54.6 | | 18.0-148 | | 01/05/2019 14:04 | WG1219290 |

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/04/2019 21:37 | WG1219326 |
| Toluene | ND | | 0.00100 | 1 | 01/04/2019 21:37 | WG1219326 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/04/2019 21:37 | WG1219326 |
| o-Xylene | ND | | 0.00100 | 1 | 01/04/2019 21:37 | WG1219326 |
| m&p-Xylene | ND | | 0.00100 | 1 | 01/04/2019 21:37 | WG1219326 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/04/2019 21:37 | WG1219326 |
| (S) Toluene-d8 | 103 | | 80.0-120 | | 01/04/2019 21:37 | WG1219326 |
| (S) Dibromofluoromethane | 100 | | 75.0-120 | | 01/04/2019 21:37 | WG1219326 |
| (S) a,a,a-Trifluorotoluene | 99.4 | | 80.0-120 | | 01/04/2019 21:37 | WG1219326 |
| (S) 4-Bromofluorobenzene | 93.2 | | 77.0-126 | | 01/04/2019 21:37 | WG1219326 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Method Blank (MB)

(MB) R3374246-3 01/06/19 20:28

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.4 | | | 77.0-120 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3374246-1 01/06/19 19:25 • (LCSD) R3374246-2 01/06/19 19:46

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.07 | 5.46 | 92.1 | 99.3 | 72.0-127 | | | 7.47 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 109 | 111 | 77.0-120 | | | | |

L1058258-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1058258-01 01/07/19 04:25 • (MS) R3374246-4 01/07/19 04:46 • (MSD) R3374246-5 01/07/19 05:07

| Analyte | Spike Amount (dry) mg/kg | Original Result (dry) mg/kg | MS Result (dry) mg/kg | MSD Result (dry) mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 7.12 | 0.746 | 19.6 | 21.2 | 10.6 | 11.5 | 25 | 10.0-151 | | | 7.82 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 98.3 | 100 | | 77.0-120 | | | | |



Method Blank (MB)

(MB) R3373619-3 01/04/19 15:16

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.000331 | 0.00100 |
| Ethylbenzene | U | | 0.000384 | 0.00100 |
| Toluene | U | | 0.000412 | 0.00100 |
| Xylenes, Total | U | | 0.00106 | 0.00300 |
| o-Xylene | U | | 0.000341 | 0.00100 |
| m&p-Xylenes | U | | 0.000719 | 0.00100 |
| (S) Toluene-d8 | 107 | | | 80.0-120 |
| (S) Dibromofluoromethane | 97.3 | | | 75.0-120 |
| (S) a,a,a-Trifluorotoluene | 97.7 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 98.3 | | | 77.0-126 |

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3373619-1 01/04/19 14:15 • (LCSD) R3373619-2 01/04/19 14:35

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.0250 | 0.0245 | 0.0239 | 98.2 | 95.6 | 70.0-123 | | | 2.65 | 20 |
| Ethylbenzene | 0.0250 | 0.0253 | 0.0242 | 101 | 97.0 | 79.0-123 | | | 4.19 | 20 |
| Toluene | 0.0250 | 0.0250 | 0.0246 | 100 | 98.2 | 79.0-120 | | | 1.82 | 20 |
| Xylenes, Total | 0.0750 | 0.0739 | 0.0727 | 98.5 | 96.9 | 79.0-123 | | | 1.64 | 20 |
| o-Xylene | 0.0250 | 0.0240 | 0.0235 | 95.9 | 94.0 | 80.0-122 | | | 1.99 | 20 |
| m&p-Xylenes | 0.0500 | 0.0499 | 0.0492 | 99.8 | 98.4 | 80.0-122 | | | 1.36 | 20 |
| (S) Toluene-d8 | | | | 102 | 102 | 80.0-120 | | | | |
| (S) Dibromofluoromethane | | | | 97.4 | 94.8 | 75.0-120 | | | | |
| (S) a,a,a-Trifluorotoluene | | | | 97.1 | 96.9 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 91.4 | 92.0 | 77.0-126 | | | | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3373974-2 01/05/19 00:49

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000400 | 0.00100 |
| Ethylbenzene | U | | 0.000530 | 0.00250 |
| Toluene | U | | 0.00125 | 0.00500 |
| Xylenes, Total | U | | 0.00478 | 0.00650 |
| (S) Toluene-d8 | 115 | | | 75.0-131 |
| (S) Dibromofluoromethane | 90.1 | | | 65.0-129 |
| (S) a,a,a-Trifluorotoluene | 106 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 92.5 | | | 67.0-138 |

Laboratory Control Sample (LCS)

(LCS) R3373974-1 01/04/19 23:36

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.123 | 98.0 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.121 | 96.8 | 74.0-126 | |
| Toluene | 0.125 | 0.128 | 102 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.418 | 111 | 72.0-127 | |
| (S) Toluene-d8 | | | 106 | 75.0-131 | |
| (S) Dibromofluoromethane | | | 104 | 65.0-129 | |
| (S) a,a,a-Trifluorotoluene | | | 104 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 99.1 | 67.0-138 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3373687-1 01/05/19 12:24

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) High Fraction | U | | 0.769 | 4.00 |
| (S) o-Terphenyl | 72.4 | | | 18.0-148 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3373687-2 01/05/19 12:35 • (LCSD) R3373687-3 01/05/19 12:46

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCSD Result mg/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) High Fraction | 50.0 | 39.3 | 39.5 | 78.6 | 79.0 | 50.0-150 | | | 0.508 | 20 |
| (S) o-Terphenyl | | | | 91.4 | 92.8 | 18.0-148 | | | | |

L1058097-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1058097-04 01/05/19 14:40 • (MS) R3373687-4 01/05/19 14:52 • (MSD) R3373687-5 01/05/19 15:03

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) High Fraction | 50.0 | ND | 38.7 | 37.6 | 77.4 | 75.2 | 1 | 50.0-150 | | | 2.88 | 20 |
| (S) o-Terphenyl | | | | | 80.3 | 79.3 | | 18.0-148 | | | | |



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

| | |
|------------------------------|--|
| (dry) | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils]. |
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

| | | | |
|-------------------------|-------------|-----------------------------|-------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN-03-2002-34 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | n/a |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1 6} | 90010 | South Carolina | 84004 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1 4} | 2006 |
| Louisiana ¹ | LA180010 | Texas | T 104704245-17-14 |
| Maine | TN0002 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN00003 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 460132 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 9980939910 |
| Montana | CERT0086 | Wyoming | A2LA |

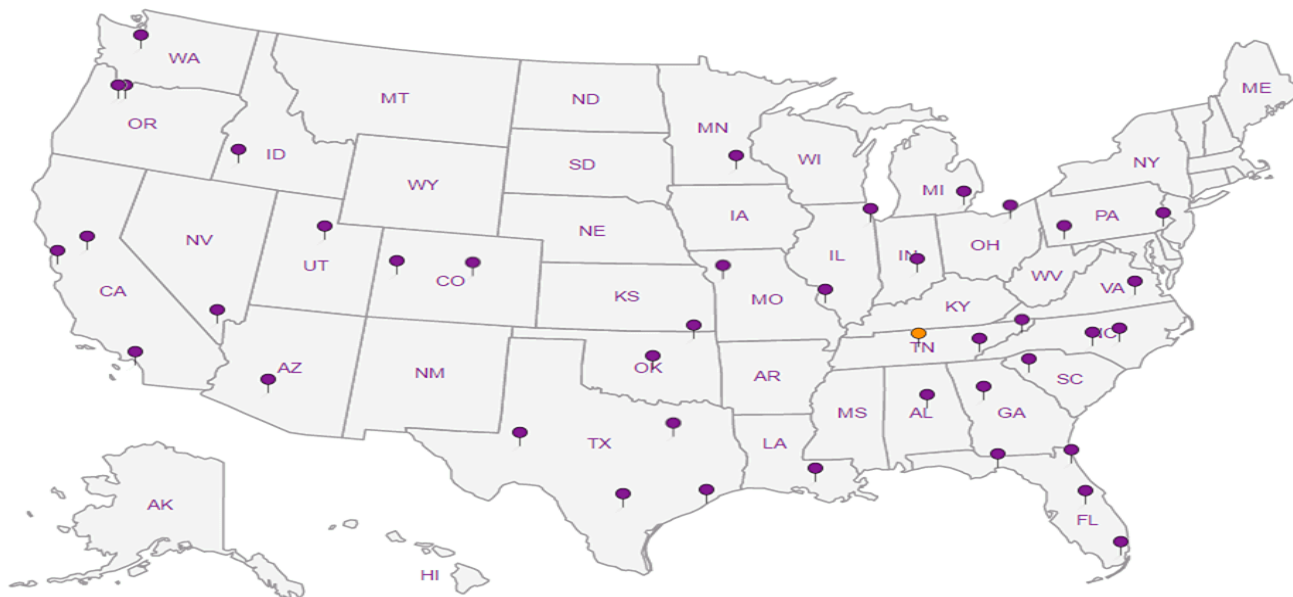
Third Party Federal Accreditations

| | | | |
|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP, LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Company Name/Address:
Crestone Peak Resources

10188 E. I-25 Frontage Road
Firestone, CO 80504

Billing Information:
Crestone

Report to:
Lonnie Dent

Email To:
ldent@remingtontech.net

Project
Description: **Gran Hurt**

City/State
Collected:

Phone: **970-278-1646**
Fax: **970-278-1644**

Client Project #
Gran Hurt

Lab Project #

Collected by (print):

Site/Facility ID #
40.13928, -104.96659

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
____ Same Day200%
____ Next Day100%
____ Two Day50%
____ Three Day25%

Date Results Needed
Standard

Email? ☐ No ☒ Yes
FAX? ☐ No ☐ Yes

Immediately
Packed on Ice N ☐ Y ☒

No.
of
Cnts

BTEX 8260

TPH-GRO

TPH-DRO

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time |
|---------------|-----------|----------|--------|--------|------|
| SB-1 5 - 8 | Grab | SS | 5-8 | 1-2-19 | 1111 |
| SB-2 7.5 - 10 | Grab | SS | 7.5-10 | 1-2-19 | 1219 |
| SB-3 7.5 - 10 | Grab | SS | 7.5-10 | 1-2-19 | 1310 |
| SB-4 5 - 7.5 | Grab | SS | 5-7.5 | 1-2-19 | 1506 |
| SB-5 5 - 7.5 | Grab | SS | 5-7.5 | 1-2-19 | 1516 |
| SB-5W | Grab | GW | NA | 1-2-19 | 1440 |

| | | | |
|---|---|---|---|
| 1 | X | X | X |
| 1 | X | X | X |
| 1 | X | X | X |
| 1 | X | X | X |
| 1 | X | X | X |
| 3 | X | | |

Chain of Custody Page 1 of 1

ESC
L.A.B S.C.I.E.N.C.E.S

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# **L1058097**

F169

Acctnum: **CREPEAFCO**

Template:

Prelogin:

TSR: **Shane Gambill**

PB:

Shipped Via:

| Rem./Contaminant | Sample # (lab only) |
|------------------|---------------------|
|------------------|---------------------|

-6
12
03
04
05
06

RAD SCREEN <0.5 mR/hr

RAD SCREEN <0.5 mR/hr

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

Relinquished by: (Signature)
Lonnie Dent

Date:
1-3-19

Time:
1027

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ☐ UPS
☐ FedEx ☐ Courier ☐ _____

Temp: _____ °C Bottles Received: **8**

Date: **2/5/19** Time: **945**

Hold #


Condition: (lab use only)

COC Seal Intact: ☒ Y ☐ N ☐ NA

pH Checked: NCF:

Pace Analytical National Center for Testing & Innovation

Cooler Receipt Form

| | | | |
|--|--------------|-----------------|-----------|
| Client: <u>CR6PEAFLO</u> | SDG# | <u>L1059097</u> | |
| Cooler Received/Opened On: 01/ <u>4</u> /2019 | Temperature: | <u>2.5</u> | |
| Received By: Patrick Nshizirungu | | | |
| Signature:  | | | |
| | | | |
| Receipt Check List | NP | Yes | No |
| COC Seal Present / Intact? | | | |
| COC Signed / Accurate? | | | |
| Bottles arrive intact? | | | |
| Correct bottles used? | | | |
| Sufficient volume sent? | | | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | | |

Crestone Peak Resources

| | |
|------------------------|-----------------------------|
| Sample Delivery Group: | L1059591 |
| Samples Received: | 01/09/2019 |
| Project Number: | GRAN HURT |
| Description: | Gran Hurt |
| Site: | 40.13928, -104.96659 |
| Report To: | Lonnie Dent |
| | 10188 E. I-25 Frontage Road |
| | Fireston, CO, CO 80504 |

Entire Report Reviewed By:



Chris Ward
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



| | |
|--|----|
| Cp: Cover Page | 1 |
| Tc: Table of Contents | 2 |
| Ss: Sample Summary | 3 |
| Cn: Case Narrative | 4 |
| Sr: Sample Results | 5 |
| SB-1W L1059591-01 | 5 |
| SB-2W L1059591-02 | 6 |
| SB-3W L1059591-03 | 7 |
| SB-4W L1059591-04 | 8 |
| Qc: Quality Control Summary | 9 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 |
| Gl: Glossary of Terms | 12 |
| Al: Accreditations & Locations | 13 |
| Sc: Sample Chain of Custody | 14 |





SB-1W L1059591-01 GW

| | | | Collected by Joe Fletcher | Collected date/time 01/08/19 13:35 | Received date/time 01/09/19 08:45 |
|--|-----------|----------|------------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1221648 | 1 | 01/10/19 13:36 | 01/10/19 13:36 | PP |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1222540 | 1 | 01/11/19 20:06 | 01/11/19 20:06 | PP |

¹ Cp² Tc³ Ss

SB-2W L1059591-02 GW

| | | | Collected by Joe Fletcher | Collected date/time 01/08/19 13:50 | Received date/time 01/09/19 08:45 |
|--|-----------|----------|------------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1221648 | 1 | 01/10/19 13:56 | 01/10/19 13:56 | PP |

⁴ Cn⁵ Sr⁶ Qc

SB-3W L1059591-03 GW

| | | | Collected by Joe Fletcher | Collected date/time 01/08/19 14:00 | Received date/time 01/09/19 08:45 |
|--|-----------|----------|------------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1221648 | 1 | 01/10/19 14:15 | 01/10/19 14:15 | PP |

⁷ Gl⁸ Al

SB-4W L1059591-04 GW

| | | | Collected by Joe Fletcher | Collected date/time 01/08/19 14:05 | Received date/time 01/09/19 08:45 |
|--|-----------|----------|------------------------------|---------------------------------------|--------------------------------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1221648 | 1 | 01/10/19 14:35 | 01/10/19 14:35 | PP |

⁹ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris Ward
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/11/2019 20:06 | WG1222540 |
| Toluene | ND | | 0.00100 | 1 | 01/10/2019 13:36 | WG1221648 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/11/2019 20:06 | WG1222540 |
| o-Xylene | 0.00151 | | 0.00100 | 1 | 01/10/2019 13:36 | WG1221648 |
| m&p-Xylene | 0.00367 | | 0.00100 | 1 | 01/10/2019 13:36 | WG1221648 |
| Total Xylenes | 0.00518 | | 0.00300 | 1 | 01/10/2019 13:36 | WG1221648 |
| (S) Toluene-d8 | 107 | | 80.0-120 | | 01/10/2019 13:36 | WG1221648 |
| (S) Toluene-d8 | 110 | | 80.0-120 | | 01/11/2019 20:06 | WG1222540 |
| (S) Dibromofluoromethane | 98.9 | | 75.0-120 | | 01/10/2019 13:36 | WG1221648 |
| (S) Dibromofluoromethane | 80.8 | | 75.0-120 | | 01/11/2019 20:06 | WG1222540 |
| (S) a,a,a-Trifluorotoluene | 101 | | 80.0-120 | | 01/10/2019 13:36 | WG1221648 |
| (S) a,a,a-Trifluorotoluene | 112 | | 80.0-120 | | 01/11/2019 20:06 | WG1222540 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 01/10/2019 13:36 | WG1221648 |
| (S) 4-Bromofluorobenzene | 109 | | 77.0-126 | | 01/11/2019 20:06 | WG1222540 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/10/2019 13:56 | WG1221648 |
| Toluene | ND | | 0.00100 | 1 | 01/10/2019 13:56 | WG1221648 |
| Ethylbenzene | 0.00224 | | 0.00100 | 1 | 01/10/2019 13:56 | WG1221648 |
| o-Xylene | 0.00558 | | 0.00100 | 1 | 01/10/2019 13:56 | WG1221648 |
| m&p-Xylene | 0.00811 | | 0.00100 | 1 | 01/10/2019 13:56 | WG1221648 |
| Total Xylenes | 0.0137 | | 0.00300 | 1 | 01/10/2019 13:56 | WG1221648 |
| (S) Toluene-d8 | 107 | | 80.0-120 | | 01/10/2019 13:56 | WG1221648 |
| (S) Dibromofluoromethane | 98.7 | | 75.0-120 | | 01/10/2019 13:56 | WG1221648 |
| (S) a,a,a-Trifluorotoluene | 101 | | 80.0-120 | | 01/10/2019 13:56 | WG1221648 |
| (S) 4-Bromofluorobenzene | 103 | | 77.0-126 | | 01/10/2019 13:56 | WG1221648 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/10/2019 14:15 | WG1221648 |
| Toluene | ND | | 0.00100 | 1 | 01/10/2019 14:15 | WG1221648 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/10/2019 14:15 | WG1221648 |
| o-Xylene | ND | | 0.00100 | 1 | 01/10/2019 14:15 | WG1221648 |
| m&p-Xylene | ND | | 0.00100 | 1 | 01/10/2019 14:15 | WG1221648 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/10/2019 14:15 | WG1221648 |
| (S) Toluene-d8 | 106 | | 80.0-120 | | 01/10/2019 14:15 | WG1221648 |
| (S) Dibromofluoromethane | 102 | | 75.0-120 | | 01/10/2019 14:15 | WG1221648 |
| (S) a,a,a-Trifluorotoluene | 102 | | 80.0-120 | | 01/10/2019 14:15 | WG1221648 |
| (S) 4-Bromofluorobenzene | 100 | | 77.0-126 | | 01/10/2019 14:15 | WG1221648 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260B

| Analyte | Result mg/l | Qualifier | RDL mg/l | Dilution | Analysis date / time | Batch |
|----------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Benzene | ND | | 0.00100 | 1 | 01/10/2019 14:35 | WG1221648 |
| Toluene | ND | | 0.00100 | 1 | 01/10/2019 14:35 | WG1221648 |
| Ethylbenzene | ND | | 0.00100 | 1 | 01/10/2019 14:35 | WG1221648 |
| o-Xylene | ND | | 0.00100 | 1 | 01/10/2019 14:35 | WG1221648 |
| m&p-Xylene | ND | | 0.00100 | 1 | 01/10/2019 14:35 | WG1221648 |
| Total Xylenes | ND | | 0.00300 | 1 | 01/10/2019 14:35 | WG1221648 |
| (S) Toluene-d8 | 108 | | 80.0-120 | | 01/10/2019 14:35 | WG1221648 |
| (S) Dibromofluoromethane | 100 | | 75.0-120 | | 01/10/2019 14:35 | WG1221648 |
| (S) a,a,a-Trifluorotoluene | 101 | | 80.0-120 | | 01/10/2019 14:35 | WG1221648 |
| (S) 4-Bromofluorobenzene | 102 | | 77.0-126 | | 01/10/2019 14:35 | WG1221648 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Method Blank (MB)

(MB) R3375273-3 01/10/19 10:24

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.000331 | 0.00100 |
| Ethylbenzene | U | | 0.000384 | 0.00100 |
| Toluene | U | | 0.000412 | 0.00100 |
| Xylenes, Total | U | | 0.00106 | 0.00300 |
| o-Xylene | U | | 0.000341 | 0.00100 |
| m&p-Xylenes | U | | 0.000719 | 0.00100 |
| (S) Toluene-d8 | 106 | | | 80.0-120 |
| (S) Dibromofluoromethane | 102 | | | 75.0-120 |
| (S) a,a,a-Trifluorotoluene | 99.5 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 103 | | | 77.0-126 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3375273-1 01/10/19 08:43 • (LCSD) R3375273-2 01/10/19 09:03

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.0250 | 0.0265 | 0.0265 | 106 | 106 | 70.0-123 | | | 0.143 | 20 |
| Ethylbenzene | 0.0250 | 0.0269 | 0.0272 | 108 | 109 | 79.0-123 | | | 1.22 | 20 |
| Toluene | 0.0250 | 0.0264 | 0.0262 | 106 | 105 | 79.0-120 | | | 0.967 | 20 |
| Xylenes, Total | 0.0750 | 0.0820 | 0.0832 | 109 | 111 | 79.0-123 | | | 1.45 | 20 |
| o-Xylene | 0.0250 | 0.0270 | 0.0276 | 108 | 111 | 80.0-122 | | | 2.24 | 20 |
| m&p-Xylenes | 0.0500 | 0.0550 | 0.0556 | 110 | 111 | 80.0-122 | | | 1.22 | 20 |
| (S) Toluene-d8 | | | | 103 | 104 | 80.0-120 | | | | |
| (S) Dibromofluoromethane | | | | 102 | 101 | 75.0-120 | | | | |
| (S) a,a,a-Trifluorotoluene | | | | 101 | 98.4 | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | 107 | 103 | 77.0-126 | | | | |

L1059604-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1059604-03 01/10/19 17:15 • (MS) R3375273-4 01/10/19 17:35 • (MSD) R3375273-5 01/10/19 17:55

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.0250 | 0.00336 | 0.0275 | 0.0226 | 96.4 | 77.1 | 1 | 17.0-158 | | | 19.3 | 27 |
| Ethylbenzene | 0.0250 | 0.0169 | 0.0592 | 0.0428 | 169 | 104 | 1 | 30.0-155 | J5 | J3 | 32.1 | 27 |
| Toluene | 0.0250 | U | 0.0250 | 0.0210 | 99.9 | 83.9 | 1 | 26.0-154 | | | 17.5 | 28 |
| Xylenes, Total | 0.0750 | U | 0.0789 | 0.0652 | 105 | 86.9 | 1 | 29.0-154 | | | 19.0 | 28 |
| o-Xylene | 0.0250 | U | 0.0267 | 0.0220 | 107 | 87.8 | 1 | 45.0-144 | | | 19.4 | 26 |
| m&p-Xylenes | 0.0500 | U | 0.0522 | 0.0432 | 104 | 86.5 | 1 | 43.0-146 | | | 18.8 | 26 |
| (S) Toluene-d8 | | | | | 104 | 105 | | 80.0-120 | | | | |



L1059604-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1059604-03 01/10/19 17:15 • (MS) R3375273-4 01/10/19 17:35 • (MSD) R3375273-5 01/10/19 17:55

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) Dibromofluoromethane | | | | | 98.3 | 99.5 | | 75.0-120 | | | | |
| (S) a,a,a-Trifluorotoluene | | | | | 101 | 101 | | 80.0-120 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 102 | 110 | | 77.0-126 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3375329-2 01/11/19 17:47

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| Benzene | U | | 0.000331 | 0.00100 |
| Ethylbenzene | U | | 0.000384 | 0.00100 |
| (S) Toluene-d8 | 111 | | | 80.0-120 |
| (S) Dibromofluoromethane | 80.8 | | | 75.0-120 |
| (S) a,a,a-Trifluorotoluene | 112 | | | 80.0-120 |
| (S) 4-Bromofluorobenzene | 108 | | | 77.0-126 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R3375329-1 01/11/19 16:49

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Benzene | 0.0250 | 0.0202 | 80.6 | 70.0-123 | |
| Ethylbenzene | 0.0250 | 0.0279 | 112 | 79.0-123 | |
| (S) Toluene-d8 | | | 107 | 80.0-120 | |
| (S) Dibromofluoromethane | | | 80.2 | 75.0-120 | |
| (S) a,a,a-Trifluorotoluene | | | 107 | 80.0-120 | |
| (S) 4-Bromofluorobenzene | | | 118 | 77.0-126 | |

6 Qc

7 Gl

8 Al

9 Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

| | |
|------------------------------|--|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| (S) | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

Qualifier Description

| | |
|----|--|
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

| | | | |
|-------------------------|-------------|-----------------------------|-------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN-03-2002-34 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico ¹ | n/a |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1 6} | 90010 | South Carolina | 84004 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1 4} | 2006 |
| Louisiana ¹ | LA180010 | Texas | T 104704245-17-14 |
| Maine | TN0002 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN00003 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 460132 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 9980939910 |
| Montana | CERT0086 | Wyoming | A2LA |

Third Party Federal Accreditations

| | | | |
|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP, LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |


¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Pace Analytical National Center for Testing & Innovation Cooler Receipt Form

| Client: CREPE AFCD | SDG# | 11059591 | |
|--|-------------------------------------|----------|----|
| Cooler Received/Opened On: 01/ 9 /2019 | Temperature: | 6.3 | |
| Received By: Patrick Nshizirungu | | | |
| Signature:  | | | |
| Receipt Check List | NP | Yes | No |
| COC Seal Present / Intact? | <input checked="" type="checkbox"/> | | |
| COC Signed / Accurate? | <input checked="" type="checkbox"/> | | |
| Bottles arrive intact? | <input checked="" type="checkbox"/> | | |
| Correct bottles used? | <input checked="" type="checkbox"/> | | |
| Sufficient volume sent? | <input checked="" type="checkbox"/> | | |
| If Applicable | <input checked="" type="checkbox"/> | | |
| VOA Zero headspace? | <input checked="" type="checkbox"/> | | |
| Preservation Correct / Checked? | <input checked="" type="checkbox"/> | | |