

November 08, 2021

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## Cascade Corporation- Fairview, OR

Sample Delivery Group: L1426442  
Samples Received: 11/03/2021  
Project Number: PNG0564S21  
Description: Cascade CTS

Report To: Cindy Bartlett  
2201 NE 201st Avenue  
Fairview, OR 97024-9718

Entire Report Reviewed By:



Brian Ford  
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 Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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|-----------------|
| <sup>1</sup> Cp |
| <sup>2</sup> Tc |
| <sup>3</sup> Ss |
| <sup>4</sup> Cn |
| <sup>5</sup> Sr |
| <sup>6</sup> Qc |
| <sup>7</sup> Gl |
| <sup>8</sup> Al |
| <sup>9</sup> Sc |

# SAMPLE SUMMARY

## TS-C-EFF-110221 L1426442-01 GW

Collected by  
Pat Yadon

Collected date/time  
11/02/21 13:00

Received date/time  
11/03/21 09:00

| Method                                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1769441 | 1        | 11/05/21 17:34        | 11/05/21 17:34     | JAH     | Mt. Juliet, TN |

## TS-C-EFF-110221-DUP L1426442-02 GW

Collected by  
Pat Yadon

Collected date/time  
11/02/21 13:01

Received date/time  
11/03/21 09:00

| Method                                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1769441 | 1        | 11/05/21 17:54        | 11/05/21 17:54     | JAH     | Mt. Juliet, TN |

## TS-C-INF-110221 L1426442-03 GW

Collected by  
Pat Yadon

Collected date/time  
11/02/21 13:15

Received date/time  
11/03/21 09:00

| Method                                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1769441 | 1        | 11/05/21 18:14        | 11/05/21 18:14     | JAH     | Mt. Juliet, TN |

## TRIP BLANK LOT #472 L1426442-04 GW

Collected by  
Pat Yadon

Collected date/time  
11/02/21 00:00

Received date/time  
11/03/21 09:00

| Method                                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG1769441 | 1        | 11/05/21 16:13        | 11/05/21 16:13     | JAH     | Mt. Juliet, TN |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# CASE NARRATIVE

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.

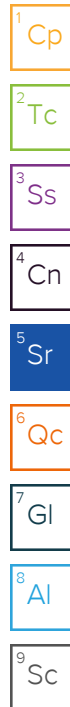


Brian Ford  
Project Manager

- <sup>1</sup> Cp
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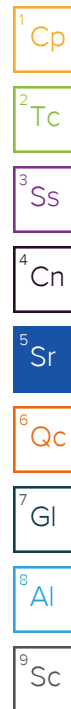
## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                        | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Acetone                        | U              |           | 11.3        | 25.0        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Acrolein                       | U              |           | 2.54        | 50.0        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Acrylonitrile                  | U              |           | 0.671       | 5.00        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Benzene                        | U              |           | 0.0941      | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Bromobenzene                   | U              |           | 0.118       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Bromodichloromethane           | U              |           | 0.136       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Bromoform                      | U              |           | 0.129       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Bromomethane                   | U              |           | 0.605       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| n-Butylbenzene                 | U              |           | 0.157       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| sec-Butylbenzene               | U              |           | 0.125       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| tert-Butylbenzene              | U              |           | 0.127       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Carbon disulfide               | U              |           | 0.0962      | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Carbon tetrachloride           | U              |           | 0.128       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Chlorobenzene                  | U              |           | 0.117       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Chlorodibromomethane           | U              |           | 0.140       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Chloroethane                   | U              |           | 0.192       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Chloroform                     | U              |           | 0.111       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Chloromethane                  | U              |           | 0.960       | 1.25        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 2-Chlorotoluene                | U              |           | 0.106       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 4-Chlorotoluene                | U              |           | 0.114       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2-Dibromo-3-Chloropropane    | U              |           | 0.276       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2-Dibromoethane              | U              |           | 0.126       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Dibromomethane                 | U              |           | 0.122       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2-Dichlorobenzene            | U              |           | 0.107       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,3-Dichlorobenzene            | U              |           | 0.299       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,4-Dichlorobenzene            | U              |           | 0.120       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Dichlorodifluoromethane        | U              |           | 0.374       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethane             | U              |           | 0.100       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2-Dichloroethane             | U              |           | 0.0819      | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethene             | U              |           | 0.188       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| cis-1,2-Dichloroethene         | U              |           | 0.126       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| trans-1,2-Dichloroethene       | U              |           | 0.149       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2-Dichloropropane            | U              | J3        | 0.149       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1-Dichloropropene            | U              |           | 0.142       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,3-Dichloropropane            | U              |           | 0.109       | 1.00        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| cis-1,3-Dichloropropene        | U              |           | 0.111       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| trans-1,3-Dichloropropene      | U              |           | 0.118       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 2,2-Dichloropropane            | U              | C3        | 0.161       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Di-isopropyl ether             | U              |           | 0.105       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Ethylbenzene                   | U              |           | 0.137       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Hexachloro-1,3-butadiene       | U              |           | 0.337       | 1.00        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Isopropylbenzene               | U              |           | 0.105       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| p-Isopropyltoluene             | U              |           | 0.120       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 2-Butanone (MEK)               | U              |           | 1.19        | 5.00        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Methylene Chloride             | U              |           | 0.430       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 4-Methyl-2-pentanone (MIBK)    | U              |           | 0.478       | 5.00        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Methyl tert-butyl ether        | U              |           | 0.101       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Naphthalene                    | U              |           | 0.174       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| n-Propylbenzene                | U              |           | 0.0993      | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Styrene                        | U              |           | 0.118       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1,1,2-Tetrachloroethane      | U              |           | 0.147       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1,2,2-Tetrachloroethane      | U              |           | 0.133       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1,2-Trichlorotrifluoroethane | U              |           | 0.180       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Tetrachloroethene              | U              |           | 0.300       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Toluene                        | U              |           | 0.278       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2,3-Trichlorobenzene         | U              |           | 0.164       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| 1,2,4-Trichlorobenzene    | U              |           | 0.481       | 1.00        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.149       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.158       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Trichloroethene           | U              |           | 0.190       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Trichlorofluoromethane    | U              |           | 0.160       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2,3-Trichloropropane    | U              |           | 0.237       | 2.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.322       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,2,3-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Vinyl chloride            | U              |           | 0.234       | 0.500       | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| Xylenes, Total            | U              |           | 0.174       | 1.50        | 1        | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| (S) Toluene-d8            | 111            |           |             | 80.0-120    |          | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| (S) 4-Bromofluorobenzene  | 96.1           |           |             | 77.0-126    |          | 11/05/2021 17:34        | <a href="#">WG1769441</a> |
| (S) 1,2-Dichloroethane-d4 | 95.7           |           |             | 70.0-130    |          | 11/05/2021 17:34        | <a href="#">WG1769441</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                        | Result<br>ug/l | Qualifier           | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------------|----------------|---------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Acetone                        | U              |                     | 11.3        | 25.0        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Acrolein                       | U              |                     | 2.54        | 50.0        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Acrylonitrile                  | U              |                     | 0.671       | 5.00        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Benzene                        | U              |                     | 0.0941      | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Bromobenzene                   | U              |                     | 0.118       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Bromodichloromethane           | U              |                     | 0.136       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Bromoform                      | U              |                     | 0.129       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Bromomethane                   | U              |                     | 0.605       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| n-Butylbenzene                 | U              |                     | 0.157       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| sec-Butylbenzene               | U              |                     | 0.125       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| tert-Butylbenzene              | U              |                     | 0.127       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Carbon disulfide               | 0.110          | <a href="#">B J</a> | 0.0962      | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Carbon tetrachloride           | U              |                     | 0.128       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Chlorobenzene                  | U              |                     | 0.117       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Chlorodibromomethane           | U              |                     | 0.140       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Chloroethane                   | U              |                     | 0.192       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Chloroform                     | U              |                     | 0.111       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Chloromethane                  | U              |                     | 0.960       | 1.25        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 2-Chlorotoluene                | U              |                     | 0.106       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 4-Chlorotoluene                | U              |                     | 0.114       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2-Dibromo-3-Chloropropane    | U              |                     | 0.276       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2-Dibromoethane              | U              |                     | 0.126       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Dibromomethane                 | U              |                     | 0.122       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2-Dichlorobenzene            | U              |                     | 0.107       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,3-Dichlorobenzene            | U              |                     | 0.299       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,4-Dichlorobenzene            | U              |                     | 0.120       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Dichlorodifluoromethane        | U              |                     | 0.374       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethane             | U              |                     | 0.100       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2-Dichloroethane             | U              |                     | 0.0819      | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethene             | U              |                     | 0.188       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| cis-1,2-Dichloroethene         | U              |                     | 0.126       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| trans-1,2-Dichloroethene       | U              |                     | 0.149       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2-Dichloropropane            | U              | <a href="#">J3</a>  | 0.149       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1-Dichloropropene            | U              |                     | 0.142       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,3-Dichloropropane            | U              |                     | 0.109       | 1.00        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| cis-1,3-Dichloropropene        | U              |                     | 0.111       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| trans-1,3-Dichloropropene      | U              |                     | 0.118       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 2,2-Dichloropropane            | U              | <a href="#">C3</a>  | 0.161       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Di-isopropyl ether             | U              |                     | 0.105       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Ethylbenzene                   | U              |                     | 0.137       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Hexachloro-1,3-butadiene       | U              |                     | 0.337       | 1.00        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Isopropylbenzene               | U              |                     | 0.105       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| p-Isopropyltoluene             | U              |                     | 0.120       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 2-Butanone (MEK)               | U              |                     | 1.19        | 5.00        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Methylene Chloride             | U              |                     | 0.430       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 4-Methyl-2-pentanone (MIBK)    | U              |                     | 0.478       | 5.00        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Methyl tert-butyl ether        | U              |                     | 0.101       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Naphthalene                    | U              |                     | 0.174       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| n-Propylbenzene                | U              |                     | 0.0993      | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Styrene                        | U              |                     | 0.118       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1,1,2-Tetrachloroethane      | U              |                     | 0.147       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1,2,2-Tetrachloroethane      | U              |                     | 0.133       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1,2-Trichlorotrifluoroethane | U              |                     | 0.180       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Tetrachloroethene              | U              |                     | 0.300       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Toluene                        | U              |                     | 0.278       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2,3-Trichlorobenzene         | U              |                     | 0.164       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| 1,2,4-Trichlorobenzene    | U              |           | 0.481       | 1.00        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.149       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.158       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Trichloroethene           | U              |           | 0.190       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Trichlorofluoromethane    | U              |           | 0.160       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2,3-Trichloropropane    | U              |           | 0.237       | 2.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.322       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,2,3-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Vinyl chloride            | U              |           | 0.234       | 0.500       | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| Xylenes, Total            | U              |           | 0.174       | 1.50        | 1        | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| (S) Toluene-d8            | 105            |           |             | 80.0-120    |          | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| (S) 4-Bromofluorobenzene  | 92.0           |           |             | 77.0-126    |          | 11/05/2021 17:54        | <a href="#">WG1769441</a> |
| (S) 1,2-Dichloroethane-d4 | 99.7           |           |             | 70.0-130    |          | 11/05/2021 17:54        | <a href="#">WG1769441</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

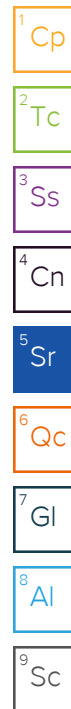
## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                        | Result<br>ug/l | Qualifier          | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------------|----------------|--------------------|-------------|-------------|----------|-------------------------|---------------------------|
| Acetone                        | U              |                    | 11.3        | 25.0        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Acrolein                       | U              |                    | 2.54        | 50.0        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Acrylonitrile                  | U              |                    | 0.671       | 5.00        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Benzene                        | U              |                    | 0.0941      | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Bromobenzene                   | U              |                    | 0.118       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Bromodichloromethane           | U              |                    | 0.136       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Bromoform                      | U              |                    | 0.129       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Bromomethane                   | U              |                    | 0.605       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| n-Butylbenzene                 | U              |                    | 0.157       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| sec-Butylbenzene               | U              |                    | 0.125       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| tert-Butylbenzene              | U              |                    | 0.127       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Carbon disulfide               | U              |                    | 0.0962      | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Carbon tetrachloride           | U              |                    | 0.128       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Chlorobenzene                  | U              |                    | 0.117       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Chlorodibromomethane           | U              |                    | 0.140       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Chloroethane                   | U              |                    | 0.192       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Chloroform                     | 0.226          | <a href="#">J</a>  | 0.111       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Chloromethane                  | U              |                    | 0.960       | 1.25        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 2-Chlorotoluene                | U              |                    | 0.106       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 4-Chlorotoluene                | U              |                    | 0.114       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2-Dibromo-3-Chloropropane    | U              |                    | 0.276       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2-Dibromoethane              | U              |                    | 0.126       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Dibromomethane                 | U              |                    | 0.122       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2-Dichlorobenzene            | U              |                    | 0.107       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,3-Dichlorobenzene            | U              |                    | 0.299       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,4-Dichlorobenzene            | U              |                    | 0.120       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Dichlorodifluoromethane        | U              |                    | 0.374       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethane             | U              |                    | 0.100       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2-Dichloroethane             | U              |                    | 0.0819      | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethene             | U              |                    | 0.188       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| cis-1,2-Dichloroethene         | 0.347          | <a href="#">J</a>  | 0.126       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| trans-1,2-Dichloroethene       | U              |                    | 0.149       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2-Dichloropropane            | U              | <a href="#">J3</a> | 0.149       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1-Dichloropropene            | U              |                    | 0.142       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,3-Dichloropropane            | U              |                    | 0.109       | 1.00        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| cis-1,3-Dichloropropene        | U              |                    | 0.111       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| trans-1,3-Dichloropropene      | U              |                    | 0.118       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 2,2-Dichloropropane            | U              | <a href="#">C3</a> | 0.161       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Di-isopropyl ether             | U              |                    | 0.105       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Ethylbenzene                   | U              |                    | 0.137       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Hexachloro-1,3-butadiene       | U              |                    | 0.337       | 1.00        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Isopropylbenzene               | U              |                    | 0.105       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| p-Isopropyltoluene             | U              |                    | 0.120       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 2-Butanone (MEK)               | U              |                    | 1.19        | 5.00        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Methylene Chloride             | U              |                    | 0.430       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 4-Methyl-2-pentanone (MIBK)    | U              |                    | 0.478       | 5.00        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Methyl tert-butyl ether        | U              |                    | 0.101       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Naphthalene                    | U              |                    | 0.174       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| n-Propylbenzene                | U              |                    | 0.0993      | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Styrene                        | U              |                    | 0.118       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1,1,2-Tetrachloroethane      | U              |                    | 0.147       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1,2,2-Tetrachloroethane      | U              |                    | 0.133       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1,2-Trichlorotrifluoroethane | U              |                    | 0.180       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Tetrachloroethene              | 0.373          | <a href="#">J</a>  | 0.300       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Toluene                        | U              |                    | 0.278       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2,3-Trichlorobenzene         | U              |                    | 0.164       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| 1,2,4-Trichlorobenzene    | U              |           | 0.481       | 1.00        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.149       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.158       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Trichloroethene           | 5.51           |           | 0.190       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Trichlorofluoromethane    | U              |           | 0.160       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2,3-Trichloropropane    | U              |           | 0.237       | 2.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.322       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,2,3-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Vinyl chloride            | U              |           | 0.234       | 0.500       | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| Xylenes, Total            | U              |           | 0.174       | 1.50        | 1        | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| (S) Toluene-d8            | 116            |           |             | 80.0-120    |          | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| (S) 4-Bromofluorobenzene  | 97.7           |           |             | 77.0-126    |          | 11/05/2021 18:14        | <a href="#">WG1769441</a> |
| (S) 1,2-Dichloroethane-d4 | 91.9           |           |             | 70.0-130    |          | 11/05/2021 18:14        | <a href="#">WG1769441</a> |



## Volatile Organic Compounds (GC/MS) by Method 8260D

| Analyte                        | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| Acetone                        | U              |           | 11.3        | 25.0        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Acrolein                       | U              |           | 2.54        | 50.0        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Acrylonitrile                  | U              |           | 0.671       | 5.00        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Benzene                        | U              |           | 0.0941      | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Bromobenzene                   | U              |           | 0.118       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Bromodichloromethane           | U              |           | 0.136       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Bromoform                      | U              |           | 0.129       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Bromomethane                   | U              |           | 0.605       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| n-Butylbenzene                 | U              |           | 0.157       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| sec-Butylbenzene               | U              |           | 0.125       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| tert-Butylbenzene              | U              |           | 0.127       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Carbon disulfide               | U              |           | 0.0962      | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Carbon tetrachloride           | U              |           | 0.128       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Chlorobenzene                  | U              |           | 0.117       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Chlorodibromomethane           | U              |           | 0.140       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Chloroethane                   | U              |           | 0.192       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Chloroform                     | U              |           | 0.111       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Chloromethane                  | U              |           | 0.960       | 1.25        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 2-Chlorotoluene                | U              |           | 0.106       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 4-Chlorotoluene                | U              |           | 0.114       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2-Dibromo-3-Chloropropane    | U              |           | 0.276       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2-Dibromoethane              | U              |           | 0.126       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Dibromomethane                 | U              |           | 0.122       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2-Dichlorobenzene            | U              |           | 0.107       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,3-Dichlorobenzene            | U              |           | 0.299       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,4-Dichlorobenzene            | U              |           | 0.120       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Dichlorodifluoromethane        | U              |           | 0.374       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethane             | U              |           | 0.100       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2-Dichloroethane             | U              |           | 0.0819      | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1-Dichloroethene             | U              |           | 0.188       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| cis-1,2-Dichloroethene         | U              |           | 0.126       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| trans-1,2-Dichloroethene       | U              |           | 0.149       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2-Dichloropropane            | U              | J3        | 0.149       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1-Dichloropropene            | U              |           | 0.142       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,3-Dichloropropane            | U              |           | 0.109       | 1.00        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| cis-1,3-Dichloropropene        | U              |           | 0.111       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| trans-1,3-Dichloropropene      | U              |           | 0.118       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 2,2-Dichloropropane            | U              | C3        | 0.161       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Di-isopropyl ether             | U              |           | 0.105       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Ethylbenzene                   | U              |           | 0.137       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Hexachloro-1,3-butadiene       | U              |           | 0.337       | 1.00        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Isopropylbenzene               | U              |           | 0.105       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| p-Isopropyltoluene             | U              |           | 0.120       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 2-Butanone (MEK)               | U              |           | 1.19        | 5.00        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Methylene Chloride             | U              |           | 0.430       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 4-Methyl-2-pentanone (MIBK)    | U              |           | 0.478       | 5.00        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Methyl tert-butyl ether        | U              |           | 0.101       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Naphthalene                    | U              |           | 0.174       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| n-Propylbenzene                | U              |           | 0.0993      | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Styrene                        | U              |           | 0.118       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1,1,2-Tetrachloroethane      | U              |           | 0.147       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1,2,2-Tetrachloroethane      | U              |           | 0.133       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1,2-Trichlorotrifluoroethane | U              |           | 0.180       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Tetrachloroethene              | U              |           | 0.300       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Toluene                        | U              |           | 0.278       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2,3-Trichlorobenzene         | U              |           | 0.164       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |

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 8260D

| Analyte                   | Result<br>ug/l | Qualifier | MDL<br>ug/l | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|-----------|-------------|-------------|----------|-------------------------|---------------------------|
| 1,2,4-Trichlorobenzene    | U              |           | 0.481       | 1.00        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1,1-Trichloroethane     | U              |           | 0.149       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,1,2-Trichloroethane     | U              |           | 0.158       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Trichloroethene           | U              |           | 0.190       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Trichlorofluoromethane    | U              |           | 0.160       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2,3-Trichloropropane    | U              |           | 0.237       | 2.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2,4-Trimethylbenzene    | U              |           | 0.322       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,2,3-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| 1,3,5-Trimethylbenzene    | U              |           | 0.104       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Vinyl chloride            | U              |           | 0.234       | 0.500       | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| Xylenes, Total            | U              |           | 0.174       | 1.50        | 1        | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| (S) Toluene-d8            | 109            |           |             | 80.0-120    |          | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| (S) 4-Bromofluorobenzene  | 93.4           |           |             | 77.0-126    |          | 11/05/2021 16:13        | <a href="#">WG1769441</a> |
| (S) 1,2-Dichloroethane-d4 | 99.9           |           |             | 70.0-130    |          | 11/05/2021 16:13        | <a href="#">WG1769441</a> |

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc<sup>7</sup>Gl<sup>8</sup>Al<sup>9</sup>Sc

Method Blank (MB)

(MB) R3726741-3 11/05/21 15:12

| Analyte                     | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 11.3           | 25.0           |
| Acrolein                    | U                 |              | 2.54           | 50.0           |
| Acrylonitrile               | U                 |              | 0.671          | 5.00           |
| Benzene                     | U                 |              | 0.0941         | 0.500          |
| Bromobenzene                | U                 |              | 0.118          | 0.500          |
| Bromodichloromethane        | U                 |              | 0.136          | 0.500          |
| Bromoform                   | U                 |              | 0.129          | 0.500          |
| Bromomethane                | U                 |              | 0.605          | 2.50           |
| n-Butylbenzene              | U                 |              | 0.157          | 0.500          |
| sec-Butylbenzene            | U                 |              | 0.125          | 0.500          |
| tert-Butylbenzene           | U                 |              | 0.127          | 0.500          |
| Carbon disulfide            | 0.117             | U            | 0.0962         | 0.500          |
| Carbon tetrachloride        | U                 |              | 0.128          | 0.500          |
| Chlorobenzene               | U                 |              | 0.117          | 0.500          |
| Chlorodibromomethane        | U                 |              | 0.140          | 0.500          |
| Chloroethane                | U                 |              | 0.192          | 2.50           |
| Chloroform                  | U                 |              | 0.111          | 0.500          |
| Chloromethane               | U                 |              | 0.960          | 1.25           |
| 2-Chlorotoluene             | U                 |              | 0.106          | 0.500          |
| 4-Chlorotoluene             | U                 |              | 0.114          | 0.500          |
| 1,2-Dibromo-3-Chloropropane | U                 |              | 0.276          | 2.50           |
| 1,2-Dibromoethane           | U                 |              | 0.126          | 0.500          |
| Dibromomethane              | U                 |              | 0.122          | 0.500          |
| 1,2-Dichlorobenzene         | U                 |              | 0.107          | 0.500          |
| 1,3-Dichlorobenzene         | U                 |              | 0.299          | 0.500          |
| 1,4-Dichlorobenzene         | U                 |              | 0.120          | 0.500          |
| Dichlorodifluoromethane     | U                 |              | 0.374          | 2.50           |
| 1,1-Dichloroethane          | U                 |              | 0.100          | 0.500          |
| 1,2-Dichloroethane          | U                 |              | 0.0819         | 0.500          |
| 1,1-Dichloroethene          | U                 |              | 0.188          | 0.500          |
| cis-1,2-Dichloroethene      | U                 |              | 0.126          | 0.500          |
| trans-1,2-Dichloroethene    | U                 |              | 0.149          | 0.500          |
| 1,2-Dichloropropane         | U                 |              | 0.149          | 0.500          |
| 1,1-Dichloropropene         | U                 |              | 0.142          | 0.500          |
| 1,3-Dichloropropane         | U                 |              | 0.109          | 1.00           |
| cis-1,3-Dichloropropene     | U                 |              | 0.111          | 0.500          |
| trans-1,3-Dichloropropene   | U                 |              | 0.118          | 0.500          |
| 2,2-Dichloropropane         | U                 |              | 0.161          | 0.500          |
| Di-isopropyl ether          | U                 |              | 0.105          | 0.500          |
| Ethylbenzene                | U                 |              | 0.137          | 0.500          |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Method Blank (MB)

(MB) R3726741-3 11/05/21 15:12

| Analyte                        | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Hexachloro-1,3-butadiene       | U                 |              | 0.337          | 1.00           |
| Isopropylbenzene               | U                 |              | 0.105          | 0.500          |
| p-Isopropyltoluene             | U                 |              | 0.120          | 0.500          |
| 2-Butanone (MEK)               | U                 |              | 1.19           | 5.00           |
| Methylene Chloride             | U                 |              | 0.430          | 2.50           |
| 4-Methyl-2-pentanone (MIBK)    | U                 |              | 0.478          | 5.00           |
| Methyl tert-butyl ether        | U                 |              | 0.101          | 0.500          |
| Naphthalene                    | U                 |              | 0.174          | 2.50           |
| n-Propylbenzene                | U                 |              | 0.0993         | 0.500          |
| Styrene                        | U                 |              | 0.118          | 0.500          |
| 1,1,1,2-Tetrachloroethane      | U                 |              | 0.147          | 0.500          |
| 1,1,2,2-Tetrachloroethane      | U                 |              | 0.133          | 0.500          |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.180          | 0.500          |
| Tetrachloroethene              | U                 |              | 0.300          | 0.500          |
| Toluene                        | U                 |              | 0.278          | 0.500          |
| 1,2,3-Trichlorobenzene         | U                 |              | 0.164          | 0.500          |
| 1,2,4-Trichlorobenzene         | U                 |              | 0.481          | 1.00           |
| 1,1,1-Trichloroethane          | U                 |              | 0.149          | 0.500          |
| 1,1,2-Trichloroethane          | U                 |              | 0.158          | 0.500          |
| Trichloroethene                | U                 |              | 0.190          | 0.500          |
| Trichlorofluoromethane         | U                 |              | 0.160          | 2.50           |
| 1,2,3-Trichloropropane         | U                 |              | 0.237          | 2.50           |
| 1,2,4-Trimethylbenzene         | U                 |              | 0.322          | 0.500          |
| 1,2,3-Trimethylbenzene         | U                 |              | 0.104          | 0.500          |
| 1,3,5-Trimethylbenzene         | U                 |              | 0.104          | 0.500          |
| Vinyl chloride                 | U                 |              | 0.234          | 0.500          |
| Xylenes, Total                 | U                 |              | 0.174          | 1.50           |
| (S) Toluene-d8                 | 112               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene       | 94.2              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4      | 92.5              |              |                | 70.0-130       |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

(LCS) R3726741-1 11/05/21 12:32 • (LCSD) R3726741-2 11/05/21 12:52

| Analyte       | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Acetone       | 25.0                 | 21.7               | 22.4                | 86.8          | 89.6           | 19.0-160         |               |                | 3.17     | 27              |
| Acrolein      | 25.0                 | 20.9               | 20.5                | 83.6          | 82.0           | 10.0-160         |               |                | 1.93     | 26              |
| Acrylonitrile | 25.0                 | 22.9               | 23.8                | 91.6          | 95.2           | 55.0-149         |               |                | 3.85     | 20              |

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

(LCS) R3726741-1 11/05/21 12:32 • (LCSD) R3726741-2 11/05/21 12:52

| Analyte                     | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Benzene                     | 5.00                 | 5.27               | 5.06                | 105           | 101            | 70.0-123         |                      |                       | 4.07     | 20              |
| Bromobenzene                | 5.00                 | 4.56               | 4.77                | 91.2          | 95.4           | 73.0-121         |                      |                       | 4.50     | 20              |
| Bromodichloromethane        | 5.00                 | 5.11               | 4.95                | 102           | 99.0           | 75.0-120         |                      |                       | 3.18     | 20              |
| Bromoform                   | 5.00                 | 4.35               | 4.43                | 87.0          | 88.6           | 68.0-132         |                      |                       | 1.82     | 20              |
| Bromomethane                | 5.00                 | 4.79               | 4.88                | 95.8          | 97.6           | 10.0-160         |                      |                       | 1.86     | 25              |
| n-Butylbenzene              | 5.00                 | 4.22               | 4.13                | 84.4          | 82.6           | 73.0-125         |                      |                       | 2.16     | 20              |
| sec-Butylbenzene            | 5.00                 | 4.61               | 4.50                | 92.2          | 90.0           | 75.0-125         |                      |                       | 2.41     | 20              |
| tert-Butylbenzene           | 5.00                 | 4.79               | 4.71                | 95.8          | 94.2           | 76.0-124         |                      |                       | 1.68     | 20              |
| Carbon disulfide            | 5.00                 | 5.54               | 4.89                | 111           | 97.8           | 61.0-128         |                      |                       | 12.5     | 20              |
| Carbon tetrachloride        | 5.00                 | 5.36               | 4.97                | 107           | 99.4           | 68.0-126         |                      |                       | 7.55     | 20              |
| Chlorobenzene               | 5.00                 | 5.10               | 4.68                | 102           | 93.6           | 80.0-121         |                      |                       | 8.59     | 20              |
| Chlorodibromomethane        | 5.00                 | 4.76               | 4.50                | 95.2          | 90.0           | 77.0-125         |                      |                       | 5.62     | 20              |
| Chloroethane                | 5.00                 | 5.55               | 5.93                | 111           | 119            | 47.0-150         |                      |                       | 6.62     | 20              |
| Chloroform                  | 5.00                 | 5.59               | 5.47                | 112           | 109            | 73.0-120         |                      |                       | 2.17     | 20              |
| Chloromethane               | 5.00                 | 4.78               | 4.45                | 95.6          | 89.0           | 41.0-142         |                      |                       | 7.15     | 20              |
| 2-Chlorotoluene             | 5.00                 | 4.94               | 4.88                | 98.8          | 97.6           | 76.0-123         |                      |                       | 1.22     | 20              |
| 4-Chlorotoluene             | 5.00                 | 5.00               | 5.06                | 100           | 101            | 75.0-122         |                      |                       | 1.19     | 20              |
| 1,2-Dibromo-3-Chloropropane | 5.00                 | 4.54               | 4.32                | 90.8          | 86.4           | 58.0-134         |                      |                       | 4.97     | 20              |
| 1,2-Dibromoethane           | 5.00                 | 4.98               | 4.73                | 99.6          | 94.6           | 80.0-122         |                      |                       | 5.15     | 20              |
| Dibromomethane              | 5.00                 | 5.49               | 5.35                | 110           | 107            | 80.0-120         |                      |                       | 2.58     | 20              |
| 1,2-Dichlorobenzene         | 5.00                 | 4.97               | 4.62                | 99.4          | 92.4           | 79.0-121         |                      |                       | 7.30     | 20              |
| 1,3-Dichlorobenzene         | 5.00                 | 4.78               | 5.10                | 95.6          | 102            | 79.0-120         |                      |                       | 6.48     | 20              |
| 1,4-Dichlorobenzene         | 5.00                 | 4.83               | 5.07                | 96.6          | 101            | 79.0-120         |                      |                       | 4.85     | 20              |
| Dichlorodifluoromethane     | 5.00                 | 5.29               | 5.22                | 106           | 104            | 51.0-149         |                      |                       | 1.33     | 20              |
| 1,1-Dichloroethane          | 5.00                 | 5.56               | 5.14                | 111           | 103            | 70.0-126         |                      |                       | 7.85     | 20              |
| 1,2-Dichloroethane          | 5.00                 | 5.19               | 5.17                | 104           | 103            | 70.0-128         |                      |                       | 0.386    | 20              |
| 1,1-Dichloroethene          | 5.00                 | 5.49               | 4.86                | 110           | 97.2           | 71.0-124         |                      |                       | 12.2     | 20              |
| cis-1,2-Dichloroethene      | 5.00                 | 5.33               | 4.94                | 107           | 98.8           | 73.0-120         |                      |                       | 7.59     | 20              |
| trans-1,2-Dichloroethene    | 5.00                 | 5.33               | 4.90                | 107           | 98.0           | 73.0-120         |                      |                       | 8.41     | 20              |
| 1,2-Dichloropropane         | 5.00                 | 6.17               | 5.00                | 123           | 100            | 77.0-125         |                      | J3                    | 20.9     | 20              |
| 1,1-Dichloropropene         | 5.00                 | 5.56               | 4.75                | 111           | 95.0           | 74.0-126         |                      |                       | 15.7     | 20              |
| 1,3-Dichloropropane         | 5.00                 | 5.10               | 5.00                | 102           | 100            | 80.0-120         |                      |                       | 1.98     | 20              |
| cis-1,3-Dichloropropene     | 5.00                 | 4.79               | 4.52                | 95.8          | 90.4           | 80.0-123         |                      |                       | 5.80     | 20              |
| trans-1,3-Dichloropropene   | 5.00                 | 4.59               | 4.56                | 91.8          | 91.2           | 78.0-124         |                      |                       | 0.656    | 20              |
| 2,2-Dichloropropane         | 5.00                 | 3.63               | 3.46                | 72.6          | 69.2           | 58.0-130         |                      |                       | 4.80     | 20              |
| Di-isopropyl ether          | 5.00                 | 5.16               | 4.90                | 103           | 98.0           | 58.0-138         |                      |                       | 5.17     | 20              |
| Ethylbenzene                | 5.00                 | 4.81               | 4.33                | 96.2          | 86.6           | 79.0-123         |                      |                       | 10.5     | 20              |
| Hexachloro-1,3-butadiene    | 5.00                 | 4.11               | 3.98                | 82.2          | 79.6           | 54.0-138         |                      |                       | 3.21     | 20              |
| Isopropylbenzene            | 5.00                 | 4.63               | 4.30                | 92.6          | 86.0           | 76.0-127         |                      |                       | 7.39     | 20              |
| p-Isopropyltoluene          | 5.00                 | 4.33               | 4.58                | 86.6          | 91.6           | 76.0-125         |                      |                       | 5.61     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3726741-1 11/05/21 12:32 • (LCSD) R3726741-2 11/05/21 12:52

| Analyte                        | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCSD Result<br>ug/l | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 2-Butanone (MEK)               | 25.0                 | 20.9               | 21.1                | 83.6          | 84.4           | 44.0-160         |                      |                       | 0.952    | 20              |
| Methylene Chloride             | 5.00                 | 5.97               | 5.69                | 119           | 114            | 67.0-120         |                      |                       | 4.80     | 20              |
| 4-Methyl-2-pentanone (MIBK)    | 25.0                 | 24.7               | 24.5                | 98.8          | 98.0           | 68.0-142         |                      |                       | 0.813    | 20              |
| Methyl tert-butyl ether        | 5.00                 | 5.28               | 5.10                | 106           | 102            | 68.0-125         |                      |                       | 3.47     | 20              |
| Naphthalene                    | 5.00                 | 4.77               | 5.09                | 95.4          | 102            | 54.0-135         |                      |                       | 6.49     | 20              |
| n-Propylbenzene                | 5.00                 | 4.70               | 4.35                | 94.0          | 87.0           | 77.0-124         |                      |                       | 7.73     | 20              |
| Styrene                        | 5.00                 | 4.72               | 4.34                | 94.4          | 86.8           | 73.0-130         |                      |                       | 8.39     | 20              |
| 1,1,1,2-Tetrachloroethane      | 5.00                 | 4.72               | 4.60                | 94.4          | 92.0           | 75.0-125         |                      |                       | 2.58     | 20              |
| 1,1,2,2-Tetrachloroethane      | 5.00                 | 4.22               | 4.21                | 84.4          | 84.2           | 65.0-130         |                      |                       | 0.237    | 20              |
| 1,1,2-Trichlorotrifluoroethane | 5.00                 | 5.54               | 5.24                | 111           | 105            | 69.0-132         |                      |                       | 5.57     | 20              |
| Tetrachloroethene              | 5.00                 | 4.79               | 4.75                | 95.8          | 95.0           | 72.0-132         |                      |                       | 0.839    | 20              |
| Toluene                        | 5.00                 | 5.12               | 4.76                | 102           | 95.2           | 79.0-120         |                      |                       | 7.29     | 20              |
| 1,2,3-Trichlorobenzene         | 5.00                 | 4.06               | 4.73                | 81.2          | 94.6           | 50.0-138         |                      |                       | 15.2     | 20              |
| 1,2,4-Trichlorobenzene         | 5.00                 | 4.23               | 4.44                | 84.6          | 88.8           | 57.0-137         |                      |                       | 4.84     | 20              |
| 1,1,1-Trichloroethane          | 5.00                 | 5.44               | 5.12                | 109           | 102            | 73.0-124         |                      |                       | 6.06     | 20              |
| 1,1,2-Trichloroethane          | 5.00                 | 5.28               | 4.95                | 106           | 99.0           | 80.0-120         |                      |                       | 6.45     | 20              |
| Trichloroethene                | 5.00                 | 5.88               | 5.92                | 118           | 118            | 78.0-124         |                      |                       | 0.678    | 20              |
| Trichlorofluoromethane         | 5.00                 | 5.51               | 5.16                | 110           | 103            | 59.0-147         |                      |                       | 6.56     | 20              |
| 1,2,3-Trichloropropane         | 5.00                 | 5.17               | 5.45                | 103           | 109            | 73.0-130         |                      |                       | 5.27     | 20              |
| 1,2,4-Trimethylbenzene         | 5.00                 | 4.72               | 4.59                | 94.4          | 91.8           | 76.0-121         |                      |                       | 2.79     | 20              |
| 1,2,3-Trimethylbenzene         | 5.00                 | 4.68               | 4.84                | 93.6          | 96.8           | 77.0-120         |                      |                       | 3.36     | 20              |
| 1,3,5-Trimethylbenzene         | 5.00                 | 4.73               | 4.92                | 94.6          | 98.4           | 76.0-122         |                      |                       | 3.94     | 20              |
| Vinyl chloride                 | 5.00                 | 6.06               | 5.58                | 121           | 112            | 67.0-131         |                      |                       | 8.25     | 20              |
| Xylenes, Total                 | 15.0                 | 14.1               | 12.9                | 94.0          | 86.0           | 79.0-123         |                      |                       | 8.89     | 20              |
| (S) Toluene-d8                 |                      |                    |                     | 102           | 102            | 80.0-120         |                      |                       |          |                 |
| (S) 4-Bromofluorobenzene       |                      |                    |                     | 91.7          | 90.9           | 77.0-126         |                      |                       |          |                 |
| (S) 1,2-Dichloroethane-d4      |                      |                    |                     | 98.4          | 97.6           | 70.0-130         |                      |                       |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

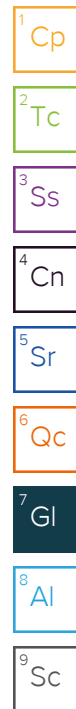
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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.                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B         | The same analyte is found in the associated blank.                                                                                                              |
| C3        | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |
| J         | The identification of the analyte is acceptable; the reported value is an estimate.                                                                             |
| J3        | The associated batch QC was outside the established quality control range for precision.                                                                        |



# ACCREDITATIONS & LOCATIONS

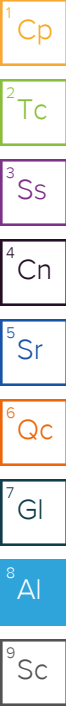
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

|                                |             |                             |                  |
|--------------------------------|-------------|-----------------------------|------------------|
| Alabama                        | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                         | 17-026      | Nevada                      | TN000032021-1    |
| Arizona                        | AZ0612      | New Hampshire               | 2975             |
| Arkansas                       | 88-0469     | New Jersey--NELAP           | TN002            |
| California                     | 2932        | New Mexico <sup>1</sup>     | TN00003          |
| Colorado                       | TN00003     | New York                    | 11742            |
| Connecticut                    | PH-0197     | North Carolina              | Env375           |
| Florida                        | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                        | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>           | 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 <sup>1 6</sup>        | KY90010     | South Carolina              | 84004002         |
| Kentucky <sup>2</sup>          | 16          | South Dakota                | n/a              |
| Louisiana                      | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana                      | LA018       | Texas                       | T104704245-20-18 |
| Maine                          | TN00003     | Texas <sup>5</sup>          | LAB0152          |
| Maryland                       | 324         | Utah                        | TN000032021-11   |
| Massachusetts                  | M-TN003     | Vermont                     | VT2006           |
| Michigan                       | 9958        | Virginia                    | 110033           |
| Minnesota                      | 047-999-395 | Washington                  | C847             |
| Mississippi                    | TN00003     | West Virginia               | 233              |
| Missouri                       | 340         | Wisconsin                   | 998093910        |
| Montana                        | CERT0086    | Wyoming                     | A2LA             |
| A2LA -- ISO 17025              | 1461.01     | AIHA-LAP,LLC EMLAP          | 100789           |
| A2LA -- ISO 17025 <sup>5</sup> | 1461.02     | DOD                         | 1461.01          |
| Canada                         | 1461.01     | USDA                        | P330-15-00234    |
| EPA--Crypto                    | TN00003     |                             |                  |

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

\* 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 Analytical.



| <b>Cascade Corporation- Fairview, OR</b><br><br>2201 NE 201st Avenue<br>Fairview, OR 97024-9718                                                  |           |                                  |       |                                                                                                                                                                                                                                                                                                                                                        |       | Billing Information:                                                                                                             |   |                                                                                                            |  |                         |  | Pres Chk             |  | Analysis / Container / Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                        |         |                     |  |                                              |  |  |  | Chain of Custody                                                                                                                                                                                                                                             |  | Page <u>1</u> of <u>1</u> |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------|--|-------------------------|--|----------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|---------|---------------------|--|----------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|
|                                                                                                                                                  |           |                                  |       |                                                                                                                                                                                                                                                                                                                                                        |       | Accounts Payable<br>P.O. Box 20187<br>Portland, OR 97294-0187                                                                    |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Report to:<br><b>Cindy Bartlett</b>                                                                                                              |           |                                  |       |                                                                                                                                                                                                                                                                                                                                                        |       | Email To:<br>CBartlett@Geosyntec.com; JLaurance@Geosyntec.com                                                                    |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  | <br><small>12065 Lebanon Rd Mount Juliet, TN 37122<br/>Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:<br/>https://info.pacelabs.com/hubfs/pas-standard-terms.pdf</small> |  |                           |  |
| Project Description:<br><b>Cascade CTS</b>                                                                                                       |           |                                  |       | City/State Collected:<br><b>Fairview OR.</b>                                                                                                                                                                                                                                                                                                           |       | Please Circle:<br><input checked="" type="radio"/> PT <input type="radio"/> MT <input type="radio"/> CT <input type="radio"/> ET |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Phone: <b>503-669-6286</b>                                                                                                                       |           |                                  |       | Client Project #<br><b>PNG0564S21</b>                                                                                                                                                                                                                                                                                                                  |       | Lab Project #<br><b>CASCORFOR-PNG0564</b>                                                                                        |   | VOCs 8260D LL 40mlAmb-HCl                                                                                  |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  | <b>C193</b>                                  |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Collected by (print):<br><b>PAT YADON</b>                                                                                                        |           |                                  |       | Site/Facility ID #                                                                                                                                                                                                                                                                                                                                     |       | P.O. #                                                                                                                           |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Collected by (signature):<br><i>[Signature]</i>                                                                                                  |           |                                  |       | Rush? (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day <input checked="" type="checkbox"/> * STANDARD |       | Quote #                                                                                                                          |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                                                       |           |                                  |       | Date Results Needed                                                                                                                                                                                                                                                                                                                                    |       | No. of Cntrs                                                                                                                     |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Sample ID                                                                                                                                        | Comp/Grab | Matrix *                         | Depth | Date                                                                                                                                                                                                                                                                                                                                                   | Time  | No. of Cntrs                                                                                                                     |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        | Remarks | Sample # (lab only) |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| TS-C-EFF-110221                                                                                                                                  |           | GW                               |       | 11/2/21                                                                                                                                                                                                                                                                                                                                                | 13:00 | 3                                                                                                                                | X |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        | -01     |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| TS-C-EFF-110221-DUP                                                                                                                              |           | GW                               |       | 11/2/21                                                                                                                                                                                                                                                                                                                                                | 13:01 | 3                                                                                                                                | X |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        | -02     |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| TS-C-INF-110221                                                                                                                                  |           | GW                               |       | 11/2/21                                                                                                                                                                                                                                                                                                                                                | 13:15 | 3                                                                                                                                | X |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        | -03     |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Trip Blank LOT# 472                                                                                                                              |           | GW                               |       | 11/2/21                                                                                                                                                                                                                                                                                                                                                | NA    | 1                                                                                                                                | X |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        | -04     |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
|                                                                                                                                                  |           | GW                               |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   |                                                                                                            |  |                         |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| * Matrix:<br>SS - Soil   AIR - Air   F - Filter<br>GW - Groundwater   B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other _____ |           | Remarks:                         |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   | pH _____ Temp _____<br>Flow _____ Other _____                                                              |  |                         |  |                      |  | <u>Sample Receipt Checklist</u><br>COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input type="checkbox"/> Y <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |  |                        |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Samples returned via:<br><input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier                            |           | Tracking # <b>5217 3308 1040</b> |       |                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                                                                  |   | Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/><br>HCL / MeOH TBR |  |                         |  |                      |  | Bottles Received: <b>9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                        |         |                     |  | If preservation required by Login: Date/Time |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Relinquished by : (Signature)<br><i>[Signature]</i>                                                                                              |           | Date:<br><b>11/2/21</b>          |       | Time:<br><b>13:00</b>                                                                                                                                                                                                                                                                                                                                  |       | Received by: (Signature)<br><b>FED EX</b>                                                                                        |   | Temp: <b>4°C</b>                                                                                           |  | Date:<br><b>11/3/21</b> |  | Time:<br><b>9:00</b> |  | Hold:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Condition:<br>NCF / OK |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Relinquished by : (Signature)                                                                                                                    |           | Date:                            |       | Time:                                                                                                                                                                                                                                                                                                                                                  |       | Received by: (Signature)                                                                                                         |   | Temp:                                                                                                      |  | Date:                   |  | Time:                |  | Hold:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Condition:             |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |
| Relinquished by : (Signature)                                                                                                                    |           | Date:                            |       | Time:                                                                                                                                                                                                                                                                                                                                                  |       | Received for lab by: (Signature)                                                                                                 |   | Temp:                                                                                                      |  | Date:                   |  | Time:                |  | Hold:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Condition:             |         |                     |  |                                              |  |  |  |                                                                                                                                                                                                                                                              |  |                           |  |