

**CTEH - ER**

Sample Delivery Group: L1867303  
Samples Received: 06/07/2025  
Project Number: PROJ-054017  
Description: Bishop Loss of Containment Incident

Report To: CTEH  
5120 North Shore Drive  
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey  
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 [mydata.pacelabs.com](https://mydata.pacelabs.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 |

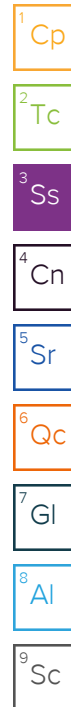
# SAMPLE SUMMARY

GACO0606T164W001 L1867303-01

Collected by  
Collected date/time  
Received date/time

06/06/25 14:30 06/07/25 10:15

| Method  | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results                                      | WG2536653 | 1        | 06/13/25 00:03        | 06/13/25 00:03     | AEC     | Mt. Juliet, TN |
| Gravimetric Analysis by Method 2540 C-2011              | WG2533249 | 1        | 06/07/25 12:48        | 06/07/25 14:33     | JAC     | Mt. Juliet, TN |
| Gravimetric Analysis by Method 2540 D-2020              | WG2533546 | 1        | 06/08/25 09:22        | 06/08/25 11:04     | AMG     | Mt. Juliet, TN |
| Wet Chemistry by Method 130.1                           | WG2533626 | 1        | 06/09/25 09:58        | 06/09/25 17:41     | AEC     | Mt. Juliet, TN |
| Wet Chemistry by Method 2320 B-2011                     | WG2533260 | 1        | 06/07/25 14:02        | 06/07/25 14:02     | RJP     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                           | WG2533159 | 1        | 06/07/25 18:46        | 06/07/25 18:46     | DLH     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                           | WG2533159 | 5        | 06/08/25 18:17        | 06/08/25 18:17     | ZSA     | Mt. Juliet, TN |
| Wet Chemistry by Method 350.1                           | WG2533723 | 1        | 06/08/25 18:22        | 06/08/25 18:22     | RTW     | Mt. Juliet, TN |
| Wet Chemistry by Method 351.2                           | WG2536653 | 1        | 06/12/25 19:42        | 06/13/25 00:03     | AEC     | Mt. Juliet, TN |
| Wet Chemistry by Method 365.4                           | WG2536867 | 1        | 06/11/25 07:27        | 06/11/25 16:58     | JDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 5310 B-2014                     | WG2533188 | 1        | 06/07/25 15:56        | 06/07/25 15:56     | ASH     | Mt. Juliet, TN |
| Wet Chemistry by Method 5540 C-2011                     | WG2533209 | 1        | 06/07/25 12:17        | 06/07/25 15:35     | JEG     | Mt. Juliet, TN |
| Wet Chemistry by Method 7199                            | WG2533241 | 1        | 06/09/25 22:51        | 06/09/25 22:51     | EKB     | Mt. Juliet, TN |
| Wet Chemistry by Method 9040C                           | WG2533330 | 1        | 06/07/25 16:15        | 06/07/25 16:15     | KRB     | Mt. Juliet, TN |
| Mercury by Method 7470A                                 | WG2533171 | 1        | 06/07/25 15:08        | 06/07/25 18:29     | LAS     | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B                          | WG2533235 | 1        | 06/07/25 12:44        | 06/08/25 15:53     | LD      | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B                          | WG2533266 | 1        | 06/07/25 13:18        | 06/08/25 17:44     | LD      | Mt. Juliet, TN |
| Metals (ICPMS) by Method 6020B                          | WG2533266 | 5        | 06/07/25 13:18        | 06/08/25 19:46     | LD      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D         | WG2533256 | 1        | 06/07/25 13:32        | 06/07/25 13:32     | NCD     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D      | WG2533263 | 1        | 06/07/25 18:43        | 06/07/25 18:43     | NCD     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015D    | WG2533191 | 1        | 06/07/25 12:54        | 06/07/25 18:38     | MAA     | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG2533192 | 1        | 06/07/25 14:40        | 06/08/25 16:20     | NJK     | Mt. Juliet, TN |



GACO0606T164WT001 L1867303-02

Collected by  
Collected date/time  
Received date/time

06/06/25 07:00 06/07/25 10:15

| Method   | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|--|-----------|----------|-----------------------|--------------------|---------|----------------|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2533263 | 1        | 06/07/25 15:16        | 06/07/25 15:16     | NCD     | Mt. Juliet, TN |

GACO0606T164W001 L1867303-03

Collected by  
Collected date/time  
Received date/time

06/06/25 14:30 06/07/25 10:15

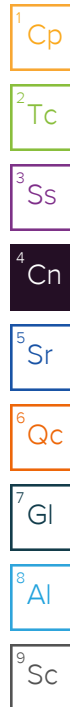
| Method                                | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|---------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Radiochemistry by Method 904/9320     | WG2533179 | 1        | 06/07/25 15:26        | 06/12/25 18:24     | DDD     | Mt. Juliet, TN |
| Radiochemistry by Method D5174        | WG2534690 | 1        | 06/10/25 22:49        | 06/12/25 16:17     | CAB     | Mt. Juliet, TN |
| Radiochemistry by Method SM7500Ra B M | WG2533869 | 1        | 06/09/25 08:57        | 06/10/25 19:47     | ZRG     | Mt. Juliet, TN |

# CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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 radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. 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.



Jared Starkey  
Project Manager



## Project Comments

L1867303/WG2533192 - Benzidine is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

## Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

| Batch     | Method | Lab Sample ID |
|-----------|--------|---------------|
| WG2533330 | 9040C  | L1867303-01   |

## Wet Chemistry by Method 130.1

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

| Batch     | Lab Sample ID    | Analytes                                     |
|-----------|------------------|--|
| WG2533626 | (MS) R4227795-3  | Hardness (colorimetric) as CaCO <sub>3</sub> |
| WG2533626 | (MSD) R4227795-4 | Hardness (colorimetric) as CaCO <sub>3</sub> |

## Wet Chemistry by Method 300.0

The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

| Batch     | Lab Sample ID    | Analytes |
|-----------|------------------|----------|
| WG2533159 | (MS) R4227220-4  | Sulfate  |
| WG2533159 | (MS) R4227220-7  | Sulfate  |
| WG2533159 | (MSD) R4227220-8 | Sulfate  |

The associated batch QC was outside the established quality control range for precision.

| Batch     | Lab Sample ID    | Analytes |
|-----------|------------------|----------|
| WG2533159 | (DUP) R4227220-6 | Sulfate  |

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

| Batch     | Lab Sample ID                                      | Analytes             |
|-----------|--|----------------------|
| WG2533159 | (MS) R4227220-4, (MS) R4227220-7, (MSD) R4227220-8 | Chloride and Sulfate |

The sample concentration is too high to evaluate accurate spike recoveries.

| Batch     | Lab Sample ID                     | Analytes |
|-----------|-----------------------------------|----------|
| WG2533159 | (MS) R4227220-7, (MSD) R4227220-8 | Sulfate  |

# CASE NARRATIVE

## Wet Chemistry by Method 351.2

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

| Batch     | Lab Sample ID    | Analytes               |
|-----------|------------------|------------------------|
| WG2536653 | (MSD) R4229705-5 | Kjeldahl Nitrogen, TKN |

## Wet Chemistry by Method 365.4

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

| Batch     | Lab Sample ID   | Analytes          |
|-----------|---|-------------------|
| WG2536867 | (MS) R4229212-10, (MS) R4229212-12, (MSD) R4229212-3, L1867303-01 | Phosphorus, Total |

## Metals (ICPMS) by Method 6020B

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

| Batch     | Lab Sample ID    | Analytes          |
|-----------|------------------|-------------------|
| WG2533266 | (MSD) R4227337-5 | Aluminum and Iron |

The sample concentration is too high to evaluate accurate spike recoveries.

| Batch     | Lab Sample ID    | Analytes                      |
|-----------|------------------|-------------------------------|
| WG2533266 | (MSD) R4227337-5 | Calcium, Magnesium and Sodium |

The associated batch QC was outside the established quality control range for precision.

| Batch     | Lab Sample ID    | Analytes          |
|-----------|------------------|-------------------|
| WG2533266 | (MSD) R4227337-5 | Aluminum and Iron |

## Volatile Organic Compounds (GC) by Method 8015D

The associated batch QC was outside the established quality control range for precision.

| Batch     | Lab Sample ID                      | Analytes                  |
|-----------|------------------------------------|---------------------------|
| WG2533256 | (MSD) R4227159-4, (MSD) R4227159-6 | TPH (GC/FID) Low Fraction |

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

| Batch     | Lab Sample ID | Analytes  |
|-----------|---------------|---|
| WG2533263 | L1867303-01   | 1,2,3-Trichlorobenzene, n-Butylbenzene and Vinyl chloride |
| WG2533263 | L1867303-02   | 1,2,3-Trichlorobenzene, n-Butylbenzene and Vinyl chloride |

The associated batch QC was above the established quality control range for accuracy.

| Batch     | Lab Sample ID  | Analytes               |
|-----------|--|------------------------|
| WG2533263 | (LCS) R4227156-1, (LCSD) R4227156-2, L1867303-01, 02 | Acetone and Chloroform |

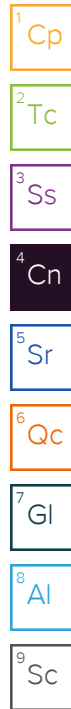
## Semi Volatile Organic Compounds (GC/MS) by Method 8270E

The associated batch QC was below the established quality control range for accuracy.

| Batch     | Lab Sample ID                 | Analytes  |
|-----------|-------------------------------|-----------|
| WG2533192 | (LCS) R4227387-1, L1867303-01 | Benzidine |

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

| Batch     | Lab Sample ID                     | Analytes  |
|-----------|-----------------------------------|-----------|
| WG2533192 | (MS) R4227387-3, (MSD) R4227387-4 | Benzidine |



# CASE NARRATIVE

## Semi Volatile Organic Compounds (GC/MS) by Method 8270E

The associated batch QC was outside the established quality control range for precision.

| Batch     | Lab Sample ID    | Analytes   |
|-----------|------------------|--|
| WG2533192 | (MSD) R4227387-4 | 4-Chloro-3-methylphenol, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene and Chrysene |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Calculated Results

| Analyte        | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Total Nitrogen | 1280           |           | 100         | 1        | 06/13/2025 00:03        | <a href="#">WG2536653</a> |

## Gravimetric Analysis by Method 2540 C-2011

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Dissolved Solids | 348000         |           | 10000       | 1        | 06/07/2025 14:33        | <a href="#">WG2533249</a> |

## Gravimetric Analysis by Method 2540 D-2020

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Suspended Solids | 58000          |           | 8330        | 1        | 06/08/2025 11:04        | <a href="#">WG2533546</a> |

## Wet Chemistry by Method 130.1

| Analyte                          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Hardness (colorimetric) as CaCO3 | 220000         |           | 30000       | 1        | 06/09/2025 17:41        | <a href="#">WG2533626</a> |

## Wet Chemistry by Method 2320 B-2011

| Analyte                | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Alkalinity             | 121000         |           | 20000       | 1        | 06/07/2025 14:02        | <a href="#">WG2533260</a> |
| Alkalinity,Bicarbonate | 121000         |           | 20000       | 1        | 06/07/2025 14:02        | <a href="#">WG2533260</a> |
| Alkalinity,Carbonate   | ND             |           | 20000       | 1        | 06/07/2025 14:02        | <a href="#">WG2533260</a> |

## Sample Narrative:

L1867303-01 WG2533260: Endpoint pH 4.5 HEADSPACE

## Wet Chemistry by Method 300.0

| Analyte        | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|----------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Bromide        | ND             |           | 1000        | 1        | 06/07/2025 18:46        | <a href="#">WG2533159</a> |
| Chloride       | 16200          |           | 1000        | 1        | 06/07/2025 18:46        | <a href="#">WG2533159</a> |
| Fluoride       | 479            |           | 150         | 1        | 06/07/2025 18:46        | <a href="#">WG2533159</a> |
| Nitrate as (N) | ND             |           | 100         | 1        | 06/07/2025 18:46        | <a href="#">WG2533159</a> |
| Nitrite as (N) | ND             |           | 100         | 1        | 06/07/2025 18:46        | <a href="#">WG2533159</a> |
| Sulfate        | 135000         |           | 25000       | 5        | 06/08/2025 18:17        | <a href="#">WG2533159</a> |

## Wet Chemistry by Method 350.1

| Analyte          | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Ammonia Nitrogen | 100            |           | 100         | 1        | 06/08/2025 18:22        | <a href="#">WG2533723</a> |

## Wet Chemistry by Method 351.2

| Analyte                | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Kjeldahl Nitrogen, TKN | 1280           |           | 250         | 1        | 06/13/2025 00:03        | <a href="#">WG2536653</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

Wet Chemistry by Method 365.4

| Analyte          | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch     |
|------------------|--------|-----------|-----|----------|----------------------|-----------|
| Phosphorus,Total | 573    | J6        | 100 | 1        | 06/11/2025 16:58     | WG2536867 |

Sample Narrative:

L1867303-01 WG2536867: Spike failed due to matrix.

Wet Chemistry by Method 5310 B-2014

| Analyte                    | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch     |
|----------------------------|--------|-----------|------|----------|----------------------|-----------|
| TOC (Total Organic Carbon) | 6150   |           | 1000 | 1        | 06/07/2025 15:56     | WG2533188 |

Wet Chemistry by Method 5540 C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis date / time | Batch     |
|---------|--------|-----------|-----|----------|----------------------|-----------|
| MBAS    | 102    |           | 100 | 1        | 06/07/2025 15:35     | WG2533209 |

Wet Chemistry by Method 7199

| Analyte             | Result | Qualifier | RDL   | Dilution | Analysis date / time | Batch     |
|---------------------|--------|-----------|-------|----------|----------------------|-----------|
| Hexavalent Chromium | ND     |           | 0.500 | 1        | 06/09/2025 22:51     | WG2533241 |

Wet Chemistry by Method 9040C

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch     |
|---------|--------|-----------|----------|----------------------|-----------|
| pH      | 7.93   | T8        | 1        | 06/07/2025 16:15     | WG2533330 |

Sample Narrative:

L1867303-01 WG2533330: 7.93 at 22.9C

Mercury by Method 7470A

| Analyte | Result | Qualifier | RDL   | Dilution | Analysis date / time | Batch     |
|---------|--------|-----------|-------|----------|----------------------|-----------|
| Mercury | ND     |           | 0.200 | 1        | 06/07/2025 18:29     | WG2533171 |

Metals (ICPMS) by Method 6020B

| Analyte            | Result | Qualifier | RDL  | Dilution | Analysis date / time | Batch     |
|--------------------|--------|-----------|------|----------|----------------------|-----------|
| Aluminum           | 505    |           | 100  | 1        | 06/08/2025 17:44     | WG2533266 |
| Aluminum,Dissolved | ND     |           | 100  | 1        | 06/08/2025 15:53     | WG2533235 |
| Antimony           | ND     |           | 4.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Arsenic            | 3.10   |           | 2.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Arsenic,Dissolved  | 2.68   |           | 2.00 | 1        | 06/08/2025 15:53     | WG2533235 |
| Barium             | 51.9   |           | 2.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Beryllium          | ND     |           | 2.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Boron              | 77.3   |           | 30.0 | 1        | 06/08/2025 17:44     | WG2533266 |
| Cadmium            | ND     |           | 1.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Cadmium,Dissolved  | ND     |           | 1.00 | 1        | 06/08/2025 15:53     | WG2533235 |
| Calcium            | 54000  |           | 5000 | 5        | 06/08/2025 19:46     | WG2533266 |
| Chromium           | ND     |           | 2.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Chromium,Dissolved | ND     |           | 2.00 | 1        | 06/08/2025 15:53     | WG2533235 |
| Copper             | ND     |           | 5.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Copper,Dissolved   | ND     |           | 5.00 | 1        | 06/08/2025 15:53     | WG2533235 |
| Cobalt             | ND     |           | 2.00 | 1        | 06/08/2025 17:44     | WG2533266 |
| Iron               | 522    |           | 100  | 1        | 06/08/2025 17:44     | WG2533266 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



## Metals (ICPMS) by Method 6020B

| Analyte             | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Lead                | ND             |           | 2.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Lead,Dissolved      | ND             |           | 2.00        | 1        | 06/08/2025 15:53        | <a href="#">WG2533235</a> |
| Magnesium           | 21100          |           | 1000        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Manganese           | 165            |           | 5.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Manganese,Dissolved | 155            |           | 5.00        | 1        | 06/08/2025 15:53        | <a href="#">WG2533235</a> |
| Nickel              | ND             |           | 2.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Nickel,Dissolved    | ND             |           | 2.00        | 1        | 06/08/2025 15:53        | <a href="#">WG2533235</a> |
| Potassium           | 3450           |           | 2000        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Selenium            | ND             |           | 2.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Selenium,Dissolved  | ND             |           | 2.00        | 1        | 06/08/2025 15:53        | <a href="#">WG2533235</a> |
| Silver              | ND             |           | 2.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Silver,Dissolved    | ND             |           | 2.00        | 1        | 06/08/2025 15:53        | <a href="#">WG2533235</a> |
| Sodium              | 25900          |           | 2000        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Thallium            | ND             |           | 2.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Vanadium            | ND             |           | 5.00        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Zinc                | ND             |           | 25.0        | 1        | 06/08/2025 17:44        | <a href="#">WG2533266</a> |
| Zinc,Dissolved      | ND             |           | 25.0        | 1        | 06/08/2025 15:53        | <a href="#">WG2533235</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) by Method 8015D

| Analyte                         | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | ND             |           | 100         | 1        | 06/07/2025 13:32        | <a href="#">WG2533256</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 91.3           |           | 78.0-120    |          | 06/07/2025 13:32        | <a href="#">WG2533256</a> |

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

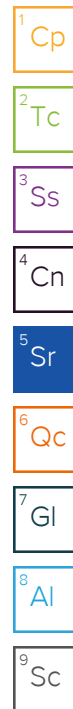
| Analyte                     | Result<br>ug/l | Qualifier          | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------------|----------------|--------------------|-------------|----------|-------------------------|---------------------------|
| Acetone                     | ND             | <a href="#">J4</a> | 50.0        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Acrolein                    | ND             |                    | 50.0        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Acrylonitrile               | ND             |                    | 10.0        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Benzene                     | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Bromobenzene                | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Bromodichloromethane        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Bromoform                   | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Bromomethane                | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| n-Butylbenzene              | ND             | <a href="#">C3</a> | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| sec-Butylbenzene            | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| tert-Butylbenzene           | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Carbon tetrachloride        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Chlorobenzene               | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Chlorodibromomethane        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Chloroethane                | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Chloroform                  | ND             | <a href="#">J4</a> | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Chloromethane               | ND             |                    | 2.50        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 2-Chlorotoluene             | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 4-Chlorotoluene             | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2-Dibromo-3-Chloropropane | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2-Dibromoethane           | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Dibromomethane              | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2-Dichlorobenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,3-Dichlorobenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,4-Dichlorobenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Dichlorodifluoromethane     | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1-Dichloroethane          | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2-Dichloroethane          | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |

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

| Analyte                        | Result<br>ug/l | Qualifier          | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------------|----------------|--------------------|-------------|----------|-------------------------|---------------------------|
| 1,1-Dichloroethene             | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| cis-1,2-Dichloroethene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| trans-1,2-Dichloroethene       | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2-Dichloropropane            | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1-Dichloropropene            | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,3-Dichloropropane            | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| cis-1,3-Dichloropropene        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| trans-1,3-Dichloropropene      | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 2,2-Dichloropropane            | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Di-isopropyl ether             | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Ethylbenzene                   | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Hexachloro-1,3-butadiene       | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Isopropylbenzene               | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| p-Isopropyltoluene             | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 2-Butanone (MEK)               | ND             |                    | 10.0        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Methylene Chloride             | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 4-Methyl-2-pentanone (MIBK)    | ND             |                    | 10.0        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Methyl tert-butyl ether        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Naphthalene                    | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| n-Propylbenzene                | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Styrene                        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1,1,2-Tetrachloroethane      | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1,2,2-Tetrachloroethane      | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1,2-Trichlorotrifluoroethane | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Tetrachloroethene              | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Toluene                        | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2,3-Trichlorobenzene         | ND             | <a href="#">C3</a> | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2,4-Trichlorobenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1,1-Trichloroethane          | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,1,2-Trichloroethane          | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Trichloroethene                | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Trichlorofluoromethane         | ND             |                    | 5.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2,3-Trichloropropane         | ND             |                    | 2.50        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2,4-Trimethylbenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,2,3-Trimethylbenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| 1,3,5-Trimethylbenzene         | ND             |                    | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Vinyl chloride                 | ND             | <a href="#">C3</a> | 1.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| Xylenes, Total                 | ND             |                    | 3.00        | 1        | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| (S) Toluene-d8                 | 105            |                    | 80.0-120    |          | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| (S) 4-Bromofluorobenzene       | 98.0           |                    | 77.0-126    |          | 06/07/2025 18:43        | <a href="#">WG2533263</a> |
| (S) 1,2-Dichloroethane-d4      | 109            |                    | 70.0-130    |          | 06/07/2025 18:43        | <a href="#">WG2533263</a> |

## Semi-Volatile Organic Compounds (GC) by Method 8015D

| Analyte                 | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| C10-C28 Diesel Range    | 158            |           | 100         | 1        | 06/07/2025 18:38        | <a href="#">WG2533191</a> |
| C28-C36 Motor Oil Range | 138            |           | 100         | 1        | 06/07/2025 18:38        | <a href="#">WG2533191</a> |
| (S) o-Terphenyl         | 108            |           | 52.0-156    |          | 06/07/2025 18:38        | <a href="#">WG2533191</a> |



## Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte                     | Result<br>ug/l | Qualifier          | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|-----------------------------|----------------|--------------------|-------------|----------|-------------------------|---------------------------|
| Acenaphthene                | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Acenaphthylene              | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Anthracene                  | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzidine                   | ND             | <a href="#">J4</a> | 20.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzo(a)anthracene          | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzo(b)fluoranthene        | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzo(k)fluoranthene        | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzo(g,h,i)perylene        | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzo(a)pyrene              | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Bis(2-chlorethoxy)methane   | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Bis(2-chloroethyl)ether     | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,2-Oxybis(1-Chloropropane) | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 4-Bromophenyl-phenylether   | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2-Chloronaphthalene         | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 4-Chlorophenyl-phenylether  | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Chrysene                    | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Dibenz(a,h)anthracene       | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 1,2-Dichlorobenzene         | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 1,3-Dichlorobenzene         | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 1,4-Dichlorobenzene         | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 3,3-Dichlorobenzidine       | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,4-Dinitrotoluene          | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,6-Dinitrotoluene          | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Fluoranthene                | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Fluorene                    | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Hexachlorobenzene           | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Hexachloro-1,3-butadiene    | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Hexachlorocyclopentadiene   | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Hexachloroethane            | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Indeno(1,2,3-cd)pyrene      | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Isophorone                  | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 1-Methylnaphthalene         | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2-Methylnaphthalene         | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Naphthalene                 | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Nitrobenzene                | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| n-Nitrosodimethylamine      | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| n-Nitrosodiphenylamine      | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| n-Nitrosodi-n-propylamine   | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Phenanthrene                | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Benzylbutyl phthalate       | ND             |                    | 3.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Bis(2-ethylhexyl)phthalate  | ND             |                    | 3.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Di-n-butyl phthalate        | ND             |                    | 3.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Diethyl phthalate           | ND             |                    | 3.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Dimethyl phthalate          | ND             |                    | 3.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Di-n-octyl phthalate        | ND             |                    | 3.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Pyrene                      | ND             |                    | 1.00        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 1,2,4-Trichlorobenzene      | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 4-Chloro-3-methylphenol     | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2-Chlorophenol              | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,4-Dichlorophenol          | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,4-Dimethylphenol          | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 4,6-Dinitro-2-methylphenol  | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,4-Dinitrophenol           | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2-Nitrophenol               | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 4-Nitrophenol               | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| Pentachlorophenol           | ND             |                    | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

| Analyte                  | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|--------------------------|----------------|-----------|-------------|----------|-------------------------|---------------------------|
| Phenol                   | ND             |           | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| 2,4,6-Trichlorophenol    | ND             |           | 10.0        | 1        | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| (S) 2-Fluorophenol       | 41.6           |           | 10.0-120    |          | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| (S) Phenol-d5            | 29.1           |           | 10.0-120    |          | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| (S) Nitrobenzene-d5      | 76.5           |           | 10.0-127    |          | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| (S) 2-Fluorobiphenyl     | 68.5           |           | 10.0-130    |          | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| (S) 2,4,6-Tribromophenol | 67.5           |           | 10.0-155    |          | 06/08/2025 16:20        | <a href="#">WG2533192</a> |
| (S) p-Terphenyl-d14      | 74.6           |           | 10.0-128    |          | 06/08/2025 16:20        | <a href="#">WG2533192</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

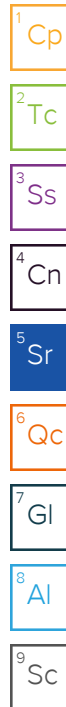
7Gl

8Al

9Sc

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

| Analyte                        | Result<br>ug/l | Qualifier | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch     |
|--------------------------------|----------------|-----------|-------------|----------|-------------------------|-----------|
| Acetone                        | ND             | J4        | 50.0        | 1        | 06/07/2025 15:16        | WG2533263 |
| Acrolein                       | ND             |           | 50.0        | 1        | 06/07/2025 15:16        | WG2533263 |
| Acrylonitrile                  | ND             |           | 10.0        | 1        | 06/07/2025 15:16        | WG2533263 |
| Benzene                        | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Bromobenzene                   | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Bromodichloromethane           | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Bromoform                      | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Bromomethane                   | ND             |           | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| n-Butylbenzene                 | ND             | C3        | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| sec-Butylbenzene               | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| tert-Butylbenzene              | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Carbon tetrachloride           | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Chlorobenzene                  | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Chlorodibromomethane           | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Chloroethane                   | ND             |           | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Chloroform                     | ND             | J4        | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Chloromethane                  | ND             |           | 2.50        | 1        | 06/07/2025 15:16        | WG2533263 |
| 2-Chlorotoluene                | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 4-Chlorotoluene                | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2-Dibromo-3-Chloropropane    | ND             |           | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2-Dibromoethane              | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Dibromomethane                 | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2-Dichlorobenzene            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,3-Dichlorobenzene            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,4-Dichlorobenzene            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Dichlorodifluoromethane        | ND             |           | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,1-Dichloroethane             | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2-Dichloroethane             | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,1-Dichloroethene             | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| cis-1,2-Dichloroethene         | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| trans-1,2-Dichloroethene       | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2-Dichloropropane            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,1-Dichloropropene            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,3-Dichloropropane            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| cis-1,3-Dichloropropene        | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| trans-1,3-Dichloropropene      | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 2,2-Dichloropropane            | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Di-isopropyl ether             | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Ethylbenzene                   | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Hexachloro-1,3-butadiene       | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Isopropylbenzene               | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| p-Isopropyltoluene             | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 2-Butanone (MEK)               | ND             |           | 10.0        | 1        | 06/07/2025 15:16        | WG2533263 |
| Methylene Chloride             | ND             |           | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 4-Methyl-2-pentanone (MIBK)    | ND             |           | 10.0        | 1        | 06/07/2025 15:16        | WG2533263 |
| Methyl tert-butyl ether        | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Naphthalene                    | ND             |           | 5.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| n-Propylbenzene                | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Styrene                        | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,1,1,2-Tetrachloroethane      | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,1,2,2-Tetrachloroethane      | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,1,2-Trichlorotrifluoroethane | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Tetrachloroethene              | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| Toluene                        | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2,3-Trichlorobenzene         | ND             | C3        | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |
| 1,2,4-Trichlorobenzene         | ND             |           | 1.00        | 1        | 06/07/2025 15:16        | WG2533263 |



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

| Analyte                   | Result<br>ug/l | Qualifier          | RDL<br>ug/l | Dilution | Analysis<br>date / time | Batch                     |
|---------------------------|----------------|--------------------|-------------|----------|-------------------------|---------------------------|
| 1,1,1-Trichloroethane     | ND             |                    | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| 1,1,2-Trichloroethane     | ND             |                    | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| Trichloroethene           | ND             |                    | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| Trichlorofluoromethane    | ND             |                    | 5.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| 1,2,3-Trichloropropane    | ND             |                    | 2.50        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| 1,2,4-Trimethylbenzene    | ND             |                    | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| 1,2,3-Trimethylbenzene    | ND             |                    | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| 1,3,5-Trimethylbenzene    | ND             |                    | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| Vinyl chloride            | ND             | <a href="#">C3</a> | 1.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| Xylenes, Total            | ND             |                    | 3.00        | 1        | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| (S) Toluene-d8            | 106            |                    | 80.0-120    |          | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| (S) 4-Bromofluorobenzene  | 100            |                    | 77.0-126    |          | 06/07/2025 15:16        | <a href="#">WG2533263</a> |
| (S) 1,2-Dichloroethane-d4 | 105            |                    | 70.0-130    |          | 06/07/2025 15:16        | <a href="#">WG2533263</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 904/9320

| Analyte     | Result | Qualifier | 2 sigma CE | TPU   | MDA   | Lc       | Analysis Date    | Batch     |
|-------------|--------|-----------|------------|-------|-------|----------|------------------|-----------|
|             | pCi/l  |           | + / -      | + / - | pCi/l | pCi/l    | date / time      |           |
| RADIUM-228  | 0.396  | J         | 0.398      | 0.428 | 0.664 | 0.214    | 06/12/2025 18:24 | WG2533179 |
| (T) Barium  | 87.7   |           |            |       |       | 30.0-143 | 06/12/2025 18:24 | WG2533179 |
| (T) Yttrium | 108    |           |            |       |       | 30.0-136 | 06/12/2025 18:24 | WG2533179 |

Radiochemistry by Method D5174

| Analyte | Result | Qualifier | Uncertainty | RDL  | Analysis Date    | Batch     |
|---------|--------|-----------|-------------|------|------------------|-----------|
|         | ug/l   |           | + / -       | ug/l | date / time      |           |
| Uranium | 5.13   |           | 0.202       | 1.00 | 06/12/2025 16:17 | WG2534690 |

Radiochemistry by Method SM7500Ra B M

| Analyte        | Result | Qualifier | 2 sigma CE | TPU   | MDA   | Lc       | Analysis Date    | Batch     |
|----------------|--------|-----------|------------|-------|-------|----------|------------------|-----------|
|                | pCi/l  |           | + / -      | + / - | pCi/l | pCi/l    | date / time      |           |
| RADIUM-226     | 0.0913 | U         | 0.206      | 0.248 | 0.335 | 0.111    | 06/10/2025 19:47 | WG2533869 |
| (T) Barium-133 | 87.2   |           |            |       |       | 30.0-143 | 06/10/2025 19:47 | WG2533869 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227381-1 06/07/25 14:33

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | ug/l      |              | ug/l   | ug/l   |
| Dissolved Solids | U         |              | 10000  | 10000  |

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/07/25 14:33 • (DUP) R4227381-3 06/07/25 14:33

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Dissolved Solids | 1290000         | 1280000    | 1        | 0.932   |               | 10             |

L1867318-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-09 06/07/25 14:33 • (DUP) R4227381-4 06/07/25 14:33

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Dissolved Solids | 310000          | 323000     | 1        | 4.11    |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R4227381-2 06/07/25 14:33

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | ug/l         | ug/l       | %        | %           |               |
| Dissolved Solids | 8800000      | 8510000    | 96.7     | 90.0-110    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R4227574-1 06/08/25 11:04

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | ug/l      |              | ug/l   | ug/l   |
| Suspended Solids | U         |              | 283    | 2500   |

L1867309-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-05 06/08/25 11:04 • (DUP) R4227574-3 06/08/25 11:04

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Suspended Solids | 59200           | 54800      | 1        | 7.72    |               | 10             |

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/08/25 11:04 • (DUP) R4227574-4 06/08/25 11:04

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Suspended Solids | 185000          | 172000     | 1        | 7.14    |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R4227574-2 06/08/25 11:04

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | ug/l         | ug/l       | %        | %           |               |
| Suspended Solids | 773000       | 792000     | 102      | 85.0-115    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4229682-1 06/12/25 18:24

| Analyte     | MB Result<br>pCi/l | MB Qualifier | MB 2 sigma CE<br>+ / - | MB MDA<br>pCi/l | MB Lc<br>pCi/l |
|-------------|--------------------|--------------|------------------------|-----------------|----------------|
| Radium-228  | 0.0695             | <u>U</u>     | 0.321                  | 0.559           | 0.182          |
| (T) Barium  | 92.4               |              | 92.4                   |                 |                |
| (T) Yttrium | 107                |              | 107                    |                 |                |

L1867302-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-05 06/12/25 18:24 • (DUP) R4229682-5 06/12/25 18:24

| Analyte     | Original Result<br>pCi/l | Original 2<br>sigma CE<br>+ / - | Original MDA<br>pCi/l | Original Lc<br>pCi/l | DUP Result<br>pCi/l | DUP 2 sigma<br>CE<br>+ / - | DUP MDA<br>pCi/l | DUP Lc<br>pCi/l | DUP RPD<br>% | DUP RER | DUP Qualifier | DUP RPD<br>Limits<br>% | DUP RER Limit |
|-------------|--------------------------|---------------------------------|-----------------------|----------------------|---------------------|----------------------------|------------------|-----------------|--------------|---------|---------------|------------------------|---------------|
| Radium-228  | 0.507                    | 0.386                           | 0.632                 | 0.203                | 0.395               | 0.511                      | 0.864            | 0.277           | 24.7         | 0.174   | <u>J</u>      | 20                     | 3             |
| (T) Barium  | 89.2                     |                                 |                       |                      | 84.8                | 84.8                       |                  |                 |              |         |               |                        |               |
| (T) Yttrium | 105                      |                                 |                       |                      | 106                 | 106                        |                  |                 |              |         |               |                        |               |

Laboratory Control Sample (LCS)

(LCS) R4229682-2 06/12/25 18:24

| Analyte     | Spike Amount<br>pCi/l | LCS Result<br>pCi/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|-------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-228  | 5.00                  | 4.48                | 89.6          | 80.0-120         |               |
| (T) Barium  |                       |                     | 94.8          |                  |               |
| (T) Yttrium |                       |                     | 113           |                  |               |

L1867309-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-30 06/12/25 18:24 • (MS) R4229682-3 06/12/25 18:24 • (MSD) R4229682-4 06/12/25 18:24

| Analyte     | Spike Amount<br>pCi/l | Original Result<br>pCi/l | MS Result<br>pCi/l | MSD Result<br>pCi/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | MS RER | RPD Limits<br>% |
|-------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| Radium-228  | 10.0                  | 0.429                    | 10.7               | 11.0                | 102          | 106           | 1        | 70.0-130         |              |               | 2.95     |        | 20              |
| (T) Barium  |                       | 80.8                     |                    |                     | 90.0         | 88.4          |          |                  |              |               |          |        |                 |
| (T) Yttrium |                       | 109                      |                    |                     | 103          | 104           |          |                  |              |               |          |        |                 |



Method Blank (MB)

(MB) R4229539-1 06/12/25 16:02

|         | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|---------|-----------|---------------------|--------|--------|
| Analyte | ug/l      |                     | ug/l   | ug/l   |
| Uranium | U         |                     | 1.00   | 1.00   |

L1867318-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-23 06/12/25 16:46 • (DUP) R4229539-5 06/12/25 16:09

|         | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | ug/l            | ug/l       |          | %       |                      | %              |
| Uranium | 5.04            | 5.40       | 1        | 6.95    |                      | 20             |

Laboratory Control Sample (LCS)

(LCS) R4229539-2 06/12/25 16:05

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|---------|--------------|------------|----------|-------------|----------------------|
| Analyte | ug/l         | ug/l       | %        | %           |                      |
| Uranium | 30.0         | 30.7       | 102      | 80.0-120    |                      |

L1867309-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-30 06/12/25 16:31 • (MS) R4229539-3 06/12/25 16:06 • (MSD) R4229539-4 06/12/25 16:07

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD    | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|---------------------|----------------------|--------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |                     |                      | %      | %          |
| Uranium | 20.0         | 9.36            | 30.4      | 30.4       | 105     | 105      | 1        | 75.0-125    |                     |                      | 0.0896 | 20         |

<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) R4228566-1 06/10/25 19:47

| Analyte        | MB Result<br>pCi/l | MB Qualifier | MB 2 sigma CE<br>+ / - | MB MDA<br>pCi/l | MB Lc<br>pCi/l |
|----------------|--------------------|--------------|------------------------|-----------------|----------------|
| Radium-226     | -0.00572           | <u>U</u>     | 0.0145                 | 0.0552          | 0.0134         |
| (T) Barium-133 | 75.9               |              | 75.9                   |                 |                |

L1867309-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-24 06/10/25 19:47 • (DUP) R4228566-5 06/10/25 19:47

| Analyte        | Original Result<br>pCi/l | Original 2<br>sigma CE<br>+ / - | Original MDA<br>pCi/l | Original Lc<br>pCi/l | DUP Result<br>pCi/l | DUP 2 sigma<br>CE<br>+ / - | DUP MDA<br>pCi/l | DUP Lc<br>pCi/l | DUP RPD<br>% | DUP RER | DUP Qualifier | DUP RPD<br>Limits<br>% | DUP RER Limit |
|----------------|--------------------------|---------------------------------|-----------------------|----------------------|---------------------|----------------------------|------------------|-----------------|--------------|---------|---------------|------------------------|---------------|
| Radium-226     | 0.407                    | 0.330                           | 0.386                 | 0.124                | 0.158               | 0.234                      | 0.351            | 0.106           | 88.4         | 0.617   | <u>J</u>      | 20                     | 3             |
| (T) Barium-133 | 84.4                     |                                 |                       |                      | 83.6                | 83.6                       |                  |                 |              |         |               |                        |               |

Laboratory Control Sample (LCS)

(LCS) R4228566-2 06/10/25 19:47

| Analyte        | Spike Amount<br>pCi/l | LCS Result<br>pCi/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------|-----------------------|---------------------|---------------|------------------|---------------|
| Radium-226     | 5.00                  | 5.80                | 116           | 80.0-120         |               |
| (T) Barium-133 |                       |                     | 68.6          |                  |               |

L1867309-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-30 06/10/25 19:47 • (MS) R4228566-3 06/10/25 19:47 • (MSD) R4228566-4 06/10/25 19:47

| Analyte        | Spike Amount<br>pCi/l | Original Result<br>pCi/l | MS Result<br>pCi/l | MSD Result<br>pCi/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | MS RER | RPD Limits<br>% |
|----------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|--------|-----------------|
| Radium-226     | 20.0                  | 0.223                    | 22.2               | 22.7                | 110          | 113           | 1        | 75.0-125         |              |               | 2.54     |        | 20              |
| (T) Barium-133 |                       | 88.1                     |                    |                     | 81.2         | 85.0          |          |                  |              |               |          |        |                 |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4227795-1 06/09/25 17:36

| Analyte                          | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|----------------------------------|-------------------|--------------|----------------|----------------|
| Hardness (colorimetric) as CaCO3 | U                 |              | 10600          | 30000          |

Laboratory Control Sample (LCS)

(LCS) R4227795-2 06/09/25 17:37

| Analyte                          | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| Hardness (colorimetric) as CaCO3 | 200000               | 206000             | 103           | 85.0-115         |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/09/25 17:54 • (MS) R4227795-3 06/09/25 17:55 • (MSD) R4227795-4 06/09/25 17:56

| Analyte                          | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Hardness (colorimetric) as CaCO3 | 200000               | 263000                  | 443000            | 439000             | 90.0         | 88.0          | 1        | 80.0-120         | E            | E             | 0.907    | 20              |

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/09/25 18:06 • (MS) R4227795-5 06/09/25 18:08 • (MSD) R4227795-6 06/09/25 18:09

| Analyte                          | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Hardness (colorimetric) as CaCO3 | 200000               | 148000                  | 349000            | 355000             | 101          | 104           | 1        | 80.0-120         |              |               | 1.70     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227098-2 06/07/25 13:26

|                        | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------------|-----------|--------------|--------|--------|
| Analyte                | ug/l      |              | ug/l   | ug/l   |
| Alkalinity             | U         |              | 4750   | 20000  |
| Alkalinity,Bicarbonate | U         |              | 4750   | 20000  |
| Alkalinity,Carbonate   | U         |              | 4750   | 20000  |

Sample Narrative:  
BLANK: Endpoint pH 4.5

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/07/25 13:47 • (DUP) R4227098-3 06/07/25 13:50

|                        | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                | ug/l            | ug/l       |          | %       |               | %              |
| Alkalinity             | 115000          | 118000     | 1        | 2.25    |               | 20             |
| Alkalinity,Bicarbonate | 115000          | 118000     | 1        | 2.25    |               | 20             |
| Alkalinity,Carbonate   | ND              | ND         | 1        | 0.000   |               | 20             |

Sample Narrative:  
OS: Endpoint pH 4.5 HEADSPACE  
DUP: Endpoint pH 4.5

L1867318-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-05 06/07/25 16:02 • (DUP) R4227098-4 06/07/25 16:07

|                        | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                | ug/l            | ug/l       |          | %       |               | %              |
| Alkalinity             | 77800           | 78900      | 1        | 1.38    |               | 20             |
| Alkalinity,Bicarbonate | 77800           | 78900      | 1        | 1.38    |               | 20             |
| Alkalinity,Carbonate   | ND              | ND         | 1        | 0.000   |               | 20             |

Sample Narrative:  
OS: Endpoint pH 4.5 HEADSPACE  
DUP: Endpoint pH 4.5

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4227098-1 06/07/25 13:22

| Analyte    | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|------------|----------------------|--------------------|---------------|------------------|----------------------|
| Alkalinity | 100000               | 103000             | 103           | 90.0-110         |                      |

Sample Narrative:

LCS: Endpoint pH 4.5

<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) R4227220-1 06/07/25 17:12

|                | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------|-----------|--------------|--------|--------|
| Analyte        | ug/l      |              | ug/l   | ug/l   |
| Bromide        | U         |              | 680    | 1000   |
| Chloride       | U         |              | 547    | 1000   |
| Fluoride       | U         |              | 76.1   | 150    |
| Nitrate as (N) | U         |              | 88.4   | 100    |
| Nitrite as (N) | U         |              | 79.4   | 100    |
| Sulfate        | U         |              | 637    | 5000   |

L1867302-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-03 06/07/25 18:06 • (DUP) R4227220-3 06/07/25 18:19

|                | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte        | ug/l            | ug/l       |          | %       |               | %              |
| Bromide        | ND              | ND         | 1        | 0.000   |               | 15             |
| Chloride       | 13100           | 12800      | 1        | 2.33    |               | 15             |
| Fluoride       | 331             | 318        | 1        | 4.19    |               | 15             |
| Nitrate as (N) | 390             | 362        | 1        | 7.31    |               | 15             |
| Nitrite as (N) | ND              | ND         | 1        | 0.000   |               | 15             |

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/07/25 21:28 • (DUP) R4227220-5 06/07/25 21:55

|                | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte        | ug/l            | ug/l       |          | %       |               | %              |
| Bromide        | ND              | ND         | 1        | 0.000   |               | 15             |
| Chloride       | 22500           | 22000      | 1        | 2.19    |               | 15             |
| Fluoride       | 393             | 386        | 1        | 1.62    |               | 15             |
| Nitrate as (N) | 490             | 484        | 1        | 1.19    |               | 15             |
| Nitrite as (N) | ND              | ND         | 1        | 0.000   |               | 15             |

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/07/25 21:41 • (DUP) R4227220-6 06/07/25 22:08

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | ug/l            | ug/l       |          | %       |               | %              |
| Sulfate | 212000          | 251000     | 5        | 16.8    | J3            | 15             |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Laboratory Control Sample (LCS)

(LCS) R4227220-2 06/07/25 17:25

| Analyte        | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|----------------|----------------------|--------------------|---------------|------------------|----------------------|
| Bromide        | 40000                | 42700              | 107           | 90.0-110         |                      |
| Chloride       | 40000                | 42200              | 106           | 90.0-110         |                      |
| Fluoride       | 8000                 | 8740               | 109           | 90.0-110         |                      |
| Nitrate as (N) | 8000                 | 8730               | 109           | 90.0-110         |                      |
| Nitrite as (N) | 8000                 | 8750               | 109           | 90.0-110         |                      |
| Sulfate        | 40000                | 43200              | 108           | 90.0-110         |                      |

L1867302-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867302-03 06/07/25 18:06 • (MS) R4227220-4 06/07/25 18:33

| Analyte        | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MS Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> |
|----------------|----------------------|-------------------------|-------------------|--------------|----------|------------------|---------------------|
| Bromide        | 40000                | ND                      | 38100             | 95.3         | 1        | 90.0-110         |                     |
| Chloride       | 40000                | 13100                   | 48200             | 87.6         | 1        | 90.0-110         | J6                  |
| Fluoride       | 8000                 | 331                     | 8210              | 98.5         | 1        | 90.0-110         |                     |
| Nitrate as (N) | 8000                 | 390                     | 8240              | 98.1         | 1        | 90.0-110         |                     |
| Nitrite as (N) | 8000                 | ND                      | 7990              | 99.9         | 1        | 90.0-110         |                     |
| Sulfate        | 40000                | 110000                  | 120000            | 23.6         | 1        | 90.0-110         | E J6                |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 21:28 • (MS) R4227220-7 06/07/25 22:22 • (MSD) R4227220-8 06/07/25 22:37

| Analyte        | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Bromide        | 40000                | ND                      | 36000             | 36400              | 90.0         | 91.1          | 1        | 90.0-110         |                     |                      | 1.19     | 15              |
| Chloride       | 40000                | 22500                   | 53700             | 54300              | 78.0         | 79.6          | 1        | 90.0-110         | J6                  | J6                   | 1.19     | 15              |
| Fluoride       | 8000                 | 393                     | 7980              | 8070               | 94.8         | 95.9          | 1        | 90.0-110         |                     |                      | 1.07     | 15              |
| Nitrate as (N) | 8000                 | 490                     | 8080              | 8170               | 94.9         | 96.0          | 1        | 90.0-110         |                     |                      | 1.13     | 15              |
| Nitrite as (N) | 8000                 | ND                      | 7730              | 7830               | 96.6         | 97.9          | 1        | 90.0-110         |                     |                      | 1.33     | 15              |
| Sulfate        | 40000                | 239000                  | 210000            | 211000             | 0.000        | 0.000         | 1        | 90.0-110         | E V                 | E V                  | 0.352    | 15              |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Method Blank (MB)

(MB) R4227402-1 06/08/25 18:19

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | ug/l      |              | ug/l   | ug/l   |
| Ammonia Nitrogen | U         |              | 53.9   | 100    |

<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

L1867309-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-15 06/08/25 18:39 • (DUP) R4227402-3 06/08/25 18:40

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Ammonia Nitrogen | ND              | ND         | 1        | 0.000   |               | 10             |

L1867318-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-05 06/08/25 18:52 • (DUP) R4227402-6 06/08/25 18:58

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Ammonia Nitrogen | ND              | ND         | 1        | 0.000   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R4227402-2 06/08/25 18:21

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | ug/l         | ug/l       | %        | %           |               |
| Ammonia Nitrogen | 7500         | 7340       | 97.8     | 90.0-110    |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 18:39 • (MS) R4227402-4 06/08/25 18:42 • (MSD) R4227402-5 06/08/25 18:43

|                  | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte          | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Ammonia Nitrogen | 5000         | ND              | 5070      | 5400       | 101     | 108      | 1        | 90.0-110    |              |               | 6.30 | 10         |

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/08/25 18:52 • (MS) R4227402-7 06/08/25 19:00 • (MSD) R4227402-8 06/08/25 19:01

|                  | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte          | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Ammonia Nitrogen | 5000         | ND              | 4920      | 5040       | 98.3    | 101      | 1        | 90.0-110    |              |               | 2.39 | 10         |

Method Blank (MB)

(MB) R4229705-1 06/12/25 23:39

|                        | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------------|-----------|--------------|--------|--------|
| Analyte                | ug/l      |              | ug/l   | ug/l   |
| Kjeldahl Nitrogen, TKN | U         |              | 131    | 250    |

<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

L1868373-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1868373-13 06/13/25 00:05 • (DUP) R4229705-6 06/13/25 00:07

|                        | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                | ug/l            | ug/l       |          | %       |               | %              |
| Kjeldahl Nitrogen, TKN | 751             | 718        | 1        | 4.45    |               | 20             |

L1868373-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1868373-15 06/13/25 00:09 • (DUP) R4229705-7 06/13/25 00:11

|                        | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                | ug/l            | ug/l       |          | %       |               | %              |
| Kjeldahl Nitrogen, TKN | 861             | 1020       | 1        | 17.1    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R4229705-2 06/12/25 23:41

|                        | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------------|--------------|------------|----------|-------------|---------------|
| Analyte                | ug/l         | ug/l       | %        | %           |               |
| Kjeldahl Nitrogen, TKN | 15600        | 16000      | 103      | 90.0-110    |               |

L1865467-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1865467-01 06/12/25 23:42 • (MS) R4229705-3 06/12/25 23:44

|                        | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|------------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte                | ug/l         | ug/l            | ug/l      | %       |          | %           |              |
| Kjeldahl Nitrogen, TKN | 5000         | 10100           | 14900     | 96.3    | 1        | 90.0-110    |              |

L1865491-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1865491-01 06/12/25 23:46 • (MS) R4229705-4 06/12/25 23:48 • (MSD) R4229705-5 06/12/25 23:50

|                        | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte                | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Kjeldahl Nitrogen, TKN | 5000         | 10600           | 16100     | 16800      | 109     | 124      | 1        | 90.0-110    |              | J5            | 4.50 | 20         |

Method Blank (MB)

(MB) R4229212-2 06/11/25 16:46

|                  | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Analyte          | ug/l      |              | ug/l   | ug/l   |
| Phosphorus,Total | U         |              | 64.2   | 100    |

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/11/25 16:50 • (DUP) R4229212-6 06/11/25 16:52

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Phosphorus,Total | 828             | 951        | 1        | 13.8    |               | 20             |

L1867302-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-03 06/11/25 16:54 • (DUP) R4229212-8 06/11/25 16:56

|                  | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte          | ug/l            | ug/l       |          | %       |               | %              |
| Phosphorus,Total | 129             | 141        | 1        | 8.46    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R4229212-4 06/11/25 16:48

|                  | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Analyte          | ug/l         | ug/l       | %        | %           |               |
| Phosphorus,Total | 1700         | 1760       | 104      | 86.0-112    |               |

L1867303-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1867303-01 06/11/25 16:58 • (MS) R4229212-10 06/11/25 17:00

|                  | Spike Amount | Original Result | MS Result | MS Rec. | Dilution | Rec. Limits | MS Qualifier |
|------------------|--------------|-----------------|-----------|---------|----------|-------------|--------------|
| Analyte          | ug/l         | ug/l            | ug/l      | %       |          | %           |              |
| Phosphorus,Total | 2500         | 573             | 206       | 0.000   | 1        | 86.0-112    | J6           |

Sample Narrative:

OS: Spike failed due to matrix.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/11/25 17:21 • (MS) R4229212-12 06/11/25 17:23 • (MSD) R4229212-3 06/11/25 17:25

| Analyte          | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Phosphorus,Total | 2500                 | 849                     | 2970              | 2980               | 84.7         | 85.1          | 1        | 86.0-112         | J6           | J6            | 0.286    | 20              |

<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) R4227202-2 06/07/25 13:25

|                            | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------------|-----------|--------------|--------|--------|
| Analyte                    | ug/l      |              | ug/l   | ug/l   |
| TOC (Total Organic Carbon) | U         |              | 495    | 1000   |

L1867302-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-03 06/07/25 15:11 • (DUP) R4227202-5 06/07/25 15:33

|                            | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                    | ug/l            | ug/l       |          | %       |               | %              |
| TOC (Total Organic Carbon) | 4910            | 4830       | 1        | 1.64    |               | 20             |

L1867309-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1867309-17 06/07/25 21:13 • (DUP) R4227202-8 06/07/25 21:36

|                            | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte                    | ug/l            | ug/l       |          | %       |               | %              |
| TOC (Total Organic Carbon) | 5100            | 5060       | 1        | 0.748   |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R4227202-1 06/07/25 13:07

|                            | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------------|--------------|------------|----------|-------------|---------------|
| Analyte                    | ug/l         | ug/l       | %        | %           |               |
| TOC (Total Organic Carbon) | 25000        | 23900      | 95.6     | 80.0-120    |               |

L1867302-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867302-01 06/07/25 13:53 • (MS) R4227202-3 06/07/25 14:21 • (MSD) R4227202-4 06/07/25 14:48

|                            | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|----------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte                    | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %     | %          |
| TOC (Total Organic Carbon) | 25000        | 18000           | 42100     | 42000      | 96.5    | 95.9     | 1        | 75.0-125    |              |               | 0.357 | 20         |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 19:59 • (MS) R4227202-6 06/07/25 20:25 • (MSD) R4227202-7 06/07/25 20:50

|                            | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD    | RPD Limits |
|----------------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|--------|------------|
| Analyte                    | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %      | %          |
| TOC (Total Organic Carbon) | 25000        | 7100            | 31300     | 31200      | 96.6    | 96.5     | 1        | 75.0-125    |              |               | 0.0960 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227069-1 06/07/25 15:33

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | ug/l      |              | ug/l   | ug/l   |
| MBAS    | U         |              | 19.0   | 100    |

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/07/25 15:35 • (DUP) R4227069-3 06/07/25 15:35

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | ug/l            | ug/l       |          | %       |               | %              |
| MBAS    | 106             | 113        | 1        | 6.39    |               | 20             |

L1867318-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-01 06/07/25 15:56 • (DUP) R4227069-6 06/07/25 15:56

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | ug/l            | ug/l       |          | %       |               | %              |
| MBAS    | ND              | ND         | 1        | 9.88    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R4227069-2 06/07/25 15:34

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | ug/l         | ug/l       | %        | %           |               |
| MBAS    | 1000         | 1050       | 105      | 85.0-115    |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 15:40 • (MS) R4227069-4 06/07/25 15:41 • (MSD) R4227069-5 06/07/25 15:41

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| MBAS    | 1000         | ND              | 1010      | 1040       | 97.0    | 99.5     | 1        | 85.0-115    |              |               | 2.44 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227899-1 06/09/25 21:47

|                     | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------------------|-----------|--------------|--------|--------|
| Analyte             | ug/l      |              | ug/l   | ug/l   |
| Hexavalent Chromium | U         |              | 0.100  | 0.500  |

L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/09/25 22:13 • (DUP) R4227899-3 06/09/25 22:26

|                     | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte             | ug/l            | ug/l       |          | %       |               | %              |
| Hexavalent Chromium | ND              | ND         | 1        | 0.000   |               | 20             |

L1867318-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-01 06/10/25 02:17 • (DUP) R4227899-6 06/10/25 02:56

|                     | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte             | ug/l            | ug/l       |          | %       |               | %              |
| Hexavalent Chromium | ND              | ND         | 1        | 0.000   |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R4227899-2 06/09/25 22:00

|                     | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------------------|--------------|------------|----------|-------------|---------------|
| Analyte             | ug/l         | ug/l       | %        | %           |               |
| Hexavalent Chromium | 2.00         | 2.08       | 104      | 90.0-110    |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/10/25 01:00 • (MS) R4227899-4 06/10/25 01:13 • (MSD) R4227899-5 06/10/25 01:26

|                     | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|---------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte             | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %     | %          |
| Hexavalent Chromium | 50.0         | ND              | 49.3      | 49.6       | 98.5    | 99.3     | 1        | 90.0-110    |              |               | 0.753 | 20         |

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/10/25 03:22 • (MS) R4227899-7 06/10/25 03:35 • (MSD) R4227899-8 06/10/25 03:48

|                     | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte             | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Hexavalent Chromium | 50.0         | ND              | 49.3      | 49.9       | 98.6    | 99.9     | 1        | 90.0-110    |              |               | 1.33 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L1867302-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1867302-01 06/07/25 16:15 • (DUP) R4227102-2 06/07/25 16:15

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su              | su         |          | %       |               | %              |
| pH      | 8.00            | 8.02       | 1        | 0.250   |               | 1              |

Sample Narrative:

OS: 8 at 22.7C

DUP: 8.02 at 22.7C



L1867318-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1867318-11 06/07/25 16:15 • (DUP) R4227102-3 06/07/25 16:15

|         | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|---------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | su              | su         |          | %       |               | %              |
| pH      | 8.15            | 8.15       | 1        | 0.000   |               | 1              |

Sample Narrative:

OS: 8.15 at 23C

DUP: 8.15 at 22.9C

Laboratory Control Sample (LCS)

(LCS) R4227102-1 06/07/25 16:15

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | su           | su         | %        | %           |               |
| pH      | 10.0         | 10.0       | 100      | 99.0-101    |               |

Sample Narrative:

LCS: 10 at 23.3C

Method Blank (MB)

(MB) R4227134-1 06/07/25 18:00

|         | MB Result | MB Qualifier | MB MDL | MB RDL |
|---------|-----------|--------------|--------|--------|
| Analyte | ug/l      |              | ug/l   | ug/l   |
| Mercury | 0.112     | ⬇            | 0.0700 | 0.200  |

Laboratory Control Sample (LCS)

(LCS) R4227134-2 06/07/25 18:02

|         | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---------|--------------|------------|----------|-------------|---------------|
| Analyte | ug/l         | ug/l       | %        | %           |               |
| Mercury | 3.00         | 2.79       | 93.1     | 80.0-120    |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 18:10 • (MS) R4227134-4 06/07/25 18:15 • (MSD) R4227134-5 06/07/25 18:18

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Mercury | 3.00         | ND              | 3.25      | 3.20       | 108     | 107      | 1        | 75.0-125    |              |               | 1.57 | 20         |

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/07/25 18:21 • (MS) R4227134-6 06/07/25 18:23 • (MSD) R4227134-7 06/07/25 18:26

|         | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|---------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte | ug/l         | ug/l            | ug/l      | ug/l       | %       | %        |          | %           |              |               | %    | %          |
| Mercury | 3.00         | ND              | 3.12      | 3.23       | 104     | 108      | 1        | 75.0-125    |              |               | 3.22 | 20         |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4227322-1 06/08/25 15:26

| Analyte             | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|---------------------|-------------------|--------------|----------------|----------------|
| Aluminum,Dissolved  | U                 |              | 16.0           | 100            |
| Arsenic,Dissolved   | U                 |              | 0.120          | 2.00           |
| Cadmium,Dissolved   | U                 |              | 0.120          | 1.00           |
| Chromium,Dissolved  | U                 |              | 0.900          | 2.00           |
| Copper,Dissolved    | U                 |              | 0.700          | 5.00           |
| Lead,Dissolved      | U                 |              | 0.500          | 2.00           |
| Manganese,Dissolved | U                 |              | 0.700          | 5.00           |
| Nickel,Dissolved    | 1.04              | U            | 0.500          | 2.00           |
| Selenium,Dissolved  | U                 |              | 0.250          | 2.00           |
| Silver,Dissolved    | U                 |              | 0.110          | 2.00           |
| Zinc,Dissolved      | U                 |              | 4.00           | 25.0           |

<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)

(LCS) R4227322-2 06/08/25 15:29

| Analyte             | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------|----------------------|--------------------|---------------|------------------|---------------|
| Aluminum,Dissolved  | 1000                 | 972                | 97.2          | 80.0-120         |               |
| Arsenic,Dissolved   | 50.0                 | 48.7               | 97.4          | 80.0-120         |               |
| Cadmium,Dissolved   | 50.0                 | 52.7               | 105           | 80.0-120         |               |
| Chromium,Dissolved  | 50.0                 | 50.0               | 100           | 80.0-120         |               |
| Copper,Dissolved    | 50.0                 | 47.4               | 94.7          | 80.0-120         |               |
| Lead,Dissolved      | 50.0                 | 48.5               | 96.9          | 80.0-120         |               |
| Manganese,Dissolved | 50.0                 | 49.1               | 98.2          | 80.0-120         |               |
| Nickel,Dissolved    | 50.0                 | 51.5               | 103           | 80.0-120         |               |
| Selenium,Dissolved  | 50.0                 | 48.7               | 97.5          | 80.0-120         |               |
| Silver,Dissolved    | 50.0                 | 49.5               | 99.1          | 80.0-120         |               |
| Zinc,Dissolved      | 50.0                 | 50.6               | 101           | 80.0-120         |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 15:35 • (MS) R4227322-4 06/08/25 15:41 • (MSD) R4227322-5 06/08/25 15:44

| Analyte            | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Aluminum,Dissolved | 1000                 | ND                      | 982               | 999                | 98.2         | 99.9          | 1        | 75.0-125         |              |               | 1.74     | 20              |
| Arsenic,Dissolved  | 50.0                 | ND                      | 51.0              | 51.3               | 98.6         | 99.1          | 1        | 75.0-125         |              |               | 0.560    | 20              |
| Cadmium,Dissolved  | 50.0                 | ND                      | 53.6              | 53.9               | 107          | 108           | 1        | 75.0-125         |              |               | 0.596    | 20              |
| Chromium,Dissolved | 50.0                 | ND                      | 50.1              | 50.5               | 100          | 101           | 1        | 75.0-125         |              |               | 0.808    | 20              |
| Copper,Dissolved   | 50.0                 | ND                      | 52.8              | 53.4               | 103          | 104           | 1        | 75.0-125         |              |               | 1.15     | 20              |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 15:35 • (MS) R4227322-4 06/08/25 15:41 • (MSD) R4227322-5 06/08/25 15:44

| Analyte             | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Lead,Dissolved      | 50.0                 | ND                      | 49.1              | 48.6               | 98.2         | 97.1          | 1        | 75.0-125         |              |               | 1.07     | 20              |
| Manganese,Dissolved | 50.0                 | 31.4                    | 80.1              | 80.8               | 97.4         | 98.8          | 1        | 75.0-125         |              |               | 0.865    | 20              |
| Nickel,Dissolved    | 50.0                 | ND                      | 51.5              | 52.3               | 99.7         | 101           | 1        | 75.0-125         |              |               | 1.57     | 20              |
| Selenium,Dissolved  | 50.0                 | ND                      | 50.5              | 50.9               | 98.8         | 99.6          | 1        | 75.0-125         |              |               | 0.812    | 20              |
| Silver,Dissolved    | 50.0                 | ND                      | 50.6              | 50.9               | 101          | 102           | 1        | 75.0-125         |              |               | 0.683    | 20              |
| Zinc,Dissolved      | 50.0                 | ND                      | 49.7              | 50.8               | 99.5         | 102           | 1        | 75.0-125         |              |               | 2.16     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227337-1 06/08/25 17:26

| Analyte   | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------|-------------------|--------------|----------------|----------------|
| Aluminum  | U                 |              | 16.0           | 100            |
| Antimony  | U                 |              | 0.310          | 4.00           |
| Arsenic   | U                 |              | 0.120          | 2.00           |
| Barium    | U                 |              | 0.500          | 2.00           |
| Beryllium | U                 |              | 0.200          | 2.00           |
| Boron     | U                 |              | 9.03           | 30.0           |
| Cadmium   | U                 |              | 0.120          | 1.00           |
| Calcium   | U                 |              | 92.5           | 1000           |
| Chromium  | U                 |              | 0.900          | 2.00           |
| Copper    | 0.888             | U            | 0.700          | 5.00           |
| Cobalt    | U                 |              | 0.100          | 2.00           |
| Iron      | U                 |              | 22.6           | 100            |
| Lead      | U                 |              | 0.500          | 2.00           |
| Magnesium | U                 |              | 82.7           | 1000           |
| Manganese | U                 |              | 0.700          | 5.00           |
| Nickel    | U                 |              | 0.500          | 2.00           |
| Potassium | U                 |              | 96.5           | 2000           |
| Selenium  | U                 |              | 0.250          | 2.00           |
| Silver    | U                 |              | 0.110          | 2.00           |
| Sodium    | U                 |              | 142            | 2000           |
| Thallium  | U                 |              | 0.130          | 2.00           |
| Vanadium  | U                 |              | 0.520          | 5.00           |
| Zinc      | U                 |              | 4.00           | 25.0           |

<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)

(LCS) R4227337-2 06/08/25 17:29

| Analyte   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|-----------|----------------------|--------------------|---------------|------------------|---------------|
| Aluminum  | 1000                 | 1040               | 104           | 80.0-120         |               |
| Antimony  | 50.0                 | 50.4               | 101           | 80.0-120         |               |
| Arsenic   | 50.0                 | 51.2               | 102           | 80.0-120         |               |
| Barium    | 50.0                 | 47.5               | 94.9          | 80.0-120         |               |
| Beryllium | 50.0                 | 51.7               | 103           | 80.0-120         |               |
| Boron     | 50.0                 | 54.4               | 109           | 80.0-120         |               |
| Cadmium   | 50.0                 | 56.2               | 112           | 80.0-120         |               |
| Calcium   | 5000                 | 5230               | 105           | 80.0-120         |               |
| Chromium  | 50.0                 | 53.3               | 107           | 80.0-120         |               |
| Copper    | 50.0                 | 53.6               | 107           | 80.0-120         |               |

Laboratory Control Sample (LCS)

(LCS) R4227337-2 06/08/25 17:29

| Analyte   | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|-----------|----------------------|--------------------|---------------|------------------|----------------------|
| Cobalt    | 50.0                 | 54.8               | 110           | 80.0-120         |                      |
| Iron      | 1000                 | 1050               | 105           | 80.0-120         |                      |
| Lead      | 50.0                 | 51.2               | 102           | 80.0-120         |                      |
| Magnesium | 5000                 | 5280               | 106           | 80.0-120         |                      |
| Manganese | 50.0                 | 52.7               | 105           | 80.0-120         |                      |
| Nickel    | 50.0                 | 54.6               | 109           | 80.0-120         |                      |
| Potassium | 5000                 | 4980               | 99.6          | 80.0-120         |                      |
| Selenium  | 50.0                 | 51.4               | 103           | 80.0-120         |                      |
| Silver    | 50.0                 | 52.5               | 105           | 80.0-120         |                      |
| Sodium    | 5000                 | 5260               | 105           | 80.0-120         |                      |
| Thallium  | 50.0                 | 51.3               | 103           | 80.0-120         |                      |
| Vanadium  | 50.0                 | 52.7               | 105           | 80.0-120         |                      |
| Zinc      | 50.0                 | 52.7               | 105           | 80.0-120         |                      |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 17:32 • (MS) R4227337-4 06/08/25 17:38 • (MSD) R4227337-5 06/08/25 17:41

| Analyte   | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|-----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Aluminum  | 1000                 | 1190                    | 2350              | 2960               | 116          | 177           | 1        | 75.0-125         |                     | J3 J5                | 22.9     | 20              |
| Antimony  | 50.0                 | ND                      | 50.5              | 51.2               | 101          | 102           | 1        | 75.0-125         |                     |                      | 1.35     | 20              |
| Arsenic   | 50.0                 | 2.35                    | 54.5              | 56.2               | 104          | 108           | 1        | 75.0-125         |                     |                      | 3.02     | 20              |
| Barium    | 50.0                 | 57.7                    | 108               | 115                | 100          | 114           | 1        | 75.0-125         |                     |                      | 6.15     | 20              |
| Beryllium | 50.0                 | ND                      | 52.9              | 55.2               | 106          | 110           | 1        | 75.0-125         |                     |                      | 4.31     | 20              |
| Boron     | 50.0                 | 111                     | 166               | 174                | 108          | 125           | 1        | 75.0-125         |                     |                      | 4.92     | 20              |
| Cadmium   | 50.0                 | ND                      | 56.6              | 59.3               | 113          | 119           | 1        | 75.0-125         |                     |                      | 4.64     | 20              |
| Calcium   | 5000                 | 62100                   | 67400             | 69100              | 105          | 141           | 1        | 75.0-125         |                     | V                    | 2.60     | 20              |
| Chromium  | 50.0                 | ND                      | 54.2              | 56.9               | 106          | 112           | 1        | 75.0-125         |                     |                      | 4.91     | 20              |
| Copper    | 50.0                 | ND                      | 54.5              | 58.8               | 100          | 109           | 1        | 75.0-125         |                     |                      | 7.58     | 20              |
| Cobalt    | 50.0                 | ND                      | 55.4              | 57.8               | 109          | 113           | 1        | 75.0-125         |                     |                      | 4.17     | 20              |
| Iron      | 1000                 | 832                     | 2060              | 2560               | 123          | 173           | 1        | 75.0-125         |                     | J3 J5                | 21.5     | 20              |
| Lead      | 50.0                 | 2.67                    | 54.5              | 56.4               | 104          | 107           | 1        | 75.0-125         |                     |                      | 3.50     | 20              |
| Magnesium | 5000                 | 31000                   | 36700             | 38000              | 113          | 141           | 1        | 75.0-125         |                     | V                    | 3.68     | 20              |
| Manganese | 50.0                 | 108                     | 160               | 169                | 105          | 123           | 1        | 75.0-125         |                     |                      | 5.47     | 20              |
| Nickel    | 50.0                 | 2.40                    | 56.3              | 58.7               | 108          | 113           | 1        | 75.0-125         |                     |                      | 4.07     | 20              |
| Potassium | 5000                 | 6050                    | 11200             | 11800              | 103          | 114           | 1        | 75.0-125         |                     |                      | 4.87     | 20              |
| Selenium  | 50.0                 | ND                      | 52.2              | 54.5               | 102          | 107           | 1        | 75.0-125         |                     |                      | 4.33     | 20              |
| Silver    | 50.0                 | ND                      | 53.2              | 55.3               | 106          | 111           | 1        | 75.0-125         |                     |                      | 3.91     | 20              |
| Sodium    | 5000                 | 51700                   | 56600             | 58500              | 97.2         | 136           | 1        | 75.0-125         |                     | V                    | 3.37     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 17:32 • (MS) R4227337-4 06/08/25 17:38 • (MSD) R4227337-5 06/08/25 17:41

| Analyte  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Thallium | 50.0                 | ND                      | 51.9              | 52.9               | 104          | 106           | 1        | 75.0-125         |              |               | 1.89     | 20              |
| Vanadium | 50.0                 | 5.88                    | 59.5              | 62.4               | 107          | 113           | 1        | 75.0-125         |              |               | 4.76     | 20              |
| Zinc     | 50.0                 | ND                      | 63.8              | 68.5               | 105          | 114           | 1        | 75.0-125         |              |               | 7.09     | 20              |

<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) R4227159-2 06/07/25 13:09

| Analyte                            | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|------------------------------------|-------------------|--------------|----------------|----------------|
| TPH (GC/FID) Low Fraction          | U                 |              | 59.4           | 100            |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 91.1              |              |                | 78.0-120       |

Laboratory Control Sample (LCS)

(LCS) R4227159-1 06/07/25 10:43

| Analyte                            | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|----------------------|--------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5000                 | 4300               | 86.0          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                      |                    | 96.9          | 78.0-120         |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 16:37 • (MS) R4227159-3 06/07/25 21:15 • (MSD) R4227159-4 06/07/25 21:38

| Analyte                            | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5000                 | ND                      | 1630              | 1090               | 32.6         | 21.8          | 1        | 10.0-160         |              | J3            | 39.7     | 22              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 94.3         | 93.5          |          | 78.0-120         |              |               |          |                 |

L1867318-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867318-05 06/07/25 18:56 • (MS) R4227159-5 06/07/25 22:02 • (MSD) R4227159-6 06/07/25 22:25

| Analyte                            | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5000                 | ND                      | 1040              | 1410               | 20.8         | 28.2          | 1        | 10.0-160         |              | J3            | 30.2     | 22              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                      |                         |                   |                    | 93.5         | 93.8          |          | 78.0-120         |              |               |          |                 |

1  
Cp

2  
Tc

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Ss

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Sr

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Qc

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Sc



Method Blank (MB)

(MB) R4227156-4 06/07/25 12:39

| Analyte                     | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acetone                     | U                 |              | 11.3           | 50.0           |
| Acrolein                    | U                 |              | 2.54           | 50.0           |
| Acrylonitrile               | U                 |              | 0.671          | 10.0           |
| Benzene                     | U                 |              | 0.0941         | 1.00           |
| Bromobenzene                | U                 |              | 0.118          | 1.00           |
| Bromodichloromethane        | U                 |              | 0.136          | 1.00           |
| Bromoform                   | U                 |              | 0.129          | 1.00           |
| Bromomethane                | U                 |              | 0.605          | 5.00           |
| n-Butylbenzene              | U                 |              | 0.157          | 1.00           |
| sec-Butylbenzene            | U                 |              | 0.125          | 1.00           |
| tert-Butylbenzene           | U                 |              | 0.127          | 1.00           |
| Carbon tetrachloride        | U                 |              | 0.128          | 1.00           |
| Chlorobenzene               | U                 |              | 0.116          | 1.00           |
| Chlorodibromomethane        | U                 |              | 0.140          | 1.00           |
| Chloroethane                | U                 |              | 0.192          | 5.00           |
| Chloroform                  | 0.447             | U            | 0.111          | 5.00           |
| Chloromethane               | U                 |              | 0.960          | 2.50           |
| 2-Chlorotoluene             | U                 |              | 0.106          | 1.00           |
| 4-Chlorotoluene             | U                 |              | 0.114          | 1.00           |
| 1,2-Dibromo-3-Chloropropane | U                 |              | 0.276          | 5.00           |
| 1,2-Dibromoethane           | U                 |              | 0.126          | 1.00           |
| Dibromomethane              | U                 |              | 0.122          | 1.00           |
| 1,2-Dichlorobenzene         | U                 |              | 0.107          | 1.00           |
| 1,3-Dichlorobenzene         | U                 |              | 0.110          | 1.00           |
| 1,4-Dichlorobenzene         | U                 |              | 0.120          | 1.00           |
| Dichlorodifluoromethane     | U                 |              | 0.374          | 5.00           |
| 1,1-Dichloroethane          | U                 |              | 0.100          | 1.00           |
| 1,2-Dichloroethane          | U                 |              | 0.0819         | 1.00           |
| 1,1-Dichloroethene          | U                 |              | 0.188          | 1.00           |
| cis-1,2-Dichloroethene      | U                 |              | 0.126          | 1.00           |
| trans-1,2-Dichloroethene    | U                 |              | 0.149          | 1.00           |
| 1,2-Dichloropropane         | U                 |              | 0.149          | 1.00           |
| 1,1-Dichloropropene         | U                 |              | 0.142          | 1.00           |
| 1,3-Dichloropropane         | U                 |              | 0.110          | 1.00           |
| cis-1,3-Dichloropropene     | U                 |              | 0.111          | 1.00           |
| trans-1,3-Dichloropropene   | U                 |              | 0.118          | 1.00           |
| 2,2-Dichloropropane         | U                 |              | 0.161          | 1.00           |
| Di-isopropyl ether          | U                 |              | 0.105          | 1.00           |
| Ethylbenzene                | U                 |              | 0.137          | 1.00           |
| Hexachloro-1,3-butadiene    | U                 |              | 0.337          | 1.00           |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227156-4 06/07/25 12:39

| Analyte                        | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|--------------------------------|-------------------|--------------|----------------|----------------|
| Isopropylbenzene               | U                 |              | 0.105          | 1.00           |
| p-Isopropyltoluene             | U                 |              | 0.120          | 1.00           |
| 2-Butanone (MEK)               | U                 |              | 1.19           | 10.0           |
| Methylene Chloride             | U                 |              | 0.430          | 5.00           |
| 4-Methyl-2-pentanone (MIBK)    | U                 |              | 0.478          | 10.0           |
| Methyl tert-butyl ether        | U                 |              | 0.101          | 1.00           |
| Naphthalene                    | 1.59              | U            | 1.00           | 5.00           |
| n-Propylbenzene                | U                 |              | 0.0993         | 1.00           |
| Styrene                        | U                 |              | 0.118          | 1.00           |
| 1,1,1,2-Tetrachloroethane      | U                 |              | 0.147          | 1.00           |
| 1,1,2,2-Tetrachloroethane      | U                 |              | 0.133          | 1.00           |
| 1,1,2-Trichlorotrifluoroethane | U                 |              | 0.180          | 1.00           |
| Tetrachloroethene              | U                 |              | 0.300          | 1.00           |
| Toluene                        | U                 |              | 0.278          | 1.00           |
| 1,2,3-Trichlorobenzene         | U                 |              | 0.230          | 1.00           |
| 1,2,4-Trichlorobenzene         | U                 |              | 0.481          | 1.00           |
| 1,1,1-Trichloroethane          | U                 |              | 0.149          | 1.00           |
| 1,1,2-Trichloroethane          | U                 |              | 0.158          | 1.00           |
| Trichloroethene                | U                 |              | 0.190          | 1.00           |
| Trichlorofluoromethane         | U                 |              | 0.160          | 5.00           |
| 1,2,3-Trichloropropane         | U                 |              | 0.237          | 2.50           |
| 1,2,4-Trimethylbenzene         | U                 |              | 0.322          | 1.00           |
| 1,2,3-Trimethylbenzene         | U                 |              | 0.104          | 1.00           |
| 1,3,5-Trimethylbenzene         | U                 |              | 0.104          | 1.00           |
| Vinyl chloride                 | U                 |              | 0.234          | 1.00           |
| Xylenes, Total                 | 0.629             | U            | 0.174          | 3.00           |
| (S) Toluene-d8                 | 103               |              |                | 80.0-120       |
| (S) 4-Bromofluorobenzene       | 99.1              |              |                | 77.0-126       |
| (S) 1,2-Dichloroethane-d4      | 105               |              |                | 70.0-130       |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4227156-1 06/07/25 10:55 • (LCSD) R4227156-2 06/07/25 11:16

| 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                 | 45.8               | 47.8                | 183           | 191            | 19.0-160         | J4            | J4             | 4.27     | 27              |
| Acrolein      | 25.0                 | 21.2               | 21.9                | 84.8          | 87.6           | 10.0-160         |               |                | 3.25     | 26              |
| Acrylonitrile | 25.0                 | 26.1               | 26.6                | 104           | 106            | 55.0-149         |               |                | 1.90     | 20              |
| Benzene       | 5.00                 | 4.86               | 4.86                | 97.2          | 97.2           | 70.0-123         |               |                | 0.000    | 20              |

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

(LCS) R4227156-1 06/07/25 10:55 • (LCSD) R4227156-2 06/07/25 11:16

| 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>% |
|-----------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Bromobenzene                | 5.00                 | 4.17               | 4.17                | 83.4          | 83.4           | 73.0-121         |                      |                       | 0.000    | 20              |
| Bromodichloromethane        | 5.00                 | 5.05               | 5.36                | 101           | 107            | 75.0-120         |                      |                       | 5.96     | 20              |
| Bromoform                   | 5.00                 | 5.41               | 5.50                | 108           | 110            | 68.0-132         |                      |                       | 1.65     | 20              |
| Bromomethane                | 5.00                 | 4.35               | 4.66                | 87.0          | 93.2           | 10.0-160         |                      |                       | 6.88     | 25              |
| n-Butylbenzene              | 5.00                 | 3.86               | 3.79                | 77.2          | 75.8           | 73.0-125         |                      |                       | 1.83     | 20              |
| sec-Butylbenzene            | 5.00                 | 4.11               | 4.04                | 82.2          | 80.8           | 75.0-125         |                      |                       | 1.72     | 20              |
| tert-Butylbenzene           | 5.00                 | 4.08               | 3.99                | 81.6          | 79.8           | 76.0-124         |                      |                       | 2.23     | 20              |
| Carbon tetrachloride        | 5.00                 | 4.44               | 4.50                | 88.8          | 90.0           | 68.0-126         |                      |                       | 1.34     | 20              |
| Chlorobenzene               | 5.00                 | 5.16               | 5.23                | 103           | 105            | 80.0-121         |                      |                       | 1.35     | 20              |
| Chlorodibromomethane        | 5.00                 | 4.88               | 4.91                | 97.6          | 98.2           | 77.0-125         |                      |                       | 0.613    | 20              |
| Chloroethane                | 5.00                 | 4.03               | 4.07                | 80.6          | 81.4           | 47.0-150         |                      |                       | 0.988    | 20              |
| Chloroform                  | 5.00                 | 7.15               | 7.52                | 143           | 150            | 73.0-120         | J4                   | J4                    | 5.04     | 20              |
| Chloromethane               | 5.00                 | 4.39               | 4.51                | 87.8          | 90.2           | 41.0-142         |                      |                       | 2.70     | 20              |
| 2-Chlorotoluene             | 5.00                 | 4.09               | 4.16                | 81.8          | 83.2           | 76.0-123         |                      |                       | 1.70     | 20              |
| 4-Chlorotoluene             | 5.00                 | 4.06               | 4.08                | 81.2          | 81.6           | 75.0-122         |                      |                       | 0.491    | 20              |
| 1,2-Dibromo-3-Chloropropane | 5.00                 | 5.29               | 5.31                | 106           | 106            | 58.0-134         |                      |                       | 0.377    | 20              |
| 1,2-Dibromoethane           | 5.00                 | 5.15               | 5.32                | 103           | 106            | 80.0-122         |                      |                       | 3.25     | 20              |
| Dibromomethane              | 5.00                 | 4.97               | 5.53                | 99.4          | 111            | 80.0-120         |                      |                       | 10.7     | 20              |
| 1,2-Dichlorobenzene         | 5.00                 | 4.97               | 4.74                | 99.4          | 94.8           | 79.0-121         |                      |                       | 4.74     | 20              |
| 1,3-Dichlorobenzene         | 5.00                 | 4.64               | 4.53                | 92.8          | 90.6           | 79.0-120         |                      |                       | 2.40     | 20              |
| 1,4-Dichlorobenzene         | 5.00                 | 4.99               | 4.97                | 99.8          | 99.4           | 79.0-120         |                      |                       | 0.402    | 20              |
| Dichlorodifluoromethane     | 5.00                 | 4.31               | 4.24                | 86.2          | 84.8           | 51.0-149         |                      |                       | 1.64     | 20              |
| 1,1-Dichloroethane          | 5.00                 | 4.41               | 4.45                | 88.2          | 89.0           | 70.0-126         |                      |                       | 0.903    | 20              |
| 1,2-Dichloroethane          | 5.00                 | 5.11               | 5.33                | 102           | 107            | 70.0-128         |                      |                       | 4.21     | 20              |
| 1,1-Dichloroethene          | 5.00                 | 4.89               | 5.01                | 97.8          | 100            | 71.0-124         |                      |                       | 2.42     | 20              |
| cis-1,2-Dichloroethene      | 5.00                 | 5.09               | 5.12                | 102           | 102            | 73.0-120         |                      |                       | 0.588    | 20              |
| trans-1,2-Dichloroethene    | 5.00                 | 4.86               | 5.05                | 97.2          | 101            | 73.0-120         |                      |                       | 3.83     | 20              |
| 1,2-Dichloropropane         | 5.00                 | 4.12               | 4.31                | 82.4          | 86.2           | 77.0-125         |                      |                       | 4.51     | 20              |
| 1,1-Dichloropropene         | 5.00                 | 4.27               | 4.39                | 85.4          | 87.8           | 74.0-126         |                      |                       | 2.77     | 20              |
| 1,3-Dichloropropane         | 5.00                 | 4.81               | 5.18                | 96.2          | 104            | 80.0-120         |                      |                       | 7.41     | 20              |
| cis-1,3-Dichloropropene     | 5.00                 | 4.39               | 4.47                | 87.8          | 89.4           | 80.0-123         |                      |                       | 1.81     | 20              |
| trans-1,3-Dichloropropene   | 5.00                 | 4.25               | 4.19                | 85.0          | 83.8           | 78.0-124         |                      |                       | 1.42     | 20              |
| 2,2-Dichloropropane         | 5.00                 | 4.66               | 4.69                | 93.2          | 93.8           | 58.0-130         |                      |                       | 0.642    | 20              |
| Di-isopropyl ether          | 5.00                 | 5.11               | 5.35                | 102           | 107            | 58.0-138         |                      |                       | 4.59     | 20              |
| Ethylbenzene                | 5.00                 | 4.83               | 4.71                | 96.6          | 94.2           | 79.0-123         |                      |                       | 2.52     | 20              |
| Hexachloro-1,3-butadiene    | 5.00                 | 5.06               | 5.18                | 101           | 104            | 54.0-138         |                      |                       | 2.34     | 20              |
| Isopropylbenzene            | 5.00                 | 5.09               | 5.17                | 102           | 103            | 76.0-127         |                      |                       | 1.56     | 20              |
| p-Isopropyltoluene          | 5.00                 | 4.16               | 4.18                | 83.2          | 83.6           | 76.0-125         |                      |                       | 0.480    | 20              |
| 2-Butanone (MEK)            | 25.0                 | 34.9               | 38.0                | 140           | 152            | 44.0-160         |                      |                       | 8.50     | 20              |
| Methylene Chloride          | 5.00                 | 4.71               | 4.86                | 94.2          | 97.2           | 67.0-120         |                      |                       | 3.13     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4227156-1 06/07/25 10:55 • (LCSD) R4227156-2 06/07/25 11:16

| 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>% |
|--------------------------------|----------------------|--------------------|---------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 4-Methyl-2-pentanone (MIBK)    | 25.0                 | 29.9               | 31.5                | 120           | 126            | 68.0-142         |                      |                       | 5.21     | 20              |
| Methyl tert-butyl ether        | 5.00                 | 5.41               | 5.80                | 108           | 116            | 68.0-125         |                      |                       | 6.96     | 20              |
| Naphthalene                    | 5.00                 | 4.04               | 4.35                | 80.8          | 87.0           | 54.0-135         |                      |                       | 7.39     | 20              |
| n-Propylbenzene                | 5.00                 | 4.01               | 3.86                | 80.2          | 77.2           | 77.0-124         |                      |                       | 3.81     | 20              |
| Styrene                        | 5.00                 | 4.36               | 4.07                | 87.2          | 81.4           | 73.0-130         |                      |                       | 6.88     | 20              |
| 1,1,1,2-Tetrachloroethane      | 5.00                 | 5.46               | 5.69                | 109           | 114            | 75.0-125         |                      |                       | 4.13     | 20              |
| 1,1,2,2-Tetrachloroethane      | 5.00                 | 4.67               | 4.61                | 93.4          | 92.2           | 65.0-130         |                      |                       | 1.29     | 20              |
| 1,1,2-Trichlorotrifluoroethane | 5.00                 | 5.01               | 4.94                | 100           | 98.8           | 69.0-132         |                      |                       | 1.41     | 20              |
| Tetrachloroethene              | 5.00                 | 5.67               | 5.65                | 113           | 113            | 72.0-132         |                      |                       | 0.353    | 20              |
| Toluene                        | 5.00                 | 4.95               | 5.02                | 99.0          | 100            | 79.0-120         |                      |                       | 1.40     | 20              |
| 1,2,3-Trichlorobenzene         | 5.00                 | 3.00               | 2.93                | 60.0          | 58.6           | 50.0-138         |                      |                       | 2.36     | 20              |
| 1,2,4-Trichlorobenzene         | 5.00                 | 4.28               | 4.38                | 85.6          | 87.6           | 57.0-137         |                      |                       | 2.31     | 20              |
| 1,1,1-Trichloroethane          | 5.00                 | 5.26               | 5.30                | 105           | 106            | 73.0-124         |                      |                       | 0.758    | 20              |
| 1,1,2-Trichloroethane          | 5.00                 | 5.28               | 5.36                | 106           | 107            | 80.0-120         |                      |                       | 1.50     | 20              |
| Trichloroethene                | 5.00                 | 5.85               | 5.88                | 117           | 118            | 78.0-124         |                      |                       | 0.512    | 20              |
| Trichlorofluoromethane         | 5.00                 | 5.20               | 5.03                | 104           | 101            | 59.0-147         |                      |                       | 3.32     | 20              |
| 1,2,3-Trichloropropane         | 5.00                 | 4.97               | 4.92                | 99.4          | 98.4           | 73.0-130         |                      |                       | 1.01     | 20              |
| 1,2,4-Trimethylbenzene         | 5.00                 | 4.40               | 4.34                | 88.0          | 86.8           | 76.0-121         |                      |                       | 1.37     | 20              |
| 1,2,3-Trimethylbenzene         | 5.00                 | 4.31               | 4.35                | 86.2          | 87.0           | 77.0-120         |                      |                       | 0.924    | 20              |
| 1,3,5-Trimethylbenzene         | 5.00                 | 4.35               | 4.26                | 87.0          | 85.2           | 76.0-122         |                      |                       | 2.09     | 20              |
| Vinyl chloride                 | 5.00                 | 3.38               | 3.42                | 67.6          | 68.4           | 67.0-131         |                      |                       | 1.18     | 20              |
| Xylenes, Total                 | 15.0                 | 14.6               | 14.6                | 97.3          | 97.3           | 79.0-123         |                      |                       | 0.000    | 20              |
| (S) Toluene-d8                 |                      |                    |                     | 101           | 99.4           | 80.0-120         |                      |                       |          |                 |
| (S) 4-Bromofluorobenzene       |                      |                    |                     | 95.4          | 93.3           | 77.0-126         |                      |                       |          |                 |
| (S) 1,2-Dichloroethane-d4      |                      |                    |                     | 103           | 103            | 70.0-130         |                      |                       |          |                 |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 21:28 • (MS) R4227156-5 06/07/25 22:09 • (MSD) R4227156-6 06/07/25 22:30

| Analyte              | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Acetone              | 25.0                 | ND                      | ND                | ND                 | 97.2         | 104           | 1        | 10.0-160         |                     |                      | 6.76     | 35              |
| Acrolein             | 25.0                 | ND                      | ND                | ND                 | 130          | 134           | 1        | 10.0-160         |                     |                      | 2.42     | 39              |
| Acrylonitrile        | 25.0                 | ND                      | 25.7              | 29.2               | 103          | 117           | 1        | 21.0-160         |                     |                      | 12.8     | 32              |
| Benzene              | 5.00                 | ND                      | 5.09              | 5.85               | 102          | 117           | 1        | 17.0-158         |                     |                      | 13.9     | 27              |
| Bromobenzene         | 5.00                 | ND                      | 4.27              | 4.75               | 85.4         | 95.0          | 1        | 30.0-149         |                     |                      | 10.6     | 28              |
| Bromodichloromethane | 5.00                 | ND                      | 5.52              | 6.46               | 110          | 129           | 1        | 31.0-150         |                     |                      | 15.7     | 27              |
| Bromoform            | 5.00                 | ND                      | 5.67              | 6.53               | 113          | 131           | 1        | 29.0-150         |                     |                      | 14.1     | 29              |
| Bromomethane         | 5.00                 | ND                      | ND                | ND                 | 88.4         | 97.8          | 1        | 10.0-160         |                     |                      | 10.1     | 38              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 21:28 • (MS) R4227156-5 06/07/25 22:09 • (MSD) R4227156-6 06/07/25 22:30

| Analyte                     | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| n-Butylbenzene              | 5.00                 | ND                      | 3.97              | 4.41               | 79.4         | 88.2          | 1        | 31.0-150         |              |               | 10.5     | 30              |
| sec-Butylbenzene            | 5.00                 | ND                      | 4.04              | 4.68               | 80.8         | 93.6          | 1        | 33.0-155         |              |               | 14.7     | 29              |
| tert-Butylbenzene           | 5.00                 | ND                      | 4.05              | 4.75               | 81.0         | 95.0          | 1        | 34.0-153         |              |               | 15.9     | 28              |
| Carbon tetrachloride        | 5.00                 | ND                      | 4.94              | 5.71               | 98.8         | 114           | 1        | 23.0-159         |              |               | 14.5     | 28              |
| Chlorobenzene               | 5.00                 | ND                      | 5.28              | 6.25               | 106          | 125           | 1        | 33.0-152         |              |               | 16.8     | 27              |
| Chlorodibromomethane        | 5.00                 | ND                      | 5.03              | 5.95               | 101          | 119           | 1        | 37.0-149         |              |               | 16.8     | 27              |
| Chloroethane                | 5.00                 | ND                      | ND                | ND                 | 80.2         | 86.0          | 1        | 10.0-160         |              |               | 6.98     | 30              |
| Chloroform                  | 5.00                 | ND                      | 5.70              | 6.32               | 114          | 126           | 1        | 29.0-154         |              |               | 10.3     | 28              |
| Chloromethane               | 5.00                 | ND                      | 4.78              | 4.84               | 95.6         | 96.8          | 1        | 10.0-160         |              |               | 1.25     | 29              |
| 2-Chlorotoluene             | 5.00                 | ND                      | 4.22              | 4.72               | 84.4         | 94.4          | 1        | 32.0-153         |              |               | 11.2     | 28              |
| 4-Chlorotoluene             | 5.00                 | ND                      | 4.05              | 4.78               | 81.0         | 95.6          | 1        | 32.0-150         |              |               | 16.5     | 28              |
| 1,2-Dibromo-3-Chloropropane | 5.00                 | ND                      | 5.07              | 5.25               | 101          | 105           | 1        | 22.0-151         |              |               | 3.49     | 34              |
| 1,2-Dibromoethane           | 5.00                 | ND                      | 5.30              | 6.12               | 106          | 122           | 1        | 34.0-147         |              |               | 14.4     | 27              |
| Dibromomethane              | 5.00                 | ND                      | 5.45              | 6.16               | 109          | 123           | 1        | 30.0-151         |              |               | 12.2     | 27              |
| 1,2-Dichlorobenzene         | 5.00                 | ND                      | 4.85              | 5.60               | 97.0         | 112           | 1        | 34.0-149         |              |               | 14.4     | 28              |
| 1,3-Dichlorobenzene         | 5.00                 | ND                      | 4.74              | 5.22               | 94.8         | 104           | 1        | 36.0-146         |              |               | 9.64     | 27              |
| 1,4-Dichlorobenzene         | 5.00                 | ND                      | 4.94              | 5.80               | 98.8         | 116           | 1        | 35.0-142         |              |               | 16.0     | 27              |
| Dichlorodifluoromethane     | 5.00                 | ND                      | ND                | ND                 | 91.4         | 89.4          | 1        | 10.0-160         |              |               | 2.21     | 29              |
| 1,1-Dichloroethane          | 5.00                 | ND                      | 4.59              | 5.32               | 91.8         | 106           | 1        | 25.0-158         |              |               | 14.7     | 27              |
| 1,2-Dichloroethane          | 5.00                 | ND                      | 5.70              | 6.66               | 114          | 133           | 1        | 29.0-151         |              |               | 15.5     | 27              |
| 1,1-Dichloroethene          | 5.00                 | ND                      | 5.14              | 5.37               | 103          | 107           | 1        | 11.0-160         |              |               | 4.38     | 29              |
| cis-1,2-Dichloroethene      | 5.00                 | ND                      | 5.34              | 6.00               | 107          | 120           | 1        | 10.0-160         |              |               | 11.6     | 27              |
| trans-1,2-Dichloroethene    | 5.00                 | ND                      | 5.30              | 5.44               | 106          | 109           | 1        | 17.0-153         |              |               | 2.61     | 27              |
| 1,2-Dichloropropane         | 5.00                 | ND                      | 4.09              | 4.89               | 81.8         | 97.8          | 1        | 30.0-156         |              |               | 17.8     | 27              |
| 1,1-Dichloropropene         | 5.00                 | ND                      | 4.56              | 5.09               | 91.2         | 102           | 1        | 25.0-158         |              |               | 11.0     | 27              |
| 1,3-Dichloropropane         | 5.00                 | ND                      | 5.00              | 5.69               | 100          | 114           | 1        | 38.0-147         |              |               | 12.9     | 27              |
| cis-1,3-Dichloropropene     | 5.00                 | ND                      | 4.05              | 4.82               | 81.0         | 96.4          | 1        | 34.0-149         |              |               | 17.4     | 28              |
| trans-1,3-Dichloropropene   | 5.00                 | ND                      | 4.34              | 5.02               | 86.8         | 100           | 1        | 32.0-149         |              |               | 14.5     | 28              |
| 2,2-Dichloropropane         | 5.00                 | ND                      | 5.03              | 5.93               | 101          | 119           | 1        | 24.0-152         |              |               | 16.4     | 29              |
| Di-isopropyl ether          | 5.00                 | ND                      | 5.20              | 6.03               | 104          | 121           | 1        | 21.0-160         |              |               | 14.8     | 28              |
| Ethylbenzene                | 5.00                 | ND                      | 4.85              | 5.69               | 97.0         | 114           | 1        | 30.0-155         |              |               | 15.9     | 27              |
| Hexachloro-1,3-butadiene    | 5.00                 | ND                      | 5.14              | 5.91               | 103          | 118           | 1        | 20.0-154         |              |               | 13.9     | 34              |
| Isopropylbenzene            | 5.00                 | ND                      | 5.42              | 6.12               | 108          | 122           | 1        | 28.0-157         |              |               | 12.1     | 27              |
| p-Isopropyltoluene          | 5.00                 | ND                      | 4.31              | 4.81               | 86.2         | 96.2          | 1        | 30.0-154         |              |               | 11.0     | 29              |
| 2-Butanone (MEK)            | 25.0                 | ND                      | 25.9              | 28.2               | 104          | 113           | 1        | 10.0-160         |              |               | 8.50     | 32              |
| Methylene Chloride          | 5.00                 | ND                      | ND                | ND                 | 94.0         | 99.0          | 1        | 23.0-144         |              |               | 5.18     | 28              |
| 4-Methyl-2-pentanone (MIBK) | 25.0                 | ND                      | 29.5              | 33.7               | 118          | 135           | 1        | 29.0-160         |              |               | 13.3     | 29              |
| Methyl tert-butyl ether     | 5.00                 | ND                      | 5.53              | 5.77               | 111          | 115           | 1        | 28.0-150         |              |               | 4.25     | 29              |
| Naphthalene                 | 5.00                 | ND                      | ND                | ND                 | 65.6         | 84.0          | 1        | 12.0-156         |              |               | 24.6     | 35              |
| n-Propylbenzene             | 5.00                 | ND                      | 4.05              | 4.54               | 81.0         | 90.8          | 1        | 31.0-154         |              |               | 11.4     | 28              |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/07/25 21:28 • (MS) R4227156-5 06/07/25 22:09 • (MSD) R4227156-6 06/07/25 22:30

| Analyte                        | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Styrene                        | 5.00                 | ND                      | 4.11              | 4.71               | 82.2         | 94.2          | 1        | 33.0-155         |              |               | 13.6     | 28              |
| 1,1,1,2-Tetrachloroethane      | 5.00                 | ND                      | 6.04              | 6.81               | 121          | 136           | 1        | 36.0-151         |              |               | 12.0     | 29              |
| 1,1,2,2-Tetrachloroethane      | 5.00                 | ND                      | 4.79              | 5.48               | 95.8         | 110           | 1        | 33.0-150         |              |               | 13.4     | 28              |
| 1,1,2-Trichlorotrifluoroethane | 5.00                 | ND                      | 4.96              | 4.66               | 99.2         | 93.2          | 1        | 23.0-160         |              |               | 6.24     | 30              |
| Tetrachloroethene              | 5.00                 | ND                      | 6.38              | 7.54               | 128          | 151           | 1        | 10.0-160         |              |               | 16.7     | 27              |
| Toluene                        | 5.00                 | ND                      | 5.23              | 6.06               | 105          | 121           | 1        | 26.0-154         |              |               | 14.7     | 28              |
| 1,2,3-Trichlorobenzene         | 5.00                 | ND                      | 2.52              | 3.09               | 50.4         | 61.8          | 1        | 17.0-150         |              |               | 20.3     | 36              |
| 1,2,4-Trichlorobenzene         | 5.00                 | ND                      | 3.97              | 4.79               | 79.4         | 95.8          | 1        | 24.0-150         |              |               | 18.7     | 33              |
| 1,1,1-Trichloroethane          | 5.00                 | ND                      | 5.88              | 6.74               | 118          | 135           | 1        | 23.0-160         |              |               | 13.6     | 28              |
| 1,1,2-Trichloroethane          | 5.00                 | ND                      | 5.48              | 6.28               | 110          | 126           | 1        | 35.0-147         |              |               | 13.6     | 27              |
| Trichloroethene                | 5.00                 | ND                      | 5.75              | 6.67               | 115          | 133           | 1        | 10.0-160         |              |               | 14.8     | 25              |
| Trichlorofluoromethane         | 5.00                 | ND                      | 5.48              | 5.75               | 110          | 115           | 1        | 17.0-160         |              |               | 4.81     | 31              |
| 1,2,3-Trichloropropane         | 5.00                 | ND                      | 4.88              | 5.71               | 97.6         | 114           | 1        | 34.0-151         |              |               | 15.7     | 29              |
| 1,2,4-Trimethylbenzene         | 5.00                 | ND                      | 4.33              | 4.97               | 86.6         | 99.4          | 1        | 26.0-154         |              |               | 13.8     | 27              |
| 1,2,3-Trimethylbenzene         | 5.00                 | ND                      | 4.44              | 4.90               | 88.8         | 98.0          | 1        | 32.0-149         |              |               | 9.85     | 28              |
| 1,3,5-Trimethylbenzene         | 5.00                 | ND                      | 4.34              | 4.92               | 86.8         | 98.4          | 1        | 28.0-153         |              |               | 12.5     | 27              |
| Vinyl chloride                 | 5.00                 | ND                      | 3.62              | 3.68               | 72.4         | 73.6          | 1        | 10.0-160         |              |               | 1.64     | 27              |
| Xylenes, Total                 | 15.0                 | ND                      | 14.6              | 17.2               | 97.3         | 115           | 1        | 29.0-154         |              |               | 16.4     | 28              |
| (S) Toluene-d8                 |                      |                         |                   |                    | 99.4         | 98.4          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene       |                      |                         |                   |                    | 96.4         | 98.6          |          | 77.0-126         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4      |                      |                         |                   |                    | 114          | 115           |          | 70.0-130         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4227131-1 06/07/25 14:55

| Analyte                 | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-------------------------|-------------------|--------------|----------------|----------------|
| C10-C28 Diesel Range    | U                 |              | 60.5           | 100            |
| C28-C36 Motor Oil Range | U                 |              | 77.2           | 100            |
| (S) o-Terphenyl         | 105               |              |                | 52.0-156       |

Laboratory Control Sample (LCS)

(LCS) R4227131-2 06/07/25 15:17

| Analyte              | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|----------------------|--------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 1500                 | 1730               | 115           | 50.0-150         |               |
| (S) o-Terphenyl      |                      |                    | 112           | 52.0-156         |               |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 02:27 • (MS) R4227131-3 06/08/25 02:50 • (MSD) R4227131-4 06/08/25 03:12

| Analyte              | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 1430                 | 155                     | 1840              | 1860               | 118          | 119           | 1        | 50.0-150         |              |               | 1.08     | 20              |
| (S) o-Terphenyl      |                      |                         |                   |                    | 119          | 121           |          | 52.0-156         |              |               |          |                 |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Method Blank (MB)

(MB) R4227387-2 06/08/25 15:14

| Analyte                     | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|-----------------------------|-------------------|--------------|----------------|----------------|
| Acenaphthene                | U                 |              | 0.246          | 1.00           |
| Acenaphthylene              | U                 |              | 0.265          | 1.00           |
| Anthracene                  | U                 |              | 0.196          | 1.00           |
| Benzidine                   | U                 |              | 10.3           | 20.0           |
| Benzo(a)anthracene          | U                 |              | 0.208          | 1.00           |
| Benzo(b)fluoranthene        | U                 |              | 0.280          | 1.00           |
| Benzo(k)fluoranthene        | U                 |              | 0.247          | 1.00           |
| Benzo(g,h,i)perylene        | U                 |              | 0.254          | 1.00           |
| Benzo(a)pyrene              | U                 |              | 0.128          | 1.00           |
| Bis(2-chlorethoxy)methane   | U                 |              | 1.88           | 10.0           |
| Bis(2-chloroethyl)ether     | U                 |              | 2.05           | 10.0           |
| 2,2-Oxybis(1-Chloropropane) | U                 |              | 1.91           | 10.0           |
| 4-Bromophenyl-phenylether   | U                 |              | 2.67           | 10.0           |
| 2-Chloronaphthalene         | U                 |              | 0.259          | 1.00           |
| 4-Chlorophenyl-phenylether  | U                 |              | 2.22           | 10.0           |
| Chrysene                    | U                 |              | 0.279          | 1.00           |
| Dibenz(a,h)anthracene       | U                 |              | 0.148          | 1.00           |
| 1,2-Dichlorobenzene         | U                 |              | 2.20           | 10.0           |
| 1,3-Dichlorobenzene         | U                 |              | 2.21           | 10.0           |
| 1,4-Dichlorobenzene         | U                 |              | 2.23           | 10.0           |
| 3,3-Dichlorobenzidine       | U                 |              | 7.58           | 10.0           |
| 2,4-Dinitrotoluene          | U                 |              | 1.87           | 10.0           |
| 2,6-Dinitrotoluene          | U                 |              | 1.86           | 10.0           |
| Fluoranthene                | U                 |              | 0.229          | 1.00           |
| Fluorene                    | U                 |              | 0.277          | 1.00           |
| Hexachlorobenzene           | U                 |              | 0.259          | 1.00           |
| Hexachloro-1,3-butadiene    | U                 |              | 2.27           | 10.0           |
| Hexachlorocyclopentadiene   | U                 |              | 2.81           | 10.0           |
| Hexachloroethane            | U                 |              | 2.15           | 10.0           |
| Indeno(1,2,3-cd)pyrene      | U                 |              | 0.285          | 1.00           |
| Isophorone                  | U                 |              | 1.72           | 10.0           |
| 1-Methylnaphthalene         | U                 |              | 0.245          | 1.00           |
| 2-Methylnaphthalene         | U                 |              | 0.276          | 1.00           |
| Naphthalene                 | U                 |              | 0.678          | 1.00           |
| Nitrobenzene                | U                 |              | 1.97           | 10.0           |
| n-Nitrosodimethylamine      | U                 |              | 2.80           | 10.0           |
| n-Nitrosodiphenylamine      | U                 |              | 2.02           | 10.0           |
| n-Nitrosodi-n-propylamine   | U                 |              | 2.02           | 10.0           |
| Phenanthrene                | U                 |              | 0.219          | 1.00           |
| Benzylbutyl phthalate       | U                 |              | 1.13           | 3.00           |

<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) R4227387-2 06/08/25 15:14

| Analyte                    | MB Result<br>ug/l | MB Qualifier | MB MDL<br>ug/l | MB RDL<br>ug/l |
|----------------------------|-------------------|--------------|----------------|----------------|
| Bis(2-ethylhexyl)phthalate | U                 |              | 1.65           | 3.00           |
| Di-n-butyl phthalate       | U                 |              | 0.794          | 3.00           |
| Diethyl phthalate          | U                 |              | 0.861          | 3.00           |
| Dimethyl phthalate         | U                 |              | 0.772          | 3.00           |
| Di-n-octyl phthalate       | U                 |              | 1.33           | 3.00           |
| Pyrene                     | U                 |              | 0.259          | 1.00           |
| 1,2,4-Trichlorobenzene     | U                 |              | 2.30           | 10.0           |
| 4-Chloro-3-methylphenol    | U                 |              | 2.28           | 10.0           |
| 2-Chlorophenol             | U                 |              | 2.11           | 10.0           |
| 2,4-Dichlorophenol         | U                 |              | 2.41           | 10.0           |
| 2,4-Dimethylphenol         | U                 |              | 4.33           | 10.0           |
| 4,6-Dinitro-2-methylphenol | U                 |              | 3.49           | 10.0           |
| 2,4-Dinitrophenol          | U                 |              | 5.71           | 10.0           |
| 2-Nitrophenol              | U                 |              | 2.60           | 10.0           |
| 4-Nitrophenol              | U                 |              | 7.55           | 10.0           |
| Pentachlorophenol          | U                 |              | 0.708          | 10.0           |
| Phenol                     | U                 |              | 0.757          | 10.0           |
| 2,4,6-Trichlorophenol      | U                 |              | 2.38           | 10.0           |
| (S) 2-Fluorophenol         | 39.7              |              |                | 10.0-120       |
| (S) Phenol-d5              | 27.8              |              |                | 10.0-120       |
| (S) Nitrobenzene-d5        | 74.3              |              |                | 10.0-127       |
| (S) 2-Fluorobiphenyl       | 69.4              |              |                | 10.0-130       |
| (S) 2,4,6-Tribromophenol   | 57.5              |              |                | 10.0-155       |
| (S) p-Terphenyl-d14        | 86.2              |              |                | 10.0-128       |

<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)

(LCS) R4227387-1 06/08/25 14:52

| Analyte              | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|----------------------|--------------------|---------------|------------------|---------------|
| Acenaphthene         | 50.0                 | 43.4               | 86.8          | 41.0-120         |               |
| Acenaphthylene       | 50.0                 | 40.1               | 80.2          | 43.0-120         |               |
| Anthracene           | 50.0                 | 45.3               | 90.6          | 45.0-120         |               |
| Benzidine            | 100                  | U                  | 0.000         | 10.0-120         | J4            |
| Benzo(a)anthracene   | 50.0                 | 44.4               | 88.8          | 47.0-120         |               |
| Benzo(b)fluoranthene | 50.0                 | 48.3               | 96.6          | 46.0-120         |               |
| Benzo(k)fluoranthene | 50.0                 | 47.9               | 95.8          | 46.0-120         |               |
| Benzo(g,h,i)perylene | 50.0                 | 44.2               | 88.4          | 48.0-121         |               |
| Benzo(a)pyrene       | 50.0                 | 42.7               | 85.4          | 47.0-120         |               |

Laboratory Control Sample (LCS)

(LCS) R4227387-1 06/08/25 14:52

| Analyte                     | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|-----------------------------|----------------------|--------------------|---------------|------------------|----------------------|
| Bis(2-chlorethoxy)methane   | 50.0                 | 41.3               | 82.6          | 33.0-120         |                      |
| Bis(2-chloroethyl)ether     | 50.0                 | 46.3               | 92.6          | 23.0-120         |                      |
| 2,2-Oxybis(1-Chloropropane) | 50.0                 | 41.9               | 83.8          | 28.0-120         |                      |
| 4-Bromophenyl-phenylether   | 50.0                 | 46.0               | 92.0          | 45.0-120         |                      |
| 2-Chloronaphthalene         | 50.0                 | 39.9               | 79.8          | 37.0-120         |                      |
| 4-Chlorophenyl-phenylether  | 50.0                 | 43.0               | 86.0          | 44.0-120         |                      |
| Chrysene                    | 50.0                 | 42.5               | 85.0          | 48.0-120         |                      |
| Dibenz(a,h)anthracene       | 50.0                 | 43.3               | 86.6          | 47.0-120         |                      |
| 1,2-Dichlorobenzene         | 50.0                 | 37.0               | 74.0          | 20.0-120         |                      |
| 1,3-Dichlorobenzene         | 50.0                 | 36.2               | 72.4          | 17.0-120         |                      |
| 1,4-Dichlorobenzene         | 50.0                 | 36.2               | 72.4          | 18.0-120         |                      |
| 3,3-Dichlorobenzidine       | 100                  | 69.2               | 69.2          | 44.0-120         |                      |
| 2,4-Dinitrotoluene          | 50.0                 | 46.9               | 93.8          | 49.0-124         |                      |
| 2,6-Dinitrotoluene          | 50.0                 | 46.7               | 93.4          | 46.0-120         |                      |
| Fluoranthene                | 50.0                 | 46.2               | 92.4          | 51.0-120         |                      |
| Fluorene                    | 50.0                 | 41.7               | 83.4          | 47.0-120         |                      |
| Hexachlorobenzene           | 50.0                 | 40.7               | 81.4          | 44.0-120         |                      |
| Hexachloro-1,3-butadiene    | 50.0                 | 33.3               | 66.6          | 19.0-120         |                      |
| Hexachlorocyclopentadiene   | 50.0                 | 11.0               | 22.0          | 15.0-120         |                      |
| Hexachloroethane            | 50.0                 | 36.2               | 72.4          | 15.0-120         |                      |
| Indeno(1,2,3-cd)pyrene      | 50.0                 | 45.7               | 91.4          | 49.0-122         |                      |
| Isophorone                  | 50.0                 | 41.8               | 83.6          | 36.0-120         |                      |
| 1-Methylnaphthalene         | 50.0                 | 38.7               | 77.4          | 33.0-120         |                      |
| 2-Methylnaphthalene         | 50.0                 | 40.4               | 80.8          | 33.0-120         |                      |
| Naphthalene                 | 50.0                 | 35.6               | 71.2          | 27.0-120         |                      |
| Nitrobenzene                | 50.0                 | 39.1               | 78.2          | 27.0-120         |                      |
| n-Nitrosodimethylamine      | 50.0                 | 25.6               | 51.2          | 10.0-120         |                      |
| n-Nitrosodiphenylamine      | 50.0                 | 44.4               | 88.8          | 47.0-120         |                      |
| n-Nitrosodi-n-propylamine   | 50.0                 | 49.5               | 99.0          | 31.0-120         |                      |
| Phenanthrene                | 50.0                 | 43.5               | 87.0          | 46.0-120         |                      |
| Benzylbutyl phthalate       | 50.0                 | 51.0               | 102           | 43.0-121         |                      |
| Bis(2-ethylhexyl)phthalate  | 50.0                 | 49.3               | 98.6          | 43.0-122         |                      |
| Di-n-butyl phthalate        | 50.0                 | 52.3               | 105           | 49.0-121         |                      |
| Diethyl phthalate           | 50.0                 | 48.2               | 96.4          | 48.0-122         |                      |
| Dimethyl phthalate          | 50.0                 | 46.5               | 93.0          | 48.0-120         |                      |
| Di-n-octyl phthalate        | 50.0                 | 50.8               | 102           | 42.0-125         |                      |
| Pyrene                      | 50.0                 | 48.3               | 96.6          | 47.0-120         |                      |
| 1,2,4-Trichlorobenzene      | 50.0                 | 34.5               | 69.0          | 24.0-120         |                      |
| 4-Chloro-3-methylphenol     | 50.0                 | 37.5               | 75.0          | 40.0-120         |                      |
| 2-Chlorophenol              | 50.0                 | 33.3               | 66.6          | 25.0-120         |                      |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4227387-1 06/08/25 14:52

| Analyte                    | Spike Amount<br>ug/l | LCS Result<br>ug/l | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|----------------------------|----------------------|--------------------|---------------|------------------|----------------------|
| 2,4-Dichlorophenol         | 50.0                 | 36.6               | 73.2          | 36.0-120         |                      |
| 2,4-Dimethylphenol         | 50.0                 | 35.2               | 70.4          | 33.0-120         |                      |
| 4,6-Dinitro-2-methylphenol | 50.0                 | 41.3               | 82.6          | 38.0-138         |                      |
| 2,4-Dinitrophenol          | 50.0                 | 36.4               | 72.8          | 10.0-120         |                      |
| 2-Nitrophenol              | 50.0                 | 40.6               | 81.2          | 31.0-120         |                      |
| 4-Nitrophenol              | 50.0                 | 18.5               | 37.0          | 10.0-120         |                      |
| Pentachlorophenol          | 50.0                 | 29.0               | 58.0          | 23.0-120         |                      |
| Phenol                     | 50.0                 | 17.4               | 34.8          | 10.0-120         |                      |
| 2,4,6-Trichlorophenol      | 50.0                 | 43.5               | 87.0          | 42.0-120         |                      |
| (S) 2-Fluorophenol         |                      |                    | 46.8          | 10.0-120         |                      |
| (S) Phenol-d5              |                      |                    | 33.2          | 10.0-120         |                      |
| (S) Nitrobenzene-d5        |                      |                    | 73.2          | 10.0-127         |                      |
| (S) 2-Fluorobiphenyl       |                      |                    | 77.4          | 10.0-130         |                      |
| (S) 2,4,6-Tribromophenol   |                      |                    | 81.0          | 10.0-155         |                      |
| (S) p-Terphenyl-d14        |                      |                    | 88.7          | 10.0-128         |                      |

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 19:14 • (MS) R4227387-3 06/08/25 19:36 • (MSD) R4227387-4 06/08/25 19:57

| Analyte                     | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|-----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Acenaphthene                | 47.6                 | ND                      | 32.3              | 28.0               | 67.9         | 62.8          | 1        | 28.0-120         |                     |                      | 14.3     | 25              |
| Acenaphthylene              | 47.6                 | ND                      | 31.2              | 27.2               | 65.5         | 61.0          | 1        | 31.0-121         |                     |                      | 13.7     | 25              |
| Anthracene                  | 47.6                 | ND                      | 30.6              | 26.4               | 64.3         | 59.2          | 1        | 36.0-120         |                     |                      | 14.7     | 23              |
| Benidine                    | 95.2                 | ND                      | ND                | ND                 | 0.000        | 0.000         | 1        | 10.0-120         | J6                  | J6                   | 0.000    | 37              |
| Benzo(a)anthracene          | 47.6                 | ND                      | 27.1              | 21.9               | 56.9         | 49.1          | 1        | 39.0-120         |                     |                      | 21.2     | 23              |
| Benzo(b)fluoranthene        | 47.6                 | ND                      | 26.4              | 20.8               | 55.5         | 46.6          | 1        | 37.0-120         |                     | J3                   | 23.7     | 23              |
| Benzo(k)fluoranthene        | 47.6                 | ND                      | 26.4              | 20.8               | 55.5         | 46.6          | 1        | 37.0-120         |                     |                      | 23.7     | 26              |
| Benzo(g,h,i)perylene        | 47.6                 | ND                      | 22.0              | 16.9               | 46.2         | 37.9          | 1        | 37.0-123         |                     | J3                   | 26.2     | 25              |
| Benzo(a)pyrene              | 47.6                 | ND                      | 24.3              | 19.0               | 51.1         | 42.6          | 1        | 37.0-120         |                     | J3                   | 24.5     | 24              |
| Bis(2-chlorethoxy)methane   | 47.6                 | ND                      | 36.6              | 31.8               | 76.9         | 71.3          | 1        | 17.0-120         |                     |                      | 14.0     | 31              |
| Bis(2-chloroethyl)ether     | 47.6                 | ND                      | 37.9              | 32.7               | 79.6         | 73.3          | 1        | 14.0-120         |                     |                      | 14.7     | 33              |
| 2,2-Oxybis(1-Chloropropane) | 47.6                 | ND                      | 34.6              | 29.5               | 72.7         | 66.1          | 1        | 18.0-120         |                     |                      | 15.9     | 34              |
| 4-Bromophenyl-phenylether   | 47.6                 | ND                      | 34.4              | 29.0               | 72.3         | 65.0          | 1        | 37.0-120         |                     |                      | 17.0     | 24              |
| 2-Chloronaphthalene         | 47.6                 | ND                      | 30.6              | 26.9               | 64.3         | 60.3          | 1        | 29.0-120         |                     |                      | 12.9     | 28              |
| 4-Chlorophenyl-phenylether  | 47.6                 | ND                      | 32.1              | 27.3               | 67.4         | 61.2          | 1        | 36.0-120         |                     |                      | 16.2     | 23              |
| Chrysene                    | 47.6                 | ND                      | 26.1              | 20.7               | 54.8         | 46.4          | 1        | 38.0-120         |                     | J3                   | 23.1     | 23              |
| Dibenz(a,h)anthracene       | 47.6                 | ND                      | 21.4              | 17.0               | 45.0         | 38.1          | 1        | 36.0-121         |                     |                      | 22.9     | 24              |
| 1,2-Dichlorobenzene         | 47.6                 | ND                      | 27.9              | 24.9               | 58.6         | 55.8          | 1        | 18.0-120         |                     |                      | 11.4     | 40              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 19:14 • (MS) R4227387-3 06/08/25 19:36 • (MSD) R4227387-4 06/08/25 19:57

| Analyte                    | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| 1,3-Dichlorobenzene        | 47.6                 | ND                      | 27.1              | 23.7               | 56.9         | 53.1          | 1        | 15.0-120         |              |               | 13.4     | 40              |
| 1,4-Dichlorobenzene        | 47.6                 | ND                      | 27.5              | 24.0               | 57.8         | 53.8          | 1        | 17.0-120         |              |               | 13.6     | 40              |
| 3,3-Dichlorobenzidine      | 95.2                 | ND                      | 32.0              | 25.6               | 33.6         | 28.7          | 1        | 10.0-134         |              |               | 22.2     | 30              |
| 2,4-Dinitrotoluene         | 47.6                 | ND                      | 39.2              | 34.7               | 82.4         | 77.8          | 1        | 39.0-125         |              |               | 12.2     | 25              |
| 2,6-Dinitrotoluene         | 47.6                 | ND                      | 39.1              | 34.6               | 82.1         | 77.6          | 1        | 36.0-120         |              |               | 12.2     | 27              |
| Fluoranthene               | 47.6                 | ND                      | 31.0              | 26.6               | 65.1         | 59.6          | 1        | 41.0-121         |              |               | 15.3     | 22              |
| Fluorene                   | 47.6                 | ND                      | 32.2              | 27.9               | 67.6         | 62.6          | 1        | 37.0-120         |              |               | 14.3     | 24              |
| Hexachlorobenzene          | 47.6                 | ND                      | 28.8              | 23.2               | 60.5         | 52.0          | 1        | 35.0-122         |              |               | 21.5     | 24              |
| Hexachloro-1,3-butadiene   | 47.6                 | ND                      | 23.5              | 18.2               | 49.4         | 40.8          | 1        | 12.0-120         |              |               | 25.4     | 34              |
| Hexachlorocyclopentadiene  | 47.6                 | ND                      | ND                | ND                 | 18.6         | 16.1          | 1        | 10.0-120         |              |               | 20.8     | 33              |
| Hexachloroethane           | 47.6                 | ND                      | 26.1              | 22.7               | 54.8         | 50.9          | 1        | 10.0-120         |              |               | 13.9     | 40              |
| Indeno(1,2,3-cd)pyrene     | 47.6                 | ND                      | 22.4              | 17.6               | 47.1         | 39.5          | 1        | 38.0-125         |              |               | 24.0     | 24              |
| Isophorone                 | 47.6                 | ND                      | 37.2              | 33.1               | 78.2         | 74.2          | 1        | 21.0-120         |              |               | 11.7     | 27              |
| 1-Methylnaphthalene        | 47.6                 | ND                      | 29.9              | 24.0               | 62.8         | 53.8          | 1        | 11.0-120         |              |               | 21.9     | 27              |
| 2-Methylnaphthalene        | 47.6                 | ND                      | 31.2              | 25.4               | 65.5         | 57.0          | 1        | 17.0-120         |              |               | 20.5     | 28              |
| Naphthalene                | 47.6                 | ND                      | 27.7              | 23.2               | 58.2         | 52.0          | 1        | 10.0-120         |              |               | 17.7     | 31              |
| Nitrobenzene               | 47.6                 | ND                      | 35.1              | 30.4               | 73.7         | 68.2          | 1        | 12.0-120         |              |               | 14.4     | 30              |
| n-Nitrosodimethylamine     | 47.6                 | ND                      | 20.8              | 17.8               | 43.7         | 39.9          | 1        | 10.0-120         |              |               | 15.5     | 40              |
| n-Nitrosodiphenylamine     | 47.6                 | ND                      | 30.1              | 26.7               | 63.2         | 59.9          | 1        | 37.0-120         |              |               | 12.0     | 24              |
| n-Nitrosodi-n-propylamine  | 47.6                 | ND                      | 43.3              | 37.2               | 91.0         | 83.4          | 1        | 16.0-120         |              |               | 15.2     | 30              |
| Phenanthrene               | 47.6                 | ND                      | 31.6              | 27.3               | 66.4         | 61.2          | 1        | 33.0-120         |              |               | 14.6     | 22              |
| Benzylbutyl phthalate      | 47.6                 | ND                      | 34.1              | 29.5               | 71.6         | 66.1          | 1        | 34.0-126         |              |               | 14.5     | 24              |
| Bis(2-ethylhexyl)phthalate | 47.6                 | ND                      | 23.8              | 19.2               | 50.0         | 43.0          | 1        | 33.0-126         |              |               | 21.4     | 25              |
| Di-n-butyl phthalate       | 47.6                 | ND                      | 36.4              | 32.0               | 76.5         | 71.7          | 1        | 35.0-128         |              |               | 12.9     | 23              |
| Diethyl phthalate          | 47.6                 | ND                      | 38.6              | 34.5               | 81.1         | 77.4          | 1        | 39.0-125         |              |               | 11.2     | 24              |
| Dimethyl phthalate         | 47.6                 | ND                      | 39.5              | 34.9               | 83.0         | 78.3          | 1        | 37.0-120         |              |               | 12.4     | 24              |
| Di-n-octyl phthalate       | 47.6                 | ND                      | 23.7              | 19.2               | 49.8         | 43.0          | 1        | 25.0-135         |              |               | 21.0     | 26              |
| Pyrene                     | 47.6                 | ND                      | 31.6              | 26.7               | 66.4         | 59.9          | 1        | 39.0-120         |              |               | 16.8     | 22              |
| 1,2,4-Trichlorobenzene     | 47.6                 | ND                      | 25.8              | 22.6               | 54.2         | 50.7          | 1        | 15.0-120         |              |               | 13.2     | 31              |
| 4-Chloro-3-methylphenol    | 47.6                 | ND                      | 29.0              | 21.9               | 60.9         | 49.1          | 1        | 26.0-120         |              | J3            | 27.9     | 27              |
| 2-Chlorophenol             | 47.6                 | ND                      | 24.5              | 19.5               | 51.5         | 43.7          | 1        | 18.0-120         |              |               | 22.7     | 34              |
| 2,4-Dichlorophenol         | 47.6                 | ND                      | 27.7              | 23.1               | 58.2         | 51.8          | 1        | 19.0-120         |              |               | 18.1     | 27              |
| 2,4-Dimethylphenol         | 47.6                 | ND                      | 25.8              | 21.3               | 54.2         | 47.8          | 1        | 15.0-120         |              |               | 19.1     | 28              |
| 4,6-Dinitro-2-methylphenol | 47.6                 | ND                      | 31.2              | 28.1               | 65.5         | 63.0          | 1        | 10.0-144         |              |               | 10.5     | 39              |
| 2,4-Dinitrophenol          | 47.6                 | ND                      | 27.5              | 24.5               | 57.8         | 54.9          | 1        | 10.0-120         |              |               | 11.5     | 40              |
| 2-Nitrophenol              | 47.6                 | ND                      | 31.8              | 26.8               | 66.8         | 60.1          | 1        | 20.0-120         |              |               | 17.1     | 30              |
| 4-Nitrophenol              | 47.6                 | ND                      | 13.8              | 11.7               | 29.0         | 26.2          | 1        | 10.0-120         |              |               | 16.5     | 40              |
| Pentachlorophenol          | 47.6                 | ND                      | 19.6              | 19.0               | 41.2         | 42.6          | 1        | 10.0-128         |              |               | 3.11     | 37              |
| Phenol                     | 47.6                 | ND                      | 15.0              | 11.1               | 29.0         | 22.2          | 1        | 10.0-120         |              |               | 29.9     | 40              |
| 2,4,6-Trichlorophenol      | 47.6                 | ND                      | 33.4              | 29.0               | 70.2         | 65.0          | 1        | 26.0-120         |              |               | 14.1     | 31              |

<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

L1867309-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1867309-15 06/08/25 19:14 • (MS) R4227387-3 06/08/25 19:36 • (MSD) R4227387-4 06/08/25 19:57

| Analyte                  | Spike Amount<br>ug/l | Original Result<br>ug/l | MS Result<br>ug/l | MSD Result<br>ug/l | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|--------------------------|----------------------|-------------------------|-------------------|--------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) 2-Fluorophenol       |                      |                         |                   |                    | 34.7         | 29.9          |          | 10.0-120         |              |               |          |                 |
| (S) Phenol-d5            |                      |                         |                   |                    | 27.6         | 23.1          |          | 10.0-120         |              |               |          |                 |
| (S) Nitrobenzene-d5      |                      |                         |                   |                    | 65.7         | 61.5          |          | 10.0-127         |              |               |          |                 |
| (S) 2-Fluorobiphenyl     |                      |                         |                   |                    | 60.1         | 54.7          |          | 10.0-130         |              |               |          |                 |
| (S) 2,4,6-Tribromophenol |                      |                         |                   |                    | 61.1         | 59.0          |          | 10.0-155         |              |               |          |                 |
| (S) p-Terphenyl-d14      |                      |                         |                   |                    | 32.5         | 26.5          |          | 10.0-128         |              |               |          |                 |

<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

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

## Qualifier Description

|    |   |
|----|---|
| C3 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |
| E  | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).                     |
| 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.  |
| J4 | The associated batch QC was outside the established quality control range for accuracy.   |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high.  |

<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

| Qualifier | Description   |
|-----------|---|
| J6        | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| T8        | Sample(s) received past/too close to holding time expiration.   |
| U         | Below Detectable Limits: Indicates that the analyte was not detected.                                 |
| V         | The sample concentration is too high to evaluate accurate spike recoveries.                           |

<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

# 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.

