

CTEH - ER

Sample Delivery Group: L1862300
Samples Received: 05/23/2025
Project Number: PROJ-054017
Description: Bishop Loss of Containment Incident

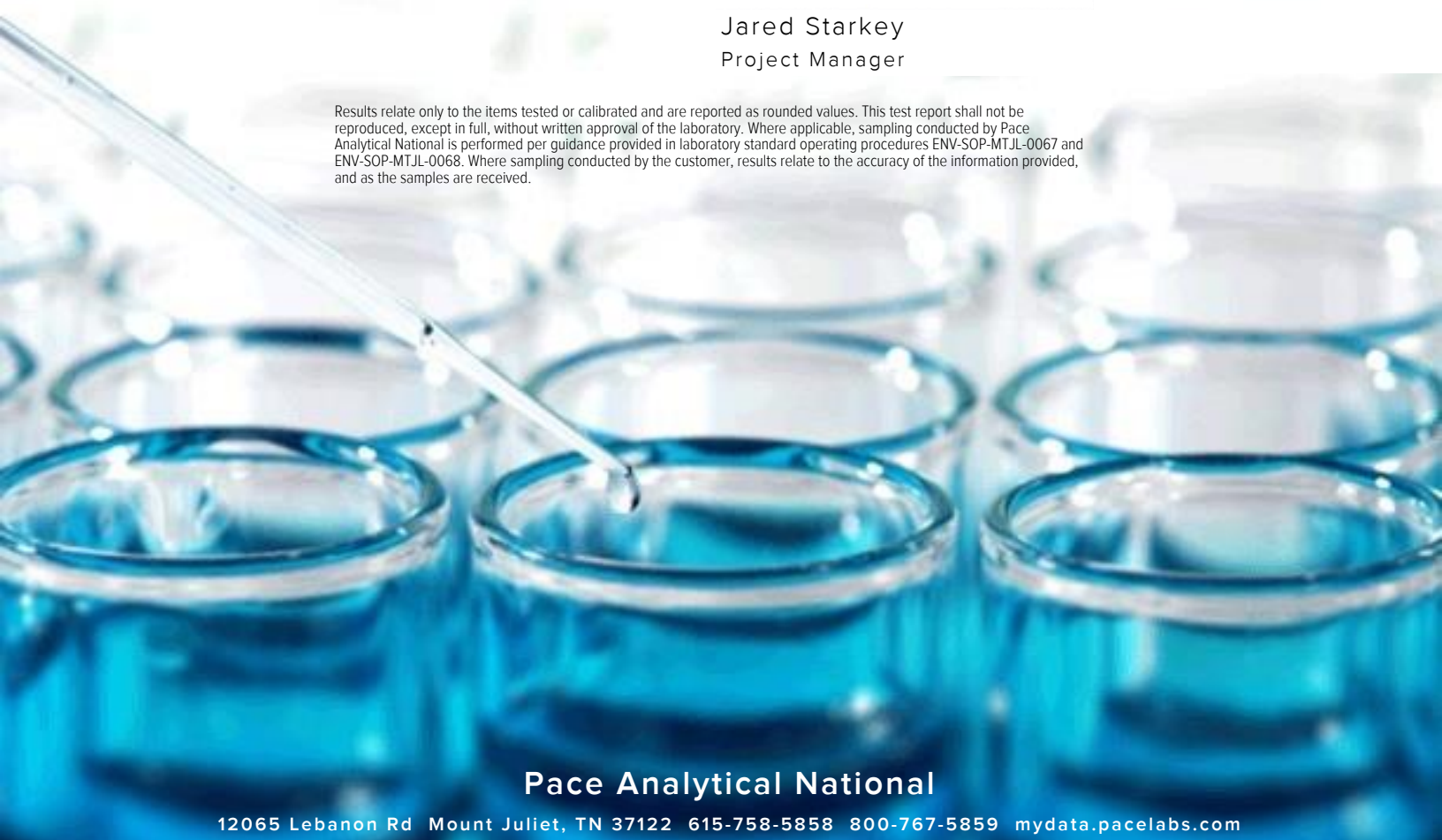
Report To: CTEH
5120 North Shore Drive
North Little Rock, AR 72118

Entire Report Reviewed By:



Jared Starkey
Project Manager









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Pace Analytical National

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SAMPLE SUMMARY

GACO0522T060S001 L1862300-01

Collected by: M. Beck
 Collected date/time: 05/22/25 16:40
 Received date/time: 05/23/25 13:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Calculated Results | WG2522313 | 1 | 05/24/25 08:08 | 05/25/25 14:33 | AEC | Mt. Juliet, TN |
| Total Solids by Method 2540 G-2011 | WG2522168 | 1 | 05/23/25 14:49 | 05/23/25 15:26 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 350.1 | WG2522569 | 1 | 05/24/25 12:04 | 05/25/25 02:48 | RTW | Mt. Juliet, TN |
| Wet Chemistry by Method 4500NOrg D-2021 | WG2522566 | 5 | 05/24/25 09:40 | 05/25/25 14:33 | AEC | Mt. Juliet, TN |
| Wet Chemistry by Method 9056A | WG2522313 | 1 | 05/24/25 08:08 | 05/24/25 13:58 | ZSA | Mt. Juliet, TN |
| Wet Chemistry by Method WALKLEY-BLACK | WG2522316 | 5 | 05/23/25 15:54 | 05/24/25 18:49 | DLS | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2522281 | 1 | 05/23/25 15:30 | 05/23/25 18:59 | JTM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2522349 | 1 | 05/23/25 14:17 | 05/24/25 02:45 | ADM | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E | WG2522312 | 2 | 05/23/25 16:08 | 05/24/25 01:24 | LS | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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 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



Wet Chemistry by Method 4500NOrg D-2021

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

| Batch | Lab Sample ID | Analytes |
|-----------|-------------------|------------------------|
| WG2522566 | (DUP) R4220359-13 | Kjeldahl Nitrogen, TKN |

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

| Batch | Lab Sample ID | Analytes |
|-----------|-----------------|------------------------|
| WG2522566 | (MS) R4220359-9 | Kjeldahl Nitrogen, TKN |

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

| Batch | Lab Sample ID | Analytes |
|-----------|------------------|------------------------|
| WG2522566 | (MSD) R4220359-7 | Kjeldahl Nitrogen, TKN |

Wet Chemistry by Method 9056A

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

| Batch | Lab Sample ID | Analytes |
|-----------|-----------------------------------|-----------------|
| WG2522313 | (MS) R4220122-3, (MSD) R4220122-4 | Nitrate-Nitrite |

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

| Batch | Lab Sample ID | Analytes |
|-----------|------------------|-----------------|
| WG2522313 | (MSD) R4220122-4 | Nitrate-Nitrite |

Wet Chemistry by Method WALKLEY-BLACK

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

| Batch | Lab Sample ID | Analytes |
|-----------|-----------------------------------|----------------------|
| WG2522316 | (MS) R4220183-4, (MSD) R4220183-5 | TOC By Walkley Black |

Metals (ICP) by Method 6010D

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

| Batch | Lab Sample ID | Analytes |
|-----------|-----------------|------------------------|
| WG2522281 | (MS) R4219851-5 | Aluminum and Manganese |

CASE NARRATIVE

Metals (ICP) by Method 6010D

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

| Batch | Lab Sample ID | Analytes |
|-----------|-----------------------------------|------------------------|
| WG2522281 | (MS) R4219851-5, (MSD) R4219851-6 | Antimony and Manganese |

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

| Batch | Lab Sample ID | Analytes |
|-----------|------------------|----------|
| WG2522281 | (MSD) R4219851-6 | Iron |

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

| Batch | Lab Sample ID | Analytes |
|-----------|------------------|--------------------|
| WG2522281 | (MSD) R4219851-6 | Iron and Manganese |

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 |
|-----------|---------------|---|
| WG2522349 | L1862300-01 | 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Hexachloro-1,3-butadiene |

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

| Batch | Lab Sample ID | Analytes |
|-----------|--------------------------------|---|
| WG2522349 | (LCSD) R4219970-2, L1862300-01 | 1,1-Dichloroethene, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), Acetone, Acrylonitrile, Chloromethane and Hexachloro-1,3-butadiene |

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

The initial calibration verification standard (SSCV) associated with this data responded high.

| Batch | Lab Sample ID | Analytes |
|-----------|---------------|---------------------------|
| WG2522312 | L1862300-01 | Hexachlorocyclopentadiene |

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 |
|-----------|---------------|-------------------|
| WG2522312 | L1862300-01 | Pentachlorophenol |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Calculated Results

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|----------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Total Nitrogen | 136000 | | 23800 | 1 | 05/25/2025 14:33 | WG2522313 |

Total Solids by Method 2540 G-2011

| Analyte | Result % | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|-------------|-----------|----------|-------------------------|---------------------------|
| Total Solids | 84.1 | | 1 | 05/23/2025 15:26 | WG2522168 |

Wet Chemistry by Method 350.1

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Ammonia Nitrogen | ND | | 11900 | 1 | 05/25/2025 02:48 | WG2522569 |

Wet Chemistry by Method 4500NOrg D-2021

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|------------------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Kjeldahl Nitrogen, TKN | 136000 | | 119000 | 5 | 05/25/2025 14:33 | WG2522566 |

Wet Chemistry by Method 9056A

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|-----------------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Nitrate-Nitrite | ND | | 23800 | 1 | 05/24/2025 13:58 | WG2522313 |

Wet Chemistry by Method WALKLEY-BLACK

| Analyte | Result ug/kg | Qualifier | RDL ug/kg | Dilution | Analysis date / time | Batch |
|----------------------|-----------------|-----------|--------------|----------|-------------------------|---------------------------|
| TOC By Walkley Black | 950000 | | 500000 | 5 | 05/24/2025 18:49 | WG2522316 |

Metals (ICP) by Method 6010D

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|-----------|-----------------------|-----------|--------------------|----------|-------------------------|---------------------------|
| Aluminum | 1990000 | | 23800 | 1 | 05/23/2025 18:59 | WG2522281 |
| Antimony | ND | | 2380 | 1 | 05/23/2025 18:59 | WG2522281 |
| Beryllium | 520 | | 238 | 1 | 05/23/2025 18:59 | WG2522281 |
| Calcium | 16700000 | | 119000 | 1 | 05/23/2025 18:59 | WG2522281 |
| Chromium | 2230 | | 1190 | 1 | 05/23/2025 18:59 | WG2522281 |
| Cobalt | 3180 | | 1190 | 1 | 05/23/2025 18:59 | WG2522281 |
| Iron | 5660000 | | 11900 | 1 | 05/23/2025 18:59 | WG2522281 |
| Magnesium | 5700000 | | 119000 | 1 | 05/23/2025 18:59 | WG2522281 |
| Manganese | 229000 | | 1190 | 1 | 05/23/2025 18:59 | WG2522281 |
| Potassium | 542000 | | 119000 | 1 | 05/23/2025 18:59 | WG2522281 |
| Sodium | 226000 | | 119000 | 1 | 05/23/2025 18:59 | WG2522281 |
| Thallium | ND | | 2380 | 1 | 05/23/2025 18:59 | WG2522281 |
| Vanadium | 5290 | | 2380 | 1 | 05/23/2025 18:59 | WG2522281 |

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

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|----------------------|-----------------------|--------------------|--------------------|----------|-------------------------|---------------------------|
| Acetone | ND | J3 | 69.0 | 1 | 05/24/2025 02:45 | WG2522349 |
| Acrylonitrile | ND | J3 | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| Bromobenzene | ND | | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| Bromodichloromethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Bromoform | ND | | 34.5 | 1 | 05/24/2025 02:45 | WG2522349 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

| Analyte | Result (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|--------------------------------|-----------------------|-----------|--------------------|----------|-------------------------|-----------|
| Bromomethane | ND | | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| n-Butylbenzene | ND | | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| sec-Butylbenzene | ND | | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| tert-Butylbenzene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| Carbon tetrachloride | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| Chlorobenzene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Chlorodibromomethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Chloroethane | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| Chloroform | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Chloromethane | ND | J3 | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| 2-Chlorotoluene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 4-Chlorotoluene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2-Dibromo-3-Chloropropane | ND | J3 | 34.5 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2-Dibromoethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Dibromomethane | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2-Dichlorobenzene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,3-Dichlorobenzene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,4-Dichlorobenzene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| Dichlorodifluoromethane | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1-Dichloroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2-Dichloroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1-Dichloroethene | ND | J3 | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| cis-1,2-Dichloroethene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| trans-1,2-Dichloroethene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2-Dichloropropane | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1-Dichloropropene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,3-Dichloropropane | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| cis-1,3-Dichloropropene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| trans-1,3-Dichloropropene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 2,2-Dichloropropane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Di-isopropyl ether | ND | | 1.38 | 1 | 05/24/2025 02:45 | WG2522349 |
| Hexachloro-1,3-butadiene | ND | C3 J3 | 34.5 | 1 | 05/24/2025 02:45 | WG2522349 |
| Isopropylbenzene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| p-Isopropyltoluene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| 2-Butanone (MEK) | ND | J3 | 138 | 1 | 05/24/2025 02:45 | WG2522349 |
| Methylene Chloride | ND | | 34.5 | 1 | 05/24/2025 02:45 | WG2522349 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 34.5 | 1 | 05/24/2025 02:45 | WG2522349 |
| Methyl tert-butyl ether | ND | | 1.38 | 1 | 05/24/2025 02:45 | WG2522349 |
| n-Propylbenzene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| Styrene | ND | | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1,1,2-Tetrachloroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1,2,2-Tetrachloroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1,2-Trichlorotrifluoroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Tetrachloroethene | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2,3-Trichlorobenzene | ND | C3 | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2,4-Trichlorobenzene | ND | C3 | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1,1-Trichloroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,1,2-Trichloroethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| Trichloroethene | ND | | 1.38 | 1 | 05/24/2025 02:45 | WG2522349 |
| Trichlorofluoromethane | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2,3-Trichloropropane | ND | | 17.2 | 1 | 05/24/2025 02:45 | WG2522349 |
| 1,2,3-Trimethylbenzene | ND | | 6.90 | 1 | 05/24/2025 02:45 | WG2522349 |
| Vinyl chloride | ND | | 3.45 | 1 | 05/24/2025 02:45 | WG2522349 |
| (S) Toluene-d8 | 99.1 | | 75.0-131 | | 05/24/2025 02:45 | WG2522349 |
| (S) 4-Bromofluorobenzene | 103 | | 67.0-138 | | 05/24/2025 02:45 | WG2522349 |
| (S) 1,2-Dichloroethane-d4 | 100 | | 70.0-130 | | 05/24/2025 02:45 | WG2522349 |

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 (dry) ug/kg | Qualifier | RDL (dry) ug/kg | Dilution | Analysis date / time | Batch |
|-----------------------------|-----------------------|-----------|--------------------|----------|-------------------------|-----------|
| Acenaphthylene | ND | | 79.2 | 2 | 05/24/2025 01:24 | WG2522312 |
| Benzdine | ND | | 3970 | 2 | 05/24/2025 01:24 | WG2522312 |
| Benzo(g,h,i)perylene | ND | | 79.2 | 2 | 05/24/2025 01:24 | WG2522312 |
| Bis(2-chlorethoxy)methane | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Bis(2-chloroethyl)ether | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,2-Oxybis(1-Chloropropane) | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 4-Bromophenyl-phenylether | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2-Chloronaphthalene | ND | | 79.2 | 2 | 05/24/2025 01:24 | WG2522312 |
| 4-Chlorophenyl-phenylether | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 1,2-Dichlorobenzene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 1,3-Dichlorobenzene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 1,4-Dichlorobenzene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 3,3-Dichlorobenzidine | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,4-Dinitrotoluene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,6-Dinitrotoluene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Hexachlorobenzene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Hexachloro-1,3-butadiene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Hexachlorocyclopentadiene | ND | C7 | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Hexachloroethane | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Isophorone | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Nitrobenzene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| n-Nitrosodimethylamine | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| n-Nitrosodiphenylamine | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| n-Nitrosodi-n-propylamine | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Phenanthrene | ND | | 79.2 | 2 | 05/24/2025 01:24 | WG2522312 |
| Benzylbutyl phthalate | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Bis(2-ethylhexyl)phthalate | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Di-n-butyl phthalate | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Diethyl phthalate | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Dimethyl phthalate | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Di-n-octyl phthalate | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 1,2,4-Trichlorobenzene | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 4-Chloro-3-methylphenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2-Chlorophenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,4-Dichlorophenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,4-Dimethylphenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 4,6-Dinitro-2-methylphenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,4-Dinitrophenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2-Nitrophenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 4-Nitrophenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Pentachlorophenol | ND | C3 | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| Phenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| 2,4,6-Trichlorophenol | ND | | 792 | 2 | 05/24/2025 01:24 | WG2522312 |
| (S) 2-Fluorophenol | 85.4 | | 12.0-120 | | 05/24/2025 01:24 | WG2522312 |
| (S) Phenol-d5 | 80.0 | | 10.0-120 | | 05/24/2025 01:24 | WG2522312 |
| (S) Nitrobenzene-d5 | 78.6 | | 10.0-122 | | 05/24/2025 01:24 | WG2522312 |
| (S) 2-Fluorobiphenyl | 74.6 | | 15.0-120 | | 05/24/2025 01:24 | WG2522312 |
| (S) 2,4,6-Tribromophenol | 80.0 | | 10.0-127 | | 05/24/2025 01:24 | WG2522312 |
| (S) p-Terphenyl-d14 | 83.0 | | 10.0-120 | | 05/24/2025 01:24 | WG2522312 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1862300-01 WG2522312: Dilution due to matrix impact during extract concentration procedure

Method Blank (MB)

(MB) R4219977-1 05/23/25 15:26

| Analyte | MB Result % | <u>MB Qualifier</u> | MB MDL % | MB RDL % |
|--------------|----------------|---------------------|-------------|-------------|
| Total Solids | 0.000 | | | |

¹Cp

²Tc

³Ss

L1862297-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862297-01 05/23/25 15:26 • (DUP) R4219977-3 05/23/25 15:26

| Analyte | Original Result % | DUP Result % | Dilution | DUP RPD % | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|----------------------|-----------------|----------|--------------|----------------------|-------------------|
| Total Solids | 91.2 | 91.4 | 1 | 0.167 | | 10 |

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4219977-2 05/23/25 15:26

| Analyte | Spike Amount % | LCS Result % | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|--------------|-------------------|-----------------|---------------|------------------|----------------------|
| Total Solids | 50.0 | 50.0 | 100 | 90.0-110 | |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4220235-1 05/25/25 02:20

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------|-----------|--------------|--------|--------|
| Ammonia Nitrogen | U | | 7190 | 10000 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1861761-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1861761-19 05/25/25 02:23 • (DUP) R4220235-3 05/25/25 02:24

| Analyte | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------------|------------------|----------|---------|---------------|----------------|
| Ammonia Nitrogen | ND | ND | 1 | 0.000 | | 20 |

L1862298-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1862298-04 05/25/25 02:44 • (DUP) R4220235-6 05/25/25 02:45

| Analyte | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------|-----------------------|------------------|----------|---------|---------------|----------------|
| Ammonia Nitrogen | ND | ND | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R4220235-2 05/25/25 02:21

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------|--------------|------------|----------|-------------|---------------|
| Ammonia Nitrogen | 250000 | 242000 | 96.9 | 90.0-110 | |

L1862239-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862239-19 05/25/25 02:33 • (MS) R4220235-4 05/25/25 02:39 • (MSD) R4220235-5 05/25/25 02:41

| Analyte | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|------------------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Ammonia Nitrogen | 282000 | ND | 285000 | 278000 | 101 | 98.9 | 1 | 90.0-110 | | | 2.42 | 20 |

Method Blank (MB)

(MB) R4220359-1 05/25/25 14:15

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|------------------------|-----------|--------------|--------|--------|
| Kjeldahl Nitrogen, TKN | U | | 15200 | 20000 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1862324-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1862324-04 05/25/25 14:43 • (DUP) R4220359-11 05/25/25 14:45

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Kjeldahl Nitrogen, TKN | 1750000 | 1950000 | 5 | 11.1 | | 20 |

L1862324-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1862324-05 05/25/25 14:46 • (DUP) R4220359-13 05/25/25 14:47

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|------------------------|-----------------|------------|----------|---------|---------------|----------------|
| Kjeldahl Nitrogen, TKN | 867000 | 1070000 | 5 | 20.8 | J3 | 20 |

Laboratory Control Sample (LCS)

(LCS) R4220359-3 05/25/25 14:15

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|------------------------|--------------|------------|----------|-------------|---------------|
| Kjeldahl Nitrogen, TKN | 480000 | 498000 | 104 | 81.7-124 | |

L1862239-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862239-19 05/25/25 14:17 • (MS) R4220359-5 05/25/25 14:17 • (MSD) R4220359-7 05/25/25 14:19

| Analyte | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|------------------------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Kjeldahl Nitrogen, TKN | 451000 | 698000 | 1080000 | 1020000 | 85.1 | 71.5 | 5 | 81.7-124 | | J6 | 5.86 | 20 |

L1862324-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1862324-03 05/25/25 14:40 • (MS) R4220359-9 05/25/25 14:42

| Analyte | Spike Amount ug/kg | Original Result ug/kg | MS Result ug/kg | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|------------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Kjeldahl Nitrogen, TKN | 400000 | 1590000 | 2320000 | 182 | 5 | 81.7-124 | <u>J5</u> |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4220122-1 05/24/25 08:48

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------------|-----------|------------------------------------|--------|--------|
| Nitrate-Nitrite | 684 | J | 606 | 20000 |

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R4220122-2 05/24/25 09:01

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-----------------|--------------|------------|----------|-------------|---------------|
| Nitrate-Nitrite | 40000 | 34800 | 87.1 | 80.0-120 | |

⁴Cn

⁵Sr

L1862234-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862234-03 05/24/25 09:15 • (MS) R4220122-3 05/24/25 09:28 • (MSD) R4220122-4 05/24/25 09:42

| Analyte | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|-----------------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|-------------------------------------|--|------|------------|
| Nitrate-Nitrite | 42800 | ND | 29300 | 23800 | 68.4 | 55.6 | 1 | 80.0-120 | J6 | J3 J6 | 20.8 | 15 |

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4220183-1 05/24/25 18:39

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------|-----------|--------------|--------|--------|
| TOC By Walkley Black | U | | 25500 | 100000 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1862239-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1862239-07 05/24/25 18:43 • (DUP) R4220183-3 05/24/25 18:43

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| TOC By Walkley Black | 11500000 | 12700000 | 5 | 10.1 | | 20 |

L1862304-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1862304-01 05/24/25 18:49 • (DUP) R4220183-6 05/24/25 18:49

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------------------|-----------------|------------|----------|---------|---------------|----------------|
| TOC By Walkley Black | 8320000 | 10000000 | 9 | 18.3 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R4220183-2 05/24/25 18:40

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------------------|--------------|------------|----------|-------------|---------------|
| TOC By Walkley Black | 3230000 | 4210000 | 130 | 75.0-144 | |

L1862298-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862298-01 05/24/25 18:46 • (MS) R4220183-4 05/24/25 18:46 • (MSD) R4220183-5 05/24/25 18:46

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|----------------------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| TOC By Walkley Black | 20000000 | ND | 24500000 | 24700000 | 123 | 124 | 5 | 80.0-120 | <u>J5</u> | <u>J5</u> | 0.775 | 20 |

Method Blank (MB)

(MB) R4219851-1 05/23/25 19:08

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|-----------|-----------|--------------|--------|--------|
| | ug/kg | | ug/kg | ug/kg |
| Aluminum | U | | 6080 | 20000 |
| Antimony | U | | 691 | 2000 |
| Beryllium | U | | 47.7 | 200 |
| Calcium | U | | 19000 | 100000 |
| Chromium | U | | 214 | 1000 |
| Cobalt | U | | 177 | 1000 |
| Iron | U | | 2240 | 10000 |
| Magnesium | U | | 19900 | 100000 |
| Manganese | U | | 173 | 1000 |
| Potassium | U | | 20900 | 100000 |
| Sodium | U | | 41200 | 100000 |
| Thallium | U | | 518 | 2000 |
| Vanadium | U | | 383 | 2000 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4219851-2 05/23/25 19:10

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-----------|--------------|------------|----------|-------------|---------------|
| | ug/kg | ug/kg | % | % | |
| Aluminum | 1000000 | 957000 | 95.7 | 80.0-120 | |
| Antimony | 100000 | 90600 | 90.6 | 80.0-120 | |
| Beryllium | 100000 | 91000 | 91.0 | 80.0-120 | |
| Calcium | 1000000 | 944000 | 94.4 | 80.0-120 | |
| Chromium | 100000 | 85600 | 85.6 | 80.0-120 | |
| Cobalt | 100000 | 88400 | 88.4 | 80.0-120 | |
| Iron | 1000000 | 937000 | 93.7 | 80.0-120 | |
| Magnesium | 1000000 | 904000 | 90.4 | 80.0-120 | |
| Manganese | 100000 | 92900 | 92.9 | 80.0-120 | |
| Potassium | 1000000 | 947000 | 94.7 | 80.0-120 | |
| Sodium | 1000000 | 968000 | 96.8 | 80.0-120 | |
| Thallium | 100000 | 96000 | 96.0 | 80.0-120 | |
| Vanadium | 100000 | 90700 | 90.7 | 80.0-120 | |

L1862304-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862304-02 05/23/25 19:11 • (MS) R4219851-5 05/23/25 19:17 • (MSD) R4219851-6 05/23/25 19:18

| Analyte | Spike Amount (dry) ug/kg | Original Result (dry) ug/kg | MS Result (dry) ug/kg | MSD Result (dry) ug/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|-----------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Aluminum | 1400000 | 4830000 | 6660000 | 6060000 | 130 | 87.4 | 1 | 75.0-125 | J5 | | 9.47 | 20 |
| Antimony | 140000 | ND | 100000 | 117000 | 71.3 | 83.0 | 1 | 75.0-125 | J6 | | 15.1 | 20 |
| Beryllium | 140000 | 626 | 124000 | 134000 | 88.1 | 95.2 | 1 | 75.0-125 | | | 7.71 | 20 |
| Calcium | 1400000 | 3510000 | 4970000 | 4980000 | 104 | 104 | 1 | 75.0-125 | | | 0.154 | 20 |
| Chromium | 140000 | 5200 | 125000 | 137000 | 85.7 | 94.1 | 1 | 75.0-125 | | | 9.02 | 20 |
| Cobalt | 140000 | 4440 | 128000 | 141000 | 87.9 | 97.0 | 1 | 75.0-125 | | | 9.54 | 20 |
| Iron | 1400000 | 9580000 | 10900000 | 8640000 | 97.3 | 0.000 | 1 | 75.0-125 | | J3 V | 23.5 | 20 |
| Magnesium | 1400000 | 1930000 | 3270000 | 3200000 | 95.5 | 90.4 | 1 | 75.0-125 | | | 2.23 | 20 |
| Manganese | 140000 | 324000 | 596000 | 402000 | 193 | 55.5 | 1 | 75.0-125 | J5 | J3 J6 | 38.8 | 20 |
| Potassium | 1400000 | 1620000 | 2910000 | 2850000 | 92.2 | 87.5 | 1 | 75.0-125 | | | 2.30 | 20 |
| Sodium | 1400000 | ND | 1410000 | 1500000 | 94.4 | 100 | 1 | 75.0-125 | | | 5.86 | 20 |
| Thallium | 140000 | ND | 129000 | 143000 | 91.9 | 102 | 1 | 75.0-125 | | | 10.4 | 20 |
| Vanadium | 140000 | 15200 | 138000 | 145000 | 87.8 | 92.7 | 1 | 75.0-125 | | | 4.93 | 20 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4219970-3 05/23/25 22:37

| Analyte | MB Result ug/kg | MB Qualifier | MB MDL ug/kg | MB RDL ug/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| Acetone | U | | 36.5 | 50.0 |
| Acrylonitrile | U | | 3.61 | 12.5 |
| Bromobenzene | U | | 0.900 | 12.5 |
| Bromodichloromethane | U | | 0.725 | 2.50 |
| Bromoform | U | | 1.17 | 25.0 |
| Bromomethane | U | | 1.97 | 12.5 |
| n-Butylbenzene | U | | 5.25 | 12.5 |
| sec-Butylbenzene | U | | 2.88 | 12.5 |
| tert-Butylbenzene | U | | 1.95 | 5.00 |
| Carbon tetrachloride | U | | 0.898 | 5.00 |
| Chlorobenzene | U | | 0.210 | 2.50 |
| Chlorodibromomethane | U | | 0.612 | 2.50 |
| Chloroethane | U | | 1.70 | 5.00 |
| Chloroform | U | | 1.03 | 2.50 |
| Chloromethane | U | | 4.35 | 12.5 |
| 2-Chlorotoluene | U | | 0.865 | 2.50 |
| 4-Chlorotoluene | U | | 0.450 | 5.00 |
| 1,2-Dibromo-3-Chloropropane | U | | 3.90 | 25.0 |
| 1,2-Dibromoethane | U | | 0.648 | 2.50 |
| Dibromomethane | U | | 0.750 | 5.00 |
| 1,2-Dichlorobenzene | U | | 0.425 | 5.00 |
| 1,3-Dichlorobenzene | U | | 0.600 | 5.00 |
| 1,4-Dichlorobenzene | U | | 0.700 | 5.00 |
| Dichlorodifluoromethane | U | | 1.61 | 5.00 |
| 1,1-Dichloroethane | U | | 0.491 | 2.50 |
| 1,2-Dichloroethane | U | | 0.649 | 2.50 |
| 1,1-Dichloroethene | U | | 0.606 | 2.50 |
| cis-1,2-Dichloroethene | U | | 0.734 | 2.50 |
| trans-1,2-Dichloroethene | U | | 1.04 | 5.00 |
| 1,2-Dichloropropane | U | | 1.42 | 5.00 |
| 1,1-Dichloropropene | U | | 0.809 | 2.50 |
| 1,3-Dichloropropane | U | | 0.501 | 5.00 |
| cis-1,3-Dichloropropene | U | | 0.757 | 2.50 |
| trans-1,3-Dichloropropene | U | | 1.14 | 5.00 |
| 2,2-Dichloropropane | U | | 1.38 | 2.50 |
| Di-isopropyl ether | U | | 0.410 | 1.00 |
| Hexachloro-1,3-butadiene | U | | 6.00 | 25.0 |
| Isopropylbenzene | U | | 0.425 | 2.50 |
| p-Isopropyltoluene | U | | 2.55 | 5.00 |
| 2-Butanone (MEK) | U | | 63.5 | 100 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

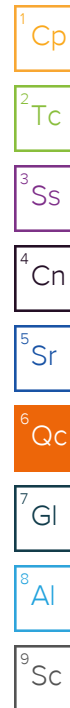
⁸Al

⁹Sc

Method Blank (MB)

(MB) R4219970-3 05/23/25 22:37

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------------------------|-----------|--------------|--------|----------|
| | ug/kg | | ug/kg | ug/kg |
| Methylene Chloride | U | | 6.64 | 25.0 |
| 4-Methyl-2-pentanone (MIBK) | U | | 2.28 | 25.0 |
| Methyl tert-butyl ether | U | | 0.350 | 1.00 |
| n-Propylbenzene | U | | 0.950 | 5.00 |
| Styrene | U | | 0.229 | 12.5 |
| 1,1,1,2-Tetrachloroethane | U | | 0.948 | 2.50 |
| 1,1,2,2-Tetrachloroethane | U | | 0.695 | 2.50 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.754 | 2.50 |
| Tetrachloroethene | U | | 0.896 | 2.50 |
| 1,2,3-Trichlorobenzene | U | | 7.33 | 12.5 |
| 1,2,4-Trichlorobenzene | U | | 4.40 | 12.5 |
| 1,1,1-Trichloroethane | U | | 0.923 | 2.50 |
| 1,1,2-Trichloroethane | U | | 0.597 | 2.50 |
| Trichloroethene | U | | 0.584 | 1.00 |
| Trichlorofluoromethane | U | | 0.827 | 2.50 |
| 1,2,3-Trichloropropane | U | | 1.62 | 12.5 |
| 1,2,3-Trimethylbenzene | U | | 1.58 | 5.00 |
| Vinyl chloride | U | | 1.16 | 2.50 |
| (S) Toluene-d8 | 101 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 97.7 | | | 70.0-130 |



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

(LCS) R4219970-1 05/23/25 21:02 • (LCSD) R4219970-2 05/23/25 21:21

| Analyte | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD | RPD Limits |
|----------------------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| | ug/kg | ug/kg | ug/kg | % | % | % | | | % | % |
| Acetone | 625 | 619 | 944 | 99.0 | 151 | 10.0-160 | | J3 | 41.6 | 31 |
| Acrylonitrile | 625 | 680 | 927 | 109 | 148 | 45.0-153 | | J3 | 30.7 | 22 |
| Bromobenzene | 125 | 114 | 114 | 91.2 | 91.2 | 73.0-121 | | | 0.000 | 20 |
| Bromodichloromethane | 125 | 114 | 127 | 91.2 | 102 | 73.0-121 | | | 10.8 | 20 |
| Bromoform | 125 | 107 | 123 | 85.6 | 98.4 | 64.0-132 | | | 13.9 | 20 |
| Bromomethane | 125 | 132 | 138 | 106 | 110 | 56.0-147 | | | 4.44 | 20 |
| n-Butylbenzene | 125 | 106 | 116 | 84.8 | 92.8 | 68.0-135 | | | 9.01 | 20 |
| sec-Butylbenzene | 125 | 116 | 124 | 92.8 | 99.2 | 74.0-130 | | | 6.67 | 20 |
| tert-Butylbenzene | 125 | 114 | 121 | 91.2 | 96.8 | 75.0-127 | | | 5.96 | 20 |
| Carbon tetrachloride | 125 | 110 | 133 | 88.0 | 106 | 66.0-128 | | | 18.9 | 20 |
| Chlorobenzene | 125 | 110 | 119 | 88.0 | 95.2 | 76.0-128 | | | 7.86 | 20 |
| Chlorodibromomethane | 125 | 119 | 128 | 95.2 | 102 | 74.0-127 | | | 7.29 | 20 |

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

(LCS) R4219970-1 05/23/25 21:02 • (LCSD) R4219970-2 05/23/25 21:21

| Analyte | Spike Amount ug/kg | LCS Result ug/kg | LCSD Result ug/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|--------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| Chloroethane | 125 | 114 | 132 | 91.2 | 106 | 61.0-134 | | | 14.6 | 20 |
| Chloroform | 125 | 114 | 132 | 91.2 | 106 | 72.0-123 | | | 14.6 | 20 |
| Chloromethane | 125 | 102 | 125 | 81.6 | 100 | 51.0-138 | | J3 | 20.3 | 20 |
| 2-Chlorotoluene | 125 | 112 | 114 | 89.6 | 91.2 | 75.0-124 | | | 1.77 | 20 |
| 4-Chlorotoluene | 125 | 116 | 119 | 92.8 | 95.2 | 75.0-124 | | | 2.55 | 20 |
| 1,2-Dibromo-3-Chloropropane | 125 | 113 | 140 | 90.4 | 112 | 59.0-130 | | J3 | 21.3 | 20 |
| 1,2-Dibromoethane | 125 | 115 | 123 | 92.0 | 98.4 | 74.0-128 | | | 6.72 | 20 |
| Dibromomethane | 125 | 113 | 127 | 90.4 | 102 | 75.0-122 | | | 11.7 | 20 |
| 1,2-Dichlorobenzene | 125 | 108 | 115 | 86.4 | 92.0 | 76.0-124 | | | 6.28 | 20 |
| 1,3-Dichlorobenzene | 125 | 110 | 116 | 88.0 | 92.8 | 76.0-125 | | | 5.31 | 20 |
| 1,4-Dichlorobenzene | 125 | 101 | 109 | 80.8 | 87.2 | 77.0-121 | | | 7.62 | 20 |
| Dichlorodifluoromethane | 125 | 134 | 158 | 107 | 126 | 43.0-156 | | | 16.4 | 20 |
| 1,1-Dichloroethane | 125 | 115 | 134 | 92.0 | 107 | 70.0-127 | | | 15.3 | 20 |
| 1,2-Dichloroethane | 125 | 105 | 118 | 84.0 | 94.4 | 65.0-131 | | | 11.7 | 20 |
| 1,1-Dichloroethene | 125 | 114 | 141 | 91.2 | 113 | 65.0-131 | | J3 | 21.2 | 20 |
| cis-1,2-Dichloroethene | 125 | 112 | 136 | 89.6 | 109 | 73.0-125 | | | 19.4 | 20 |
| trans-1,2-Dichloroethene | 125 | 115 | 138 | 92.0 | 110 | 71.0-125 | | | 18.2 | 20 |
| 1,2-Dichloropropane | 125 | 118 | 129 | 94.4 | 103 | 74.0-125 | | | 8.91 | 20 |
| 1,1-Dichloropropene | 125 | 108 | 126 | 86.4 | 101 | 73.0-125 | | | 15.4 | 20 |
| 1,3-Dichloropropane | 125 | 114 | 119 | 91.2 | 95.2 | 80.0-125 | | | 4.29 | 20 |
| cis-1,3-Dichloropropene | 125 | 115 | 125 | 92.0 | 100 | 76.0-127 | | | 8.33 | 20 |
| trans-1,3-Dichloropropene | 125 | 115 | 120 | 92.0 | 96.0 | 73.0-127 | | | 4.26 | 20 |
| 2,2-Dichloropropane | 125 | 135 | 156 | 108 | 125 | 59.0-135 | | | 14.4 | 20 |
| Di-isopropyl ether | 125 | 112 | 131 | 89.6 | 105 | 60.0-136 | | | 15.6 | 20 |
| Hexachloro-1,3-butadiene | 125 | 92.4 | 118 | 73.9 | 94.4 | 57.0-150 | | J3 | 24.3 | 20 |
| Isopropylbenzene | 125 | 112 | 126 | 89.6 | 101 | 72.0-127 | | | 11.8 | 20 |
| p-Isopropyltoluene | 125 | 116 | 128 | 92.8 | 102 | 72.0-133 | | | 9.84 | 20 |
| 2-Butanone (MEK) | 625 | 613 | 944 | 98.1 | 151 | 30.0-160 | | J3 | 42.5 | 24 |
| Methylene Chloride | 125 | 123 | 142 | 98.4 | 114 | 68.0-123 | | | 14.3 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 625 | 649 | 755 | 104 | 121 | 56.0-143 | | | 15.1 | 20 |
| Methyl tert-butyl ether | 125 | 126 | 148 | 101 | 118 | 66.0-132 | | | 16.1 | 20 |
| n-Propylbenzene | 125 | 111 | 115 | 88.8 | 92.0 | 74.0-126 | | | 3.54 | 20 |
| Styrene | 125 | 111 | 120 | 88.8 | 96.0 | 72.0-127 | | | 7.79 | 20 |
| 1,1,1,2-Tetrachloroethane | 125 | 114 | 128 | 91.2 | 102 | 74.0-129 | | | 11.6 | 20 |
| 1,1,2,2-Tetrachloroethane | 125 | 114 | 126 | 91.2 | 101 | 68.0-128 | | | 10.0 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 125 | 118 | 137 | 94.4 | 110 | 61.0-139 | | | 14.9 | 20 |
| Tetrachloroethene | 125 | 112 | 121 | 89.6 | 96.8 | 70.0-136 | | | 7.73 | 20 |
| 1,2,3-Trichlorobenzene | 125 | 94.3 | 115 | 75.4 | 92.0 | 59.0-139 | | | 19.8 | 20 |
| 1,2,4-Trichlorobenzene | 125 | 99.1 | 116 | 79.3 | 92.8 | 62.0-137 | | | 15.7 | 20 |
| 1,1,1-Trichloroethane | 125 | 117 | 139 | 93.6 | 111 | 69.0-126 | | | 17.2 | 20 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4219970-1 05/23/25 21:02 • (LCSD) R4219970-2 05/23/25 21:21

| Analyte | Spike Amount ug/kg | LCS Result ug/kg | LCSD Result ug/kg | LCS Rec. % | LCSD Rec. % | Rec. Limits % | <u>LCS Qualifier</u> | <u>LCSD Qualifier</u> | RPD % | RPD Limits % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|----------------------|-----------------------|----------|-----------------|
| 1,1,2-Trichloroethane | 125 | 119 | 122 | 95.2 | 97.6 | 78.0-123 | | | 2.49 | 20 |
| Trichloroethene | 125 | 114 | 123 | 91.2 | 98.4 | 76.0-126 | | | 7.59 | 20 |
| Trichlorofluoromethane | 125 | 117 | 135 | 93.6 | 108 | 61.0-142 | | | 14.3 | 20 |
| 1,2,3-Trichloropropane | 125 | 123 | 133 | 98.4 | 106 | 67.0-129 | | | 7.81 | 20 |
| 1,2,3-Trimethylbenzene | 125 | 106 | 113 | 84.8 | 90.4 | 74.0-124 | | | 6.39 | 20 |
| Vinyl chloride | 125 | 117 | 135 | 93.6 | 108 | 63.0-134 | | | 14.3 | 20 |
| (S) Toluene-d8 | | | | 100 | 97.3 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 101 | 106 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 96.8 | 104 | 70.0-130 | | | | |

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4220055-2 05/23/25 23:17

| Analyte | MB Result ug/kg | MB Qualifier | MB MDL ug/kg | MB RDL ug/kg |
|-----------------------------|--------------------|--------------|-----------------|-----------------|
| Acenaphthylene | U | | 4.69 | 33.3 |
| Benzidine | U | | 62.6 | 1670 |
| Benzo(g,h,i)perylene | U | | 6.09 | 33.3 |
| Bis(2-chlorethoxy)methane | U | | 10.0 | 333 |
| Bis(2-chloroethyl)ether | U | | 11.0 | 333 |
| 2,2-Oxybis(1-Chloropropane) | U | | 14.4 | 333 |
| 4-Bromophenyl-phenylether | U | | 11.7 | 333 |
| 2-Chloronaphthalene | U | | 5.85 | 33.3 |
| 4-Chlorophenyl-phenylether | U | | 11.6 | 333 |
| 1,2-Dichlorobenzene | U | | 9.87 | 333 |
| 1,3-Dichlorobenzene | U | | 10.1 | 333 |
| 1,4-Dichlorobenzene | U | | 9.91 | 333 |
| 3,3-Dichlorobenzidine | U | | 12.3 | 333 |
| 2,4-Dinitrotoluene | U | | 9.55 | 333 |
| 2,6-Dinitrotoluene | U | | 10.9 | 333 |
| Hexachlorobenzene | U | | 11.8 | 333 |
| Hexachloro-1,3-butadiene | U | | 11.2 | 333 |
| Hexachlorocyclopentadiene | U | | 17.5 | 333 |
| Hexachloroethane | U | | 13.1 | 333 |
| Isophorone | U | | 10.2 | 333 |
| Nitrobenzene | U | | 11.6 | 333 |
| n-Nitrosodimethylamine | U | | 49.4 | 333 |
| n-Nitrosodiphenylamine | U | | 25.2 | 333 |
| n-Nitrosodi-n-propylamine | U | | 11.1 | 333 |
| Phenanthrene | U | | 6.61 | 33.3 |
| Benzylbutyl phthalate | U | | 10.4 | 333 |
| Bis(2-ethylhexyl)phthalate | U | | 42.2 | 333 |
| Di-n-butyl phthalate | U | | 11.4 | 333 |
| Diethyl phthalate | U | | 11.0 | 333 |
| Dimethyl phthalate | U | | 70.6 | 333 |
| Di-n-octyl phthalate | U | | 22.5 | 333 |
| 1,2,4-Trichlorobenzene | U | | 10.4 | 333 |
| 4-Chloro-3-methylphenol | U | | 10.8 | 333 |
| 2-Chlorophenol | U | | 11.0 | 333 |
| 2,4-Dichlorophenol | U | | 9.70 | 333 |
| 2,4-Dimethylphenol | U | | 8.70 | 333 |
| 4,6-Dinitro-2-methylphenol | U | | 75.5 | 333 |
| 2,4-Dinitrophenol | U | | 77.9 | 333 |
| 2-Nitrophenol | U | | 11.9 | 333 |
| 4-Nitrophenol | U | | 10.4 | 333 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4220055-2 05/23/25 23:17

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------------------|-----------|--------------|--------|----------|
| | ug/kg | | ug/kg | ug/kg |
| Pentachlorophenol | U | | 8.96 | 333 |
| Phenol | U | | 13.4 | 333 |
| 2,4,6-Trichlorophenol | U | | 10.7 | 333 |
| (S) 2-Fluorophenol | 90.5 | | | 12.0-120 |
| (S) Phenol-d5 | 84.5 | | | 10.0-120 |
| (S) Nitrobenzene-d5 | 80.8 | | | 10.0-122 |
| (S) 2-Fluorobiphenyl | 75.7 | | | 15.0-120 |
| (S) 2,4,6-Tribromophenol | 78.8 | | | 10.0-127 |
| (S) p-Terphenyl-d14 | 94.9 | | | 10.0-120 |

Laboratory Control Sample (LCS)

(LCS) R4220055-1 05/23/25 22:56

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|-----------------------------|--------------|------------|----------|-------------|---------------|
| | ug/kg | ug/kg | % | % | |
| Acenaphthylene | 666 | 566 | 85.0 | 40.0-120 | |
| Benzidine | 1330 | 605 | 45.5 | 10.0-120 | |
| Benzo(g,h,i)perylene | 666 | 501 | 75.2 | 43.0-120 | |
| Bis(2-chlorethoxy)methane | 666 | 392 | 58.9 | 20.0-120 | |
| Bis(2-chloroethyl)ether | 666 | 416 | 62.5 | 16.0-120 | |
| 2,2-Oxybis(1-Chloropropane) | 666 | 463 | 69.5 | 23.0-120 | |
| 4-Bromophenyl-phenylether | 666 | 536 | 80.5 | 40.0-120 | |
| 2-Chloronaphthalene | 666 | 484 | 72.7 | 35.0-120 | |
| 4-Chlorophenyl-phenylether | 666 | 497 | 74.6 | 40.0-120 | |
| 1,2-Dichlorobenzene | 666 | 443 | 66.5 | 32.0-120 | |
| 1,3-Dichlorobenzene | 666 | 426 | 64.0 | 30.0-120 | |
| 1,4-Dichlorobenzene | 666 | 459 | 68.9 | 31.0-120 | |
| 3,3-Dichlorobenzidine | 1330 | 1110 | 83.5 | 28.0-120 | |
| 2,4-Dinitrotoluene | 666 | 543 | 81.5 | 45.0-120 | |
| 2,6-Dinitrotoluene | 666 | 515 | 77.3 | 42.0-120 | |
| Hexachlorobenzene | 666 | 493 | 74.0 | 39.0-120 | |
| Hexachloro-1,3-butadiene | 666 | 334 | 50.2 | 15.0-120 | |
| Hexachlorocyclopentadiene | 666 | 238 | 35.7 | 15.0-120 | |
| Hexachloroethane | 666 | 459 | 68.9 | 17.0-120 | |
| Isophorone | 666 | 402 | 60.4 | 23.0-120 | |
| Nitrobenzene | 666 | 391 | 58.7 | 17.0-120 | |
| n-Nitrosodimethylamine | 666 | 511 | 76.7 | 10.0-125 | |
| n-Nitrosodiphenylamine | 666 | 549 | 82.4 | 40.0-120 | |
| n-Nitrosodi-n-propylamine | 666 | 492 | 73.9 | 26.0-120 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4220055-1 05/23/25 22:56

| Analyte | Spike Amount ug/kg | LCS Result ug/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|----------------------------|-----------------------|---------------------|---------------|------------------|----------------------|
| Phenanthrene | 666 | 507 | 76.1 | 42.0-120 | |
| Benzylbutyl phthalate | 666 | 610 | 91.6 | 40.0-120 | |
| Bis(2-ethylhexyl)phthalate | 666 | 644 | 96.7 | 41.0-120 | |
| Di-n-butyl phthalate | 666 | 621 | 93.2 | 43.0-120 | |
| Diethyl phthalate | 666 | 568 | 85.3 | 43.0-120 | |
| Dimethyl phthalate | 666 | 555 | 83.3 | 43.0-120 | |
| Di-n-octyl phthalate | 666 | 599 | 89.9 | 40.0-120 | |
| 1,2,4-Trichlorobenzene | 666 | 373 | 56.0 | 17.0-120 | |
| 4-Chloro-3-methylphenol | 666 | 433 | 65.0 | 28.0-120 | |
| 2-Chlorophenol | 666 | 441 | 66.2 | 28.0-120 | |
| 2,4-Dichlorophenol | 666 | 407 | 61.1 | 25.0-120 | |
| 2,4-Dimethylphenol | 666 | 386 | 58.0 | 15.0-120 | |
| 4,6-Dinitro-2-methylphenol | 666 | 503 | 75.5 | 16.0-120 | |
| 2,4-Dinitrophenol | 666 | 433 | 65.0 | 10.0-120 | |
| 2-Nitrophenol | 666 | 455 | 68.3 | 20.0-120 | |
| 4-Nitrophenol | 666 | 532 | 79.9 | 27.0-120 | |
| Pentachlorophenol | 666 | 345 | 51.8 | 29.0-120 | |
| Phenol | 666 | 469 | 70.4 | 28.0-120 | |
| 2,4,6-Trichlorophenol | 666 | 491 | 73.7 | 37.0-120 | |
| (S) 2-Fluorophenol | | | 83.6 | 12.0-120 | |
| (S) Phenol-d5 | | | 77.0 | 10.0-120 | |
| (S) Nitrobenzene-d5 | | | 64.0 | 10.0-122 | |
| (S) 2-Fluorobiphenyl | | | 74.2 | 15.0-120 | |
| (S) 2,4,6-Tribromophenol | | | 86.6 | 10.0-127 | |
| (S) p-Terphenyl-d14 | | | 79.9 | 10.0-120 | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1862300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862300-01 05/24/25 01:24 • (MS) R4220055-3 05/24/25 01:45 • (MSD) R4220055-4 05/24/25 02:06

| Analyte | Spike Amount (dry) ug/kg | Original Result (dry) ug/kg | MS Result (dry) ug/kg | MSD Result (dry) ug/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|-----------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Acenaphthylene | 773 | ND | 645 | 672 | 83.4 | 86.4 | 2 | 25.0-120 | | | 4.16 | 32 |
| Benzidine | 1550 | ND | ND | ND | 40.5 | 46.8 | 2 | 10.0-120 | | | 15.1 | 40 |
| Benzo(g,h,i)perylene | 773 | ND | 541 | 583 | 70.0 | 74.9 | 2 | 10.0-120 | | | 7.41 | 33 |
| Bis(2-chlorethoxy)methane | 773 | ND | ND | ND | 65.4 | 61.9 | 2 | 10.0-120 | | | 4.82 | 34 |
| Bis(2-chloroethyl)ether | 773 | ND | ND | ND | 64.5 | 66.1 | 2 | 10.0-120 | | | 3.06 | 40 |
| 2,2-Oxybis(1-Chloropropane) | 773 | ND | ND | ND | 74.0 | 70.3 | 2 | 10.0-120 | | | 4.46 | 40 |
| 4-Bromophenyl-phenylether | 773 | ND | ND | ND | 78.8 | 82.4 | 2 | 27.0-120 | | | 5.14 | 30 |
| 2-Chloronaphthalene | 773 | ND | 538 | 562 | 69.5 | 72.2 | 2 | 20.0-120 | | | 4.33 | 32 |

L1862300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862300-01 05/24/25 01:24 • (MS) R4220055-3 05/24/25 01:45 • (MSD) R4220055-4 05/24/25 02:06

| Analyte | Spike Amount (dry) ug/kg | Original Result (dry) ug/kg | MS Result (dry) ug/kg | MSD Result (dry) ug/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|----------------------------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| 4-Chlorophenyl-phenylether | 773 | ND | ND | ND | 71.7 | 73.9 | 2 | 24.0-120 | | | 3.58 | 29 |
| 1,2-Dichlorobenzene | 773 | ND | ND | ND | 63.8 | 63.1 | 2 | 10.0-120 | | | 0.483 | 38 |
| 1,3-Dichlorobenzene | 773 | ND | ND | ND | 63.5 | 61.8 | 2 | 10.0-120 | | | 2.20 | 40 |
| 1,4-Dichlorobenzene | 773 | ND | ND | ND | 65.8 | 64.8 | 2 | 10.0-120 | | | 0.939 | 39 |
| 3,3-Dichlorobenzidine | 1550 | ND | 1240 | 1340 | 80.0 | 86.3 | 2 | 10.0-120 | | | 8.29 | 34 |
| 2,4-Dinitrotoluene | 773 | ND | ND | ND | 77.8 | 82.0 | 2 | 30.0-120 | | | 5.76 | 31 |
| 2,6-Dinitrotoluene | 773 | ND | ND | ND | 74.6 | 75.5 | 2 | 25.0-120 | | | 1.84 | 31 |
| Hexachlorobenzene | 773 | ND | ND | ND | 73.1 | 72.3 | 2 | 27.0-120 | | | 0.422 | 28 |
| Hexachloro-1,3-butadiene | 773 | ND | ND | ND | 53.8 | 52.9 | 2 | 10.0-120 | | | 1.15 | 38 |
| Hexachlorocyclopentadiene | 773 | ND | ND | ND | 14.7 | 13.7 | 2 | 10.0-120 | | | 6.35 | 40 |
| Hexachloroethane | 773 | ND | ND | ND | 58.8 | 59.6 | 2 | 10.0-120 | | | 2.07 | 40 |
| Isophorone | 773 | ND | ND | ND | 64.9 | 64.4 | 2 | 13.0-120 | | | 0.237 | 34 |
| Nitrobenzene | 773 | ND | ND | ND | 64.9 | 62.7 | 2 | 10.0-120 | | | 2.88 | 36 |
| n-Nitrosodimethylamine | 773 | ND | ND | ND | 68.9 | 68.3 | 2 | 10.0-127 | | | 0.223 | 40 |
| n-Nitrosodiphenylamine | 773 | ND | ND | ND | 78.8 | 81.5 | 2 | 17.0-120 | | | 4.02 | 29 |
| n-Nitrosodi-n-propylamine | 773 | ND | ND | ND | 72.8 | 72.6 | 2 | 10.0-120 | | | 0.422 | 37 |
| Phenanthrene | 773 | ND | 566 | 592 | 73.2 | 76.1 | 2 | 17.0-120 | | | 4.52 | 31 |
| Benzylbutyl phthalate | 773 | ND | ND | ND | 92.0 | 96.6 | 2 | 23.0-120 | | | 5.53 | 30 |
| Bis(2-ethylhexyl)phthalate | 773 | ND | ND | 793 | 96.2 | 102 | 2 | 17.0-126 | | | 6.50 | 30 |
| Di-n-butyl phthalate | 773 | ND | ND | ND | 92.9 | 97.1 | 2 | 30.0-120 | | | 5.00 | 29 |
| Diethyl phthalate | 773 | ND | ND | ND | 82.0 | 86.5 | 2 | 26.0-120 | | | 6.01 | 28 |
| Dimethyl phthalate | 773 | ND | ND | ND | 78.9 | 82.6 | 2 | 25.0-120 | | | 5.13 | 29 |
| Di-n-octyl phthalate | 773 | ND | ND | ND | 94.5 | 98.6 | 2 | 21.0-123 | | | 4.92 | 29 |
| 1,2,4-Trichlorobenzene | 773 | ND | ND | ND | 60.5 | 59.5 | 2 | 12.0-120 | | | 1.02 | 37 |
| 4-Chloro-3-methylphenol | 773 | ND | ND | ND | 69.4 | 72.3 | 2 | 15.0-120 | | | 4.76 | 30 |
| 2-Chlorophenol | 773 | ND | ND | ND | 67.5 | 66.8 | 2 | 15.0-120 | | | 0.457 | 37 |
| 2,4-Dichlorophenol | 773 | ND | ND | ND | 67.7 | 68.5 | 2 | 20.0-120 | | | 1.80 | 31 |
| 2,4-Dimethylphenol | 773 | ND | ND | ND | 62.5 | 63.1 | 2 | 10.0-120 | | | 1.71 | 33 |
| 4,6-Dinitro-2-methylphenol | 773 | ND | ND | ND | 78.9 | 81.5 | 2 | 10.0-120 | | | 3.82 | 39 |
| 2,4-Dinitrophenol | 773 | ND | ND | ND | 83.7 | 83.3 | 2 | 10.0-121 | | | 0.184 | 40 |
| 2-Nitrophenol | 773 | ND | ND | ND | 75.2 | 74.9 | 2 | 12.0-120 | | | 0.204 | 39 |
| 4-Nitrophenol | 773 | ND | ND | ND | 85.1 | 85.9 | 2 | 10.0-137 | | | 1.61 | 32 |
| Pentachlorophenol | 773 | ND | ND | ND | 54.8 | 54.9 | 2 | 10.0-160 | | | 0.839 | 31 |
| Phenol | 773 | ND | ND | ND | 69.1 | 69.4 | 2 | 12.0-120 | | | 1.11 | 38 |
| 2,4,6-Trichlorophenol | 773 | ND | ND | ND | 72.5 | 74.5 | 2 | 19.0-120 | | | 3.34 | 32 |
| (S) 2-Fluorophenol | | | | | 79.0 | 79.9 | | 12.0-120 | | | | |
| (S) Phenol-d5 | | | | | 74.3 | 76.0 | | 10.0-120 | | | | |
| (S) Nitrobenzene-d5 | | | | | 68.0 | 67.6 | | 10.0-122 | | | | |
| (S) 2-Fluorobiphenyl | | | | | 71.1 | 71.3 | | 15.0-120 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1862300-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1862300-01 05/24/25 01:24 • (MS) R4220055-3 05/24/25 01:45 • (MSD) R4220055-4 05/24/25 02:06

| Analyte | Spike Amount (dry) ug/kg | Original Result (dry) ug/kg | MS Result (dry) ug/kg | MSD Result (dry) ug/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|--------------------------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| (S) 2,4,6-Tribromophenol | | | | | 77.7 | 81.6 | | 10.0-127 | | | | |
| (S) p-Terphenyl-d14 | | | | | 75.7 | 80.7 | | 10.0-120 | | | | |

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

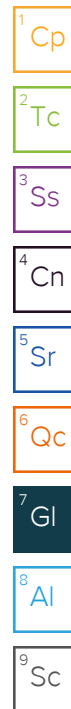
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

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

| Qualifier | Description |
|-----------|---|
| C3 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |
| C7 | The initial calibration verification standard (SSCV) associated with this data responded high. |
| 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. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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 ¹ | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | KY90010 | South Carolina | 84004002 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas ⁵ | 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 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

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

* 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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Pace Pace® Location Requested (City/State):
 Pace National, 12065 Lebanon Road, Mt. Juliet, TN 37122

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: CTEH, LLC
 Street Address:
5120 North Shore Drive, North Little Rock, AR 72118

Contact/Report To: Chevron-Bishop, Kyle Lawrence, Tami McMullin, Andy Henault, Eric Catlin, Madelyn Klinkerman
 Phone #:
 E-Mail: chevron_bishop@cteh.com; kylelawrence@cteh.com; tmcnullin@cteh.com; ahenault@cteh.com
 Cc E-Mail: ecatin@cteh.com; mklinkerman@cteh.com

Customer Project #: PROJ-054017
 Project Name:
Bishop LOC
 Site Collection Info/Facility ID (as applicable):
Galeton, CO

Invoice to: CTEH
 Invoice E-mail:
 ctehap@montrose-env.com
 Purchase Order # (if applicable):
 Quote #:

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET
 Data Deliverables:
 Level II [] Level III [] Level IV
 EQUIS
 Other

County / State origin of sample(s): **CO**
 Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No
 Rush (Pre-approval required):
 Same Day [] 1 Day [] 2 Day [] 3 Day Other **ASAP**
 Date Results Requested:
 DW PWSID # or WW Permit # as applicable:
 Field Filtered (if applicable): [] Yes [] No
 Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Composite Start | | Collected or Composite End | | # Cont. | Residual Chlorine | |
|--------------------|----------|-------------|-----------------|------|----------------------------|------|---------|-------------------|-------|
| | | | Date | Time | Date | Time | | Result | Units |
| GAC0522T060S001 | SS | G | - | - | 5/22/2025 | 1640 | 3 | - | - |
| <i>MB</i> | | | | | | | | | |

LAB USE ONLY - Affix Worksheet
4.9 fo. y = 5.3 TLA
Sample Receipt Checklist
 COC Seal Present/Intact: Y N NP
 COC Signed/Accurate: Y N NP
 Bottles arrive intact: Y N NP
 Correct bottles used: Y N NP
 Sufficient volume sent: Y N NP
 RA Screen <0.5 mR/hr: Y N NP
 If Applicable
 VOA Zero Headspace: Y N
 Pres. Correct/Check: Y N
 Condition: NCF OK

Specify Container Size **

| | | | | | | | | | |
|-----|-----|-----|-----|---|--|--|--|--|--|
| 8oz | 8oz | 8oz | 8oz | 6 | | | | | |
| 1 | 1 | 1 | 1 | 4 | | | | | |

Identify Container Preservative Type***

Analysis Requested

| | | | | | |
|------------|---------------------------|--|-------------------|------------|--------|
| VOCs 8260D | SVOCs 8270E; Metals 6010D | Total NITRGEN+NH43 EPA 350.1, 351.2, 9056A, SM 4500 Norg | TOC Walkley Black | VOCs 8260D | MS/MSD |
| X | X | X | X | - | - |

Proj. Mgr:
546-Jared Starkey
 AcctNum / Client ID:
 CTEH
 Table #:
K147
 Profile / Temp:
 T271979
 Preglog / Bottle Ord. ID:

Additional Instructions from Pace*:
 VOCs - full list minus BTEX, 1,2,4-TMB, 1,3,5-TMB; SVOCs - full list minus PAHs, 1-methylnaphthalene, 2-methylnaphthalene; Metals - TAL minus RCRA, Cu, Ni, Zn

Customer Remarks / Special Conditions / Possible Hazards:
 # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C): [] On Ice

| | | | | |
|---|-----------------------------------|--|-----------------------------------|--|
| Relinquished by/Company: (Signature) <i>Matth Bel CTEH</i> | Date/Time: 5-22-25 1800 | Received by/Company: (Signature) <i>Pace</i> | Date/Time: 5-22-25 1800 | Tracking Number: Delivered by: [] In-Person [] Courier [] FedEx [] UPS [] Other Page: 1 of 1 |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) <i>Easter Regn</i> | Date/Time: 5/23/25 1300 | |
| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: | |

GAC0522T060S
 SDG