

## Report of Analysis

|                    |                           |                 |              |
|--------------------|---------------------------|-----------------|--------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 01/13/25     |
| Project:           | NJ Drinking Water PT      | Date Received:  | 01/15/25     |
| Client Sample ID:  | PT-UNRVOA-WS              | SDG No.:        | Q1172        |
| Lab Sample ID:     | Q1172-08                  | Matrix:         | Water        |
| Analytical Method: | E524.2                    | % Solid:        | 0            |
| Sample Wt/Vol:     | 25 Units: mL              | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  | uL                        | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI ID : 0.18        | Level :         | LOW          |
| Prep Method :      |                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VU063239.D        | 1         |           | 02/11/25 16:36 | VU021125      |

| CAS Number     | Parameter                             | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|---------------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                       |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane               | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 74-87-3        | Chloromethane                         | 12.8  |           | 0.13 | 0.50       | ug/L  |
| 75-01-4        | Vinyl Chloride                        | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 74-83-9        | Bromomethane                          | 0.18  | U         | 0.18 | 0.50       | ug/L  |
| 75-00-3        | Chloroethane                          | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 109-99-9       | Tetrahydrofuran                       | 0.44  | U         | 0.44 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane                | 17.3  | E         | 0.21 | 0.50       | ug/L  |
| 76-13-1        | 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 75-65-0        | tert-Butyl Alcohol                    | 8.60  | UQ        | 8.60 | 10.0       | ug/L  |
| 60-29-7        | Diethyl Ether                         | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene                    | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 107-13-1       | Acrylonitrile                         | 0.44  | U         | 0.44 | 1.00       | ug/L  |
| 67-64-1        | Acetone                               | 1.10  | U         | 1.10 | 2.50       | ug/L  |
| 75-15-0        | Carbon Disulfide                      | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 1634-04-4      | Methyl tert-Butyl Ether               | 41.3  | E         | 0.12 | 0.50       | ug/L  |
| 96-33-3        | Methyl acrylate                       | 0.28  | U         | 0.28 | 0.50       | ug/L  |
| 75-09-2        | Methylene Chloride                    | 0.82  |           | 0.47 | 0.50       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene              | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane                    | 11.6  |           | 0.13 | 0.50       | ug/L  |
| 110-82-7       | Cyclohexane                           | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 78-93-3        | 2-Butanone                            | 0.68  | U         | 0.68 | 2.50       | ug/L  |
| 56-23-5        | Carbon Tetrachloride                  | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane                   | 2.90  |           | 0.14 | 0.50       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene                | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 74-97-5        | Bromochloromethane                    | 17.6  | E         | 0.16 | 0.50       | ug/L  |
| 67-66-3        | Chloroform                            | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane                 | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 108-87-2       | Methylcyclohexane                     | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene                   | 5.40  |           | 0.11 | 0.50       | ug/L  |
| 107-12-0       | Propionitrile                         | 1.00  | U         | 1.00 | 2.50       | ug/L  |

## Report of Analysis

|                    |                           |                 |              |
|--------------------|---------------------------|-----------------|--------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 01/13/25     |
| Project:           | NJ Drinking Water PT      | Date Received:  | 01/15/25     |
| Client Sample ID:  | PT-UNRVOA-WS              | SDG No.:        | Q1172        |
| Lab Sample ID:     | Q1172-08                  | Matrix:         | Water        |
| Analytical Method: | E524.2                    | % Solid:        | 0            |
| Sample Wt/Vol:     | 25 Units: mL              | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  | uL                        | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI ID : 0.18        | Level :         | LOW          |
| Prep Method :      |                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VU063239.D        | 1         |           | 02/11/25 16:36 | VU021125      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|------|------------|-------|
| 71-43-2     | Benzene                   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 0.16  | U         | 0.16 | 0.50       | ug/L  |
| 79-01-6     | Trichloroethene           | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 74-95-3     | Dibromomethane            | 11.7  |           | 0.14 | 0.50       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.60  | U         | 0.60 | 2.50       | ug/L  |
| 108-88-3    | Toluene                   | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 14.5  |           | 0.11 | 0.50       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 17.1  | E         | 0.11 | 0.50       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 12.6  |           | 0.13 | 0.50       | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.57  | U         | 0.57 | 2.50       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.11  | U         | 0.11 | 0.50       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 3.20  |           | 0.13 | 0.50       | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 1330-20-7   | Total Xylenes             | 0.35  | U         | 0.35 | 1.50       | ug/L  |
| 95-47-6     | o-Xylene                  | 0.12  | U         | 0.12 | 0.50       | ug/L  |
| 100-42-5    | Styrene                   | 0.13  | U         | 0.13 | 0.50       | ug/L  |
| 75-25-2     | Bromoform                 | 0.14  | U         | 0.14 | 0.50       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 6.20  |           | 0.13 | 0.50       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 5.70  |           | 0.12 | 0.50       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 7.70  |           | 0.21 | 0.50       | ug/L  |
| 108-86-1    | Bromobenzene              | 17.0  | E         | 0.13 | 0.50       | ug/L  |
| 103-65-1    | n-propylbenzene           | 9.60  |           | 0.16 | 0.50       | ug/L  |

## Report of Analysis

|                    |                           |                 |              |
|--------------------|---------------------------|-----------------|--------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 01/13/25     |
| Project:           | NJ Drinking Water PT      | Date Received:  | 01/15/25     |
| Client Sample ID:  | PT-UNRVOA-WS              | SDG No.:        | Q1172        |
| Lab Sample ID:     | Q1172-08                  | Matrix:         | Water        |
| Analytical Method: | E524.2                    | % Solid:        | 0            |
| Sample Wt/Vol:     | 25 Units: mL              | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  | uL                        | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI ID : 0.18        | Level :         | LOW          |
| Prep Method :      |                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VU063239.D        | 1         |           | 02/11/25 16:36 | VU021125      |

| CAS Number                | Parameter                   | Conc. | Qualifier | MDL      | LOQ / CRQL | Units  |
|---------------------------|-----------------------------|-------|-----------|----------|------------|--------|
| 95-49-8                   | 2-Chlorotoluene             | 4.50  |           | 0.14     | 0.50       | ug/L   |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 7.00  |           | 0.13     | 0.50       | ug/L   |
| 106-43-4                  | 4-Chlorotoluene             | 10.7  |           | 0.14     | 0.50       | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 5.80  |           | 0.11     | 0.50       | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 15.6  | E         | 0.13     | 0.50       | ug/L   |
| 135-98-8                  | sec-Butylbenzene            | 19.7  | E         | 0.13     | 0.50       | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 3.60  |           | 0.16     | 0.50       | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 4.80  |           | 0.13     | 0.50       | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 15.7  | E         | 0.28     | 0.50       | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.14  | U         | 0.14     | 0.50       | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.23  | U         | 0.23     | 0.50       | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.47  | J         | 0.21     | 0.50       | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 13.8  |           | 0.14     | 0.50       | ug/L   |
| 91-20-3                   | Naphthalene                 | 4.50  |           | 0.31     | 1.00       | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 26.0  | E         | 0.25     | 0.50       | ug/L   |
| 74-88-4                   | Iodomethane                 | 0.16  | U         | 0.16     | 1.00       | ug/L   |
| 107-05-1                  | Allyl Chloride              | 0.11  | U         | 0.11     | 0.50       | ug/L   |
| 126-98-7                  | Methacrylonitrile           | 0.19  | U         | 0.19     | 0.50       | ug/L   |
| 80-62-6                   | Methyl methacrylate         | 0.24  | U         | 0.24     | 1.00       | ug/L   |
| <b>SURROGATES</b>         |                             |       |           |          |            |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 1.10  |           | 70 - 130 | 107%       | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.10  |           | 70 - 130 | 105%       | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |       |           |          |            |        |
| 462-06-6                  | Fluorobenzene               | 53600 | 6.107     |          |            |        |

## Report of Analysis

|                    |                            |                 |               |
|--------------------|----------------------------|-----------------|---------------|
| Client:            | Chemtech Consulting Group  | Date Collected: | 01/13/25      |
| Project:           | NJ Drinking Water PT       | Date Received:  | 01/15/25      |
| Client Sample ID:  | PT-UNRVOA-WS               | SDG No.:        | Q1172         |
| Lab Sample ID:     | Q1172-08                   | Matrix:         | Water         |
| Analytical Method: | E524.2                     | % Solid:        | 0             |
| Sample Wt/Vol:     | 25      Units:    mL       | Final Vol:      | 25000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group2  |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW           |
| Prep Method :      |                            |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VU063239.D        | 1         |           | 02/11/25 16:36 | VU021125      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products