

## LAB CHRONICLE

|                 |                      |                   |                       |
|-----------------|----------------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1423                | <b>OrderDate:</b> | 2/25/2025 10:55:00 AM |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | CTO WE13              |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | H33,VOA Ref. #3 Water |

| LabID    | ClientID                   | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|----------|----------------------------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q1423-01 | BP-VPB-192-TB-2025<br>0220 | Water  | VOCMS Group1 | 8260-Low | 02/20/25    |           | 02/28/25  | 02/24/25 |
| Q1423-02 | VPB192-HYD-202502<br>21    | Water  | VOCMS Group1 | 8260-Low | 02/21/25    |           | 02/25/25  | 02/24/25 |
| Q1423-03 | BP-VPB-192-EB-2025<br>0221 | Water  | VOCMS Group1 | 8260-Low | 02/21/25    |           | 02/28/25  | 02/24/25 |
| Q1423-04 | BP-VPB-192-GW-925-<br>927  | Water  | VOCMS Group1 | 8260-Low | 02/20/25    |           | 02/25/25  | 02/24/25 |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1423

**Client:** Tetra Tech NUS, Inc.

| Sample ID         | Client ID                     | Matrix                      | Parameter | Concentration | C | MDL  | LOD  | RDL  | Units |
|-------------------|-------------------------------|-----------------------------|-----------|---------------|---|------|------|------|-------|
| <b>Client ID:</b> | <b>BP-VPB-192-TB-20250220</b> |                             |           |               |   |      |      |      |       |
| Q1423-01          | BP-VPB-192-TB-20 Water        | Acetone                     |           | 14.0          |   | 1.40 | 3.80 | 5.00 | ug/L  |
|                   |                               | <b>Total Voc :</b>          |           | 14.0          |   |      |      |      |       |
|                   |                               | <b>Total Concentration:</b> |           | 14.0          |   |      |      |      |       |
| <b>Client ID:</b> | <b>VPB192-HYD-20250221</b>    |                             |           |               |   |      |      |      |       |
| Q1423-02          | VPB192-HYD-2025 Water         | Acetone                     |           | 1.80          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| Q1423-02          | VPB192-HYD-2025 Water         | Bromodichloromethane        |           | 0.99          | J | 0.24 | 0.50 | 1.00 | ug/L  |
| Q1423-02          | VPB192-HYD-2025 Water         | Dibromochloromethane        |           | 1.50          |   | 0.18 | 0.50 | 1.00 | ug/L  |
|                   |                               | <b>Total Voc :</b>          |           | 4.29          |   |      |      |      |       |
|                   |                               | <b>Total Concentration:</b> |           | 4.29          |   |      |      |      |       |
| <b>Client ID:</b> | <b>BP-VPB-192-EB-20250221</b> |                             |           |               |   |      |      |      |       |
| Q1423-03          | BP-VPB-192-EB-20 Water        | Acetone                     |           | 12.7          |   | 1.40 | 3.80 | 5.00 | ug/L  |
| Q1423-03          | BP-VPB-192-EB-20 Water        | Methylene Chloride          |           | 0.64          | J | 0.32 | 0.50 | 1.00 | ug/L  |
|                   |                               | <b>Total Voc :</b>          |           | 13.3          |   |      |      |      |       |
|                   |                               | <b>Total Concentration:</b> |           | 13.3          |   |      |      |      |       |
| <b>Client ID:</b> | <b>BP-VPB-192-GW-925-927</b>  |                             |           |               |   |      |      |      |       |
| Q1423-04          | BP-VPB-192-GW-9 Water         | Acetone                     |           | 2.20          | J | 1.40 | 3.80 | 5.00 | ug/L  |
|                   |                               | <b>Total Voc :</b>          |           | 2.20          |   |      |      |      |       |
|                   |                               | <b>Total Concentration:</b> |           | 2.20          |   |      |      |      |       |



# SAMPLE DATA

## Report of Analysis

|                    |                        |                 |              |
|--------------------|------------------------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc.   | Date Collected: | 02/20/25     |
| Project:           | CTO WE13               | Date Received:  | 02/24/25     |
| Client Sample ID:  | BP-VPB-192-TB-20250220 | SDG No.:        | Q1423        |
| Lab Sample ID:     | Q1423-01               | Matrix:         | Water        |
| Analytical Method: | SW8260                 | % Solid:        | 0            |
| Sample Wt/Vol:     | 5 Units: mL            | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI ID : 0.18     | Level :         | LOW          |
| Prep Method :      |                        |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045084.D        | 1         |           | 02/28/25 13:23 | VX022825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 14.0  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                        |           |                 |              |    |
|--------------------|------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.   |           | Date Collected: | 02/20/25     |    |
| Project:           | CTO WE13               |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-TB-20250220 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-01               |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                      | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                        |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045084.D        | 1         |           | 02/28/25 13:23 | VX022825      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 52.2   |           | 81 - 118 |      | 104%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 53.1   |           | 80 - 119 |      | 106%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 51.9   |           | 89 - 112 |      | 104%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 52.3   |           | 85 - 114 |      | 105%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 70100  | 5.55      |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 139000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 128000 | 10.055    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 54100  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                        |           |                 |              |    |
|--------------------|------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.   |           | Date Collected: | 02/20/25     |    |
| Project:           | CTO WE13               |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-TB-20250220 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-01               |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                      | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                        |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045084.D        | 1         |           | 02/28/25 13:23 | VX022825      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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

## Report of Analysis

|                    |                      |           |                 |              |    |
|--------------------|----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: | 02/21/25     |    |
| Project:           | CTO WE13             |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | VPB192-HYD-20250221  |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-02             |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                      |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045038.D        | 1         |           | 02/25/25 14:54 | VX022525      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.80  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.99  | J         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |    |
|--------------------|----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: | 02/21/25     |    |
| Project:           | CTO WE13             |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | VPB192-HYD-20250221  |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-02             |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                      |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045038.D        | 1         |           | 02/25/25 14:54 | VX022525      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 1.50   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 55.7   |           | 81 - 118 |      | 111%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 53.0   |           | 80 - 119 |      | 106%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 50.4   |           | 89 - 112 |      | 101%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 50.7   |           | 85 - 114 |      | 101%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 78100  | 5.544     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 155000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 144000 | 10.049    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 57200  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |



## Report of Analysis

|                    |                      |           |                 |              |    |
|--------------------|----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: | 02/21/25     |    |
| Project:           | CTO WE13             |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | VPB192-HYD-20250221  |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-02             |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                      |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045038.D        | 1         |           | 02/25/25 14:54 | VX022525      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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

## Report of Analysis

|                    |                        |           |                 |              |    |
|--------------------|------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.   |           | Date Collected: | 02/21/25     |    |
| Project:           | CTO WE13               |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-EB-20250221 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-03               |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                      | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                        |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045085.D        | 1         |           | 02/28/25 13:47 | VX022825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 12.7  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.64  | J         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                        |           |                 |              |    |
|--------------------|------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.   |           | Date Collected: | 02/21/25     |    |
| Project:           | CTO WE13               |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-EB-20250221 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-03               |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                      | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                        |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045085.D        | 1         |           | 02/28/25 13:47 | VX022825      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 51.2   |           | 81 - 118 |      | 102%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 50.4   |           | 80 - 119 |      | 101%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 51.4   |           | 89 - 112 |      | 103%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 52.2   |           | 85 - 114 |      | 104%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 69000  | 5.544     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 136000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 125000 | 10.055    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 51900  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                        |           |                 |              |    |
|--------------------|------------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.   |           | Date Collected: | 02/21/25     |    |
| Project:           | CTO WE13               |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-EB-20250221 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-03               |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                 |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                      | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                        | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI               | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                        |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045085.D        | 1         |           | 02/28/25 13:47 | VX022825      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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

## Report of Analysis

|                    |                       |        |      |                 |              |    |  |
|--------------------|-----------------------|--------|------|-----------------|--------------|----|--|
| Client:            | Tetra Tech NUS, Inc.  |        |      | Date Collected: | 02/20/25     |    |  |
| Project:           | CTO WE13              |        |      | Date Received:  | 02/24/25     |    |  |
| Client Sample ID:  | BP-VPB-192-GW-925-927 |        |      | SDG No.:        | Q1423        |    |  |
| Lab Sample ID:     | Q1423-04              |        |      | Matrix:         | Water        |    |  |
| Analytical Method: | SW8260                |        |      | % Solid:        | 0            |    |  |
| Sample Wt/Vol:     | 5                     | Units: | mL   | Final Vol:      | 5000         | uL |  |
| Soil Aliquot Vol:  |                       |        | uL   | Test:           | VOCMS Group1 |    |  |
| GC Column:         | DB-624UI              | ID :   | 0.18 | Level :         | LOW          |    |  |
| Prep Method :      |                       |        |      |                 |              |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045041.D        | 1         |           | 02/25/25 16:03 | VX022525      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.20  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                       |           |                 |              |    |
|--------------------|-----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.  |           | Date Collected: | 02/20/25     |    |
| Project:           | CTO WE13              |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-GW-925-927 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-04              |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                     | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                       | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI              | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                       |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045041.D        | 1         |           | 02/25/25 16:03 | VX022525      |

| CAS Number                            | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                              | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                              | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                              | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                              | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                               | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                               | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                              | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                              | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                               | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                           |        |           |          |      |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4     | 56.4   |           | 81 - 118 |      | 113%       | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane      | 51.7   |           | 80 - 119 |      | 103%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                | 50.1   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene      | 48.9   |           | 85 - 114 |      | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                           |        |           |          |      |            |         |
| 363-72-4                              | Pentafluorobenzene        | 78000  | 5.544     |          |      |            |         |
| 540-36-3                              | 1,4-Difluorobenzene       | 157000 | 6.757     |          |      |            |         |
| 3114-55-4                             | Chlorobenzene-d5          | 140000 | 10.055    |          |      |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4    | 56400  | 12.018    |          |      |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                           |        |           |          |      |            |         |
| 75-43-4                               | Dichlorofluoromethane     | N.D    |           |          |      |            |         |

## Report of Analysis

|                    |                       |           |                 |              |    |
|--------------------|-----------------------|-----------|-----------------|--------------|----|
| Client:            | Tetra Tech NUS, Inc.  |           | Date Collected: | 02/20/25     |    |
| Project:           | CTO WE13              |           | Date Received:  | 02/24/25     |    |
| Client Sample ID:  | BP-VPB-192-GW-925-927 |           | SDG No.:        | Q1423        |    |
| Lab Sample ID:     | Q1423-04              |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                     | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                       | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI              | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                       |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045041.D        | 1         |           | 02/25/25 16:03 | VX022525      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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



# QC SUMMARY



## Surrogate Summary

SDG No.: **Q1423**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID              | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|------------------------|-----------------------|-------|--------|--------------|--------|------|
|               |                        |                       |       |        |              | Low    | High |
| Q1423-01      | BP-VPB-192-TB-20250220 | 1,2-Dichloroethane-d4 | 50    | 52.2   | 104          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 53.1   | 106          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 51.9   | 104          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 52.3   | 105          | 85     | 114  |
| Q1423-02      | VPB192-HYD-20250221    | 1,2-Dichloroethane-d4 | 50    | 55.7   | 111          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 53.0   | 106          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 50.4   | 101          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 50.7   | 101          | 85     | 114  |
| Q1423-03      | BP-VPB-192-EB-20250221 | 1,2-Dichloroethane-d4 | 50    | 51.2   | 102          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 50.4   | 101          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 51.4   | 103          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 52.3   | 104          | 85     | 114  |
| Q1423-04      | BP-VPB-192-GW-925-927  | 1,2-Dichloroethane-d4 | 50    | 56.4   | 113          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 51.7   | 103          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 50.1   | 100          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 48.9   | 98           | 85     | 114  |
| VX0225WBL01   | VX0225WBL01            | 1,2-Dichloroethane-d4 | 50    | 53.6   | 107          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 50.3   | 101          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 48.4   | 97           | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 47.5   | 95           | 85     | 114  |
| VX0225WBS01   | VX0225WBS01            | 1,2-Dichloroethane-d4 | 50    | 53.0   | 106          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 52.8   | 106          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 50.5   | 101          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 51.6   | 103          | 85     | 114  |
| VX0225WBSD0   | VX0225WBSD01           | 1,2-Dichloroethane-d4 | 50    | 53.4   | 107          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 53.7   | 107          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 49.7   | 99           | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 53.8   | 108          | 85     | 114  |
| VX0228WBL01   | VX0228WBL01            | 1,2-Dichloroethane-d4 | 50    | 50.0   | 100          | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 51.0   | 102          | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 50.9   | 102          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 53.3   | 107          | 85     | 114  |
| VX0228WBS01   | VX0228WBS01            | 1,2-Dichloroethane-d4 | 50    | 46.9   | 94           | 81     | 118  |
|               |                        | Dibromofluoromethane  | 50    | 48.2   | 96           | 80     | 119  |
|               |                        | Toluene-d8            | 50    | 50.1   | 100          | 89     | 112  |
|               |                        | 4-Bromofluorobenzene  | 50    | 51.0   | 102          | 85     | 114  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** Q1423

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low

**Datafile :** VX045032.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0225WBS01   | Chloromethane                  | 20    | 15.3   | ug/L | 77  |     |      | 50  | 139            |     |
|               | Vinyl chloride                 | 20    | 16.6   | ug/L | 83  |     |      | 58  | 137            |     |
|               | Bromomethane                   | 20    | 20.6   | ug/L | 103 |     |      | 53  | 141            |     |
|               | Chloroethane                   | 20    | 21.1   | ug/L | 106 |     |      | 60  | 138            |     |
|               | Trichlorofluoromethane         | 20    | 18.6   | ug/L | 93  |     |      | 65  | 141            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 19.1   | ug/L | 96  |     |      | 70  | 136            |     |
|               | 1,1-Dichloroethene             | 20    | 17.0   | ug/L | 85  |     |      | 71  | 131            |     |
|               | Acetone                        | 100   | 110    | ug/L | 110 |     |      | 39  | 160            |     |
|               | Carbon disulfide               | 20    | 15.3   | ug/L | 77  |     |      | 64  | 133            |     |
|               | Methyl tert-butyl Ether        | 20    | 18.8   | ug/L | 94  |     |      | 71  | 124            |     |
|               | Methylene Chloride             | 20    | 18.5   | ug/L | 93  |     |      | 74  | 124            |     |
|               | trans-1,2-Dichloroethene       | 20    | 17.7   | ug/L | 89  |     |      | 75  | 124            |     |
|               | 1,1-Dichloroethane             | 20    | 18.7   | ug/L | 94  |     |      | 77  | 125            |     |
|               | 2-Butanone                     | 100   | 120    | ug/L | 120 |     |      | 56  | 143            |     |
|               | Carbon Tetrachloride           | 20    | 19.6   | ug/L | 98  |     |      | 72  | 136            |     |
|               | cis-1,2-Dichloroethene         | 20    | 18.8   | ug/L | 94  |     |      | 78  | 123            |     |
|               | Chloroform                     | 20    | 19.6   | ug/L | 98  |     |      | 79  | 124            |     |
|               | 1,1,1-Trichloroethane          | 20    | 18.7   | ug/L | 94  |     |      | 74  | 131            |     |
|               | Methylcyclohexane              | 20    | 18.2   | ug/L | 91  |     |      | 72  | 132            |     |
|               | Benzene                        | 20    | 19.1   | ug/L | 96  |     |      | 79  | 120            |     |
|               | 1,2-Dichloroethane             | 20    | 21.3   | ug/L | 106 |     |      | 73  | 128            |     |
|               | Trichloroethene                | 20    | 19.2   | ug/L | 96  |     |      | 79  | 123            |     |
|               | 1,2-Dichloropropane            | 20    | 19.8   | ug/L | 99  |     |      | 78  | 122            |     |
|               | Bromodichloromethane           | 20    | 20.4   | ug/L | 102 |     |      | 79  | 125            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 120    | ug/L | 120 |     |      | 67  | 130            |     |
|               | Toluene                        | 20    | 19.6   | ug/L | 98  |     |      | 80  | 121            |     |
|               | t-1,3-Dichloropropene          | 20    | 18.7   | ug/L | 94  |     |      | 73  | 127            |     |
|               | cis-1,3-Dichloropropene        | 20    | 19.3   | ug/L | 97  |     |      | 75  | 124            |     |
|               | 1,1,2-Trichloroethane          | 20    | 20.7   | ug/L | 104 |     |      | 80  | 119            |     |
|               | 2-Hexanone                     | 100   | 120    | ug/L | 120 |     |      | 57  | 139            |     |
|               | Dibromochloromethane           | 20    | 20.2   | ug/L | 101 |     |      | 74  | 126            |     |
|               | Tetrachloroethene              | 20    | 19.2   | ug/L | 96  |     |      | 74  | 129            |     |
|               | Chlorobenzene                  | 20    | 19.5   | ug/L | 98  |     |      | 82  | 118            |     |
|               | Ethyl Benzene                  | 20    | 19.0   | ug/L | 95  |     |      | 79  | 121            |     |
|               | m/p-Xylenes                    | 40    | 38.8   | ug/L | 97  |     |      | 80  | 121            |     |
|               | o-Xylene                       | 20    | 19.5   | ug/L | 98  |     |      | 78  | 122            |     |
|               | Styrene                        | 20    | 20.0   | ug/L | 100 |     |      | 78  | 123            |     |
|               | Bromoform                      | 20    | 21.0   | ug/L | 105 |     |      | 66  | 130            |     |
|               | Isopropylbenzene               | 20    | 19.0   | ug/L | 95  |     |      | 72  | 131            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.7   | ug/L | 99  |     |      | 71  | 121            |     |
|               | 1,3-Dichlorobenzene            | 20    | 18.6   | ug/L | 93  |     |      | 80  | 119            |     |
|               | 1,4-Dichlorobenzene            | 20    | 18.6   | ug/L | 93  |     |      | 79  | 118            |     |
|               | 1,2-Dichlorobenzene            | 20    | 19.2   | ug/L | 96  |     |      | 80  | 119            |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1423

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX045033.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0225WBSD01  | Chloromethane                  | 20    | 15.6   | ug/L | 78  | 1   |      | 50  | 139            | 20  |
|               | Vinyl chloride                 | 20    | 16.1   | ug/L | 81  | 2   |      | 58  | 137            | 20  |
|               | Bromomethane                   | 20    | 20.5   | ug/L | 103 | 0   |      | 53  | 141            | 20  |
|               | Chloroethane                   | 20    | 22.7   | ug/L | 114 | 7   |      | 60  | 138            | 20  |
|               | Trichlorofluoromethane         | 20    | 18.9   | ug/L | 95  | 2   |      | 65  | 141            | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.4   | ug/L | 92  | 4   |      | 70  | 136            | 20  |
|               | 1,1-Dichloroethene             | 20    | 17.1   | ug/L | 86  | 1   |      | 71  | 131            | 20  |
|               | Acetone                        | 100   | 120    | ug/L | 120 | 9   |      | 39  | 160            | 20  |
|               | Carbon disulfide               | 20    | 15.3   | ug/L | 77  | 0   |      | 64  | 133            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 19.2   | ug/L | 96  | 2   |      | 71  | 124            | 20  |
|               | Methylene Chloride             | 20    | 18.5   | ug/L | 93  | 0   |      | 74  | 124            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 17.6   | ug/L | 88  | 1   |      | 75  | 124            | 20  |
|               | 1,1-Dichloroethane             | 20    | 18.6   | ug/L | 93  | 1   |      | 77  | 125            | 20  |
|               | 2-Butanone                     | 100   | 120    | ug/L | 120 | 0   |      | 56  | 143            | 20  |
|               | Carbon Tetrachloride           | 20    | 19.6   | ug/L | 98  | 0   |      | 72  | 136            | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 18.6   | ug/L | 93  | 1   |      | 78  | 123            | 20  |
|               | Chloroform                     | 20    | 19.7   | ug/L | 99  | 1   |      | 79  | 124            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 18.9   | ug/L | 95  | 1   |      | 74  | 131            | 20  |
|               | Methylcyclohexane              | 20    | 18.8   | ug/L | 94  | 3   |      | 72  | 132            | 20  |
|               | Benzene                        | 20    | 18.8   | ug/L | 94  | 2   |      | 79  | 120            | 20  |
|               | 1,2-Dichloroethane             | 20    | 21.5   | ug/L | 108 | 2   |      | 73  | 128            | 20  |
|               | Trichloroethene                | 20    | 19.4   | ug/L | 97  | 1   |      | 79  | 123            | 20  |
|               | 1,2-Dichloropropane            | 20    | 19.9   | ug/L | 100 | 1   |      | 78  | 122            | 20  |
|               | Bromodichloromethane           | 20    | 20.9   | ug/L | 104 | 2   |      | 79  | 125            | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 130    | ug/L | 130 | 8   |      | 67  | 130            | 20  |
|               | Toluene                        | 20    | 19.3   | ug/L | 97  | 1   |      | 80  | 121            | 20  |
|               | t-1,3-Dichloropropene          | 20    | 18.3   | ug/L | 92  | 2   |      | 73  | 127            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 19.7   | ug/L | 99  | 2   |      | 75  | 124            | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 21.0   | ug/L | 105 | 1   |      | 80  | 119            | 20  |
|               | 2-Hexanone                     | 100   | 130    | ug/L | 130 | 8   |      | 57  | 139            | 20  |
|               | Dibromochloromethane           | 20    | 20.7   | ug/L | 104 | 3   |      | 74  | 126            | 20  |
|               | Tetrachloroethene              | 20    | 19.2   | ug/L | 96  | 0   |      | 74  | 129            | 20  |
|               | Chlorobenzene                  | 20    | 19.3   | ug/L | 97  | 1   |      | 82  | 118            | 20  |
|               | Ethyl Benzene                  | 20    | 19.2   | ug/L | 96  | 1   |      | 79  | 121            | 20  |
|               | m/p-Xylenes                    | 40    | 39.5   | ug/L | 99  | 2   |      | 80  | 121            | 20  |
|               | o-Xylene                       | 20    | 19.3   | ug/L | 97  | 1   |      | 78  | 122            | 20  |
|               | Styrene                        | 20    | 20.2   | ug/L | 101 | 1   |      | 78  | 123            | 20  |
|               | Bromoform                      | 20    | 21.2   | ug/L | 106 | 1   |      | 66  | 130            | 20  |
|               | Isopropylbenzene               | 20    | 18.7   | ug/L | 94  | 1   |      | 72  | 131            | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.2   | ug/L | 101 | 2   |      | 71  | 121            | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 19.2   | ug/L | 96  | 3   |      | 80  | 119            | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 18.6   | ug/L | 93  | 0   |      | 79  | 118            | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 19.8   | ug/L | 99  | 3   |      | 80  | 119            | 20  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1423

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX045080.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0228WBS01   | Chloromethane                  | 20    | 18.6   | ug/L | 93  |     |      | 50  | 139            |     |
|               | Vinyl chloride                 | 20    | 18.4   | ug/L | 92  |     |      | 58  | 137            |     |
|               | Bromomethane                   | 20    | 17.7   | ug/L | 89  |     |      | 53  | 141            |     |
|               | Chloroethane                   | 20    | 16.6   | ug/L | 83  |     |      | 60  | 138            |     |
|               | Trichlorofluoromethane         | 20    | 18.6   | ug/L | 93  |     |      | 65  | 141            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 19.9   | ug/L | 100 |     |      | 70  | 136            |     |
|               | 1,1-Dichloroethene             | 20    | 18.1   | ug/L | 91  |     |      | 71  | 131            |     |
|               | Acetone                        | 100   | 83.3   | ug/L | 83  |     |      | 39  | 160            |     |
|               | Carbon disulfide               | 20    | 17.7   | ug/L | 89  |     |      | 64  | 133            |     |
|               | Methyl tert-butyl Ether        | 20    | 17.9   | ug/L | 90  |     |      | 71  | 124            |     |
|               | Methylene Chloride             | 20    | 17.9   | ug/L | 90  |     |      | 74  | 124            |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.6   | ug/L | 93  |     |      | 75  | 124            |     |
|               | 1,1-Dichloroethane             | 20    | 17.9   | ug/L | 90  |     |      | 77  | 125            |     |
|               | 2-Butanone                     | 100   | 91.6   | ug/L | 92  |     |      | 56  | 143            |     |
|               | Carbon Tetrachloride           | 20    | 18.5   | ug/L | 93  |     |      | 72  | 136            |     |
|               | cis-1,2-Dichloroethene         | 20    | 18.2   | ug/L | 91  |     |      | 78  | 123            |     |
|               | Chloroform                     | 20    | 18.1   | ug/L | 91  |     |      | 79  | 124            |     |
|               | 1,1,1-Trichloroethane          | 20    | 18.2   | ug/L | 91  |     |      | 74  | 131            |     |
|               | Methylcyclohexane              | 20    | 20.8   | ug/L | 104 |     |      | 72  | 132            |     |
|               | Benzene                        | 20    | 19.0   | ug/L | 95  |     |      | 79  | 120            |     |
|               | 1,2-Dichloroethane             | 20    | 18.6   | ug/L | 93  |     |      | 73  | 128            |     |
|               | Trichloroethene                | 20    | 18.6   | ug/L | 93  |     |      | 79  | 123            |     |
|               | 1,2-Dichloropropane            | 20    | 18.6   | ug/L | 93  |     |      | 78  | 122            |     |
|               | Bromodichloromethane           | 20    | 18.6   | ug/L | 93  |     |      | 79  | 125            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 95.6   | ug/L | 96  |     |      | 67  | 130            |     |
|               | Toluene                        | 20    | 19.6   | ug/L | 98  |     |      | 80  | 121            |     |
|               | t-1,3-Dichloropropene          | 20    | 19.5   | ug/L | 98  |     |      | 73  | 127            |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.0   | ug/L | 100 |     |      | 75  | 124            |     |
|               | 1,1,2-Trichloroethane          | 20    | 19.1   | ug/L | 96  |     |      | 80  | 119            |     |
|               | 2-Hexanone                     | 100   | 97.0   | ug/L | 97  |     |      | 57  | 139            |     |
|               | Dibromochloromethane           | 20    | 18.5   | ug/L | 93  |     |      | 74  | 126            |     |
|               | Tetrachloroethene              | 20    | 19.0   | ug/L | 95  |     |      | 74  | 129            |     |
|               | Chlorobenzene                  | 20    | 19.6   | ug/L | 98  |     |      | 82  | 118            |     |
|               | Ethyl Benzene                  | 20    | 19.4   | ug/L | 97  |     |      | 79  | 121            |     |
|               | m/p-Xylenes                    | 40    | 40.1   | ug/L | 100 |     |      | 80  | 121            |     |
|               | o-Xylene                       | 20    | 19.7   | ug/L | 99  |     |      | 78  | 122            |     |
|               | Styrene                        | 20    | 20.2   | ug/L | 101 |     |      | 78  | 123            |     |
|               | Bromoform                      | 20    | 18.2   | ug/L | 91  |     |      | 66  | 130            |     |
|               | Isopropylbenzene               | 20    | 19.4   | ug/L | 97  |     |      | 72  | 131            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 18.3   | ug/L | 92  |     |      | 71  | 121            |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.5   | ug/L | 98  |     |      | 80  | 119            |     |
|               | 1,4-Dichlorobenzene            | 20    | 19.4   | ug/L | 97  |     |      | 79  | 118            |     |
|               | 1,2-Dichlorobenzene            | 20    | 19.4   | ug/L | 97  |     |      | 80  | 119            |     |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0225WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1423

SAS No.: Q1423 SDG NO.: Q1423

Lab File ID: VX045031.D

Lab Sample ID: VX0225WBL01

Date Analyzed: 02/25/2025

Time Analyzed: 12:07

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|
| VX0225WBS01           | VX0225WBS01      | VX045032.D     | 02/25/2025       |
| VX0225WBSD01          | VX0225WBSD01     | VX045033.D     | 02/25/2025       |
| VPB192-HYD-20250221   | Q1423-02         | VX045038.D     | 02/25/2025       |
| BP-VPB-192-GW-925-927 | Q1423-04         | VX045041.D     | 02/25/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0228WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1423

SAS No.: Q1423 SDG NO.: Q1423

Lab File ID: VX045079.D

Lab Sample ID: VX0228WBL01

Date Analyzed: 02/28/2025

Time Analyzed: 11:23

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO.      | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|------------------------|------------------|----------------|------------------|
| VX0228WBS01            | VX0228WBS01      | VX045080.D     | 02/28/2025       |
| BP-VPB-192-TB-20250220 | Q1423-01         | VX045084.D     | 02/28/2025       |
| BP-VPB-192-EB-20250221 | Q1423-03         | VX045085.D     | 02/28/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
Lab File ID: VX044867.D BFB Injection Date: 02/10/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:35  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.6 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 75.9                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.7 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 72.6 ( 95.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.5 ( 6.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC001         | VSTDIC001        | VX044868.D     | 02/10/2025       | 10:25            |
| VSTDIC005         | VSTDIC005        | VX044869.D     | 02/10/2025       | 10:48            |
| VSTDIC020         | VSTDIC020        | VX044870.D     | 02/10/2025       | 11:11            |
| VSTDIC050         | VSTDIC050        | VX044871.D     | 02/10/2025       | 11:34            |
| VSTDIC100         | VSTDIC100        | VX044872.D     | 02/10/2025       | 12:05            |
| VSTDIC150         | VSTDIC150        | VX044873.D     | 02/10/2025       | 12:28            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
Lab File ID: VX045028.D BFB Injection Date: 02/25/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:30  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 21.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.8 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 76.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.7 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 73.8 ( 96.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.7 ( 6.3 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050            | VSTDCCC050       | VX045029.D     | 02/25/2025       | 10:00            |
| VX0225WBL01           | VX0225WBL01      | VX045031.D     | 02/25/2025       | 12:07            |
| VX0225WBS01           | VX0225WBS01      | VX045032.D     | 02/25/2025       | 12:30            |
| VX0225WBSD01          | VX0225WBSD01     | VX045033.D     | 02/25/2025       | 12:57            |
| VPB192-HYD-20250221   | Q1423-02         | VX045038.D     | 02/25/2025       | 14:54            |
| BP-VPB-192-GW-925-927 | Q1423-04         | VX045041.D     | 02/25/2025       | 16:03            |
| VSTDCCC050EC          | VSTDCCC050       | VX045042.D     | 02/25/2025       | 16:28            |



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
Lab File ID: VX045067.D BFB Injection Date: 02/28/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 01:03  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 20.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 53.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.7 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 73.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.8 ( 7.9 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.6 ( 95.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC001         | VSTDIC001        | VX045068.D     | 02/28/2025       | 01:27            |
| VSTDIC005         | VSTDIC005        | VX045069.D     | 02/28/2025       | 02:13            |
| VSTDIC020         | VSTDIC020        | VX045070.D     | 02/28/2025       | 02:37            |
| VSTDIC050         | VSTDIC050        | VX045071.D     | 02/28/2025       | 03:00            |
| VSTDIC100         | VSTDIC100        | VX045072.D     | 02/28/2025       | 03:23            |
| VSTDIC150         | VSTDIC150        | VX045073.D     | 02/28/2025       | 03:47            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
Lab File ID: VX045076.D BFB Injection Date: 02/28/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 10:03  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 21.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.2                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.8 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 74.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 72.8 ( 97.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.1 ( 7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO.      | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|------------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050             | VSTDCCC050       | VX045077.D     | 02/28/2025       | 10:32            |
| VX0228WBL01            | VX0228WBL01      | VX045079.D     | 02/28/2025       | 11:23            |
| VX0228WBS01            | VX0228WBS01      | VX045080.D     | 02/28/2025       | 11:46            |
| BP-VPB-192-TB-20250220 | Q1423-01         | VX045084.D     | 02/28/2025       | 13:23            |
| BP-VPB-192-EB-20250221 | Q1423-03         | VX045085.D     | 02/28/2025       | 13:47            |
| VSTDCCC050EC           | VSTDCCC050       | VX045098.D     | 02/28/2025       | 18:50            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
Lab File ID: VX045029.D Date Analyzed: 02/25/2025  
Instrument ID: MSVOA\_X Time Analyzed: 10:00  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                       | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|-----------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD           | 110252        | 5.54  | 188741        | 6.75  | 166334        | 10.05  |
| UPPER LIMIT           | 220504        | 6.044 | 377482        | 7.251 | 332668        | 10.549 |
| LOWER LIMIT           | 55126         | 5.044 | 94370.5       | 6.251 | 83167         | 9.549  |
| EPA SAMPLE NO.        |               |       |               |       |               |        |
| VPB192-HYD-20250221   | 78098         | 5.54  | 154583        | 6.76  | 143564        | 10.05  |
| BP-VPB-192-GW-925-927 | 78013         | 5.54  | 157287        | 6.76  | 140409        | 10.06  |
| VX0225WBL01           | 79395         | 5.55  | 159366        | 6.76  | 142850        | 10.05  |
| VX0225WBS01           | 112915        | 5.55  | 200483        | 6.76  | 175398        | 10.05  |
| VX0225WBSD01          | 104015        | 5.55  | 184616        | 6.76  | 164218        | 10.05  |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
 Lab File ID: VX045029.D Date Analyzed: 02/25/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 10:00  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                       | IS4<br>AREA # | RT #   |  |  |  |  |
|-----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD           | 76720         | 12.018 |  |  |  |  |
| UPPER LIMIT           | 153440        | 12.518 |  |  |  |  |
| LOWER LIMIT           | 38360         | 11.518 |  |  |  |  |
| EPA SAMPLE NO.        |               |        |  |  |  |  |
| VPB192-HYD-20250221   | 57225         | 12.02  |  |  |  |  |
| BP-VPB-192-GW-925-927 | 56448         | 12.02  |  |  |  |  |
| VX0225WBL01           | 58355         | 12.02  |  |  |  |  |
| VX0225WBS01           | 80174         | 12.02  |  |  |  |  |
| VX0225WBSD01          | 77007         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
Lab File ID: VX045077.D Date Analyzed: 02/28/2025  
Instrument ID: MSVOA\_X Time Analyzed: 10:32  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                        | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|------------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD            | 111989        | 5.54  | 196414        | 6.75  | 172369        | 10.05  |
| UPPER LIMIT            | 223978        | 6.037 | 392828        | 7.251 | 344738        | 10.549 |
| LOWER LIMIT            | 55994.5       | 5.037 | 98207         | 6.251 | 86184.5       | 9.549  |
| EPA SAMPLE NO.         |               |       |               |       |               |        |
| BP-VPB-192-TB-20250220 | 70094         | 5.55  | 139228        | 6.76  | 127899        | 10.06  |
| BP-VPB-192-EB-20250221 | 68971         | 5.54  | 136036        | 6.76  | 125036        | 10.06  |
| VX0228WBL01            | 76430         | 5.54  | 149381        | 6.76  | 137180        | 10.05  |
| VX0228WBS01            | 108329        | 5.54  | 192724        | 6.76  | 169474        | 10.05  |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423  
 Lab File ID: VX045077.D Date Analyzed: 02/28/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 10:32  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                        | IS4<br>AREA # | RT #   |  |  |  |  |
|------------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD            | 76314         | 12.018 |  |  |  |  |
| UPPER LIMIT            | 152628        | 12.518 |  |  |  |  |
| LOWER LIMIT            | 38157         | 11.518 |  |  |  |  |
| EPA SAMPLE NO.         |               |        |  |  |  |  |
| BP-VPB-192-TB-20250220 | 54116         | 12.02  |  |  |  |  |
| BP-VPB-192-EB-20250221 | 51925         | 12.02  |  |  |  |  |
| VX0228WBL01            | 59690         | 12.02  |  |  |  |  |
| VX0228WBS01            | 76472         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.



# QC SAMPLE DATA

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBL01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045031.D        | 1         |           | 02/25/25 12:07 | VX022525      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |



## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBL01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045031.D        | 1         |           | 02/25/25 12:07 | VX022525      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 53.6   |           | 81 - 118 |      | 107%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 50.3   |           | 80 - 119 |      | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 48.4   |           | 89 - 112 |      | 97%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 47.5   |           | 85 - 114 |      | 95%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 79400  | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 159000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 143000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 58400  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBL01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045031.D        | 1         |           | 02/25/25 12:07 | VX022525      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0228WBL01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0228WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045079.D        | 1         |           | 02/28/25 11:23 | VX022825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 2.50  | U         | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0228WBL01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0228WBL01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045079.D        | 1         |           | 02/28/25 11:23 | VX022825      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 50.0   |           | 81 - 118 |      | 100%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 51.0   |           | 80 - 119 |      | 102%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.9   |           | 89 - 112 |      | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 53.3   |           | 85 - 114 |      | 107%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 76400  | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 149000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 137000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 59700  | 12.018    |          |      |            |         |

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

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBS01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBS01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045032.D        | 1         |           | 02/25/25 12:30 | VX022525      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 15.3  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 16.6  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 20.6  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 21.1  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 18.6  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 19.1  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 17.0  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 110   |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 15.3  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 18.8  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.5  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.7  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 18.7  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 120   |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.6  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.8  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 19.6  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.7  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 18.2  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.1  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 21.3  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 19.2  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 19.8  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.4  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 120   |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.6  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 18.7  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 19.3  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 20.7  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 120   |           | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBS01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBS01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045032.D        | 1         |           | 02/25/25 12:30 | VX022525      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 20.2   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 19.2   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 19.5   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 19.0   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 38.8   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 19.5   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 20.0   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 21.0   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 19.0   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 19.7   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 18.6   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 18.6   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 19.2   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 53.0   |           | 81 - 118 |      | 106%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 52.8   |           | 80 - 119 |      | 106%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.6   |           | 89 - 112 |      | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.6   |           | 85 - 114 |      | 103%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 113000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 200000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 175000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 80200  | 12.018    |          |      |            |         |

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

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0228WBS01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0228WBS01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045080.D        | 1         |           | 02/28/25 11:46 | VX022825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 18.6  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 18.4  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 17.7  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 16.6  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 18.6  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 19.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 18.1  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 83.3  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 17.7  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.9  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 17.9  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.6  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 17.9  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 91.6  |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 18.5  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.2  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 18.1  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.2  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 20.8  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.0  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 18.6  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 18.6  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 18.6  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 18.6  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 95.6  |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.6  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.5  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.0  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 19.1  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 97.0  |           | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0228WBS01          |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0228WBS01          |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045080.D        | 1         |           | 02/28/25 11:46 | VX022825      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 18.5   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 19.0   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 19.6   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 19.4   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 40.1   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 19.7   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 20.2   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 18.2   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 19.4   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 18.3   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 19.5   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 19.4   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 19.4   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 46.9   |           | 81 - 118 |      | 94%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 48.2   |           | 80 - 119 |      | 96%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.1   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.0   |           | 85 - 114 |      | 102%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 108000 | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 193000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 169000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 76500  | 12.018    |          |      |            |         |

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



## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBSD01         |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBSD01         |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045033.D        | 1         |           | 02/25/25 12:57 | VX022525      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 74-87-3        | Chloromethane                  | 15.6  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 16.1  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 20.5  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 22.7  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 18.9  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.4  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 17.1  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 120   |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 15.3  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.2  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.5  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.6  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 18.6  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 120   |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.6  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.6  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 19.7  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.9  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 18.8  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 18.8  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 21.5  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 19.4  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 19.9  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.9  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 130   |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.3  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 18.3  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 19.7  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.0  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone                     | 130   |           | 1.10 | 2.50 | 5.00       | ug/L  |

## Report of Analysis

|                    |                      |           |                 |              |
|--------------------|----------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc. |           | Date Collected: |              |
| Project:           | CTO WE13             |           | Date Received:  |              |
| Client Sample ID:  | VX0225WBSD01         |           | SDG No.:        | Q1423        |
| Lab Sample ID:     | VX0225WBSD01         |           | Matrix:         | Water        |
| Analytical Method: | SW8260               |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5                    | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                      | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI             | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                      |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045033.D        | 1         |           | 02/25/25 12:57 | VX022525      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 20.7   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene         | 19.2   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene             | 19.3   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 19.2   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 39.5   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 19.3   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 20.2   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 21.2   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene          | 18.7   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 20.2   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene       | 19.2   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene       | 18.6   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene       | 19.8   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 53.4   |           | 81 - 118 |      | 107%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 53.7   |           | 80 - 119 |      | 107%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 49.7   |           | 89 - 112 |      | 99%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 53.8   |           | 85 - 114 |      | 108%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene        | 104000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 185000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 164000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 77000  | 12.018    |          |      |            |         |

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



# CALIBRATION SUMMARY

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/10/2025 02/10/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   |        | RRF001 = VX044868.D |        | RRF005 = VX044869.D |        | RRF020 = VX044870.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VX044871.D |        | RRF100 = VX044872.D |        | RRF150 = VX044873.D |       |       |  |
| COMPOUND                       | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Chloromethane                  | 0.958  | 0.860               | 0.862  | 0.843               | 0.805  | 0.793               | 0.854 | 6.9   |  |
| Vinyl Chloride                 | 0.839  | 0.846               | 0.847  | 0.808               | 0.807  | 0.814               | 0.827 | 2.3   |  |
| Bromomethane                   |        | 0.248               | 0.252  | 0.249               | 0.242  | 0.246               | 0.247 | 1.4   |  |
| Chloroethane                   | 0.500  | 0.288               | 0.280  | 0.341               | 0.249  | 0.181               | 0.307 | 35.4  |  |
| Trichlorofluoromethane         | 1.062  | 1.066               | 1.096  | 1.029               | 1.013  | 1.008               | 1.046 | 3.3   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.583  | 0.647               | 0.668  | 0.626               | 0.631  | 0.637               | 0.632 | 4.5   |  |
| 1,1-Dichloroethene             | 0.647  | 0.639               | 0.661  | 0.630               | 0.632  | 0.657               | 0.644 | 2     |  |
| Acetone                        | 0.305  | 0.292               | 0.298  | 0.293               | 0.285  | 0.292               | 0.294 | 2.3   |  |
| Carbon Disulfide               | 1.689  | 1.732               | 1.786  | 1.762               | 1.789  | 1.846               | 1.767 | 3     |  |
| Methyl tert-butyl Ether        | 1.941  | 2.065               | 2.130  | 2.046               | 2.011  | 2.110               | 2.050 | 3.4   |  |
| Methylene Chloride             | 0.747  | 0.717               | 0.741  | 0.704               | 0.695  | 0.720               | 0.721 | 2.8   |  |
| trans-1,2-Dichloroethene       | 0.608  | 0.622               | 0.657  | 0.640               | 0.633  | 0.644               | 0.634 | 2.7   |  |
| 1,1-Dichloroethane             | 1.155  | 1.257               | 1.292  | 1.227               | 1.209  | 1.257               | 1.233 | 3.9   |  |
| 2-Butanone                     | 0.422  | 0.472               | 0.504  | 0.506               | 0.477  | 0.487               | 0.478 | 6.4   |  |
| Carbon Tetrachloride           | 0.457  | 0.466               | 0.478  | 0.453               | 0.445  | 0.459               | 0.460 | 2.4   |  |
| cis-1,2-Dichloroethene         | 0.680  | 0.783               | 0.812  | 0.758               | 0.758  | 0.779               | 0.762 | 5.9   |  |
| Chloroform                     | 1.167  | 1.209               | 1.268  | 1.169               | 1.153  | 1.208               | 1.196 | 3.5   |  |
| 1,1,1-Trichloroethane          | 1.014  | 1.003               | 1.051  | 1.005               | 0.984  | 1.028               | 1.014 | 2.3   |  |
| Methylcyclohexane              | 0.509  | 0.571               | 0.667  | 0.622               | 0.634  | 0.635               | 0.606 | 9.4   |  |
| Benzene                        | 1.370  | 1.488               | 1.577  | 1.470               | 1.429  | 1.453               | 1.465 | 4.7   |  |
| 1,2-Dichloroethane             | 0.417  | 0.465               | 0.502  | 0.472               | 0.462  | 0.482               | 0.467 | 6.1   |  |
| Trichloroethene                | 0.293  | 0.340               | 0.367  | 0.335               | 0.332  | 0.343               | 0.335 | 7.2   |  |
| 1,2-Dichloropropane            | 0.343  | 0.354               | 0.389  | 0.367               | 0.360  | 0.372               | 0.364 | 4.3   |  |
| Bromodichloromethane           | 0.428  | 0.481               | 0.514  | 0.500               | 0.500  | 0.513               | 0.489 | 6.6   |  |
| 4-Methyl-2-Pentanone           | 0.439  | 0.514               | 0.562  | 0.554               | 0.506  | 0.498               | 0.512 | 8.6   |  |
| Toluene                        | 0.776  | 0.872               | 0.957  | 0.898               | 0.866  | 0.864               | 0.872 | 6.7   |  |
| t-1,3-Dichloropropene          | 0.417  | 0.451               | 0.518  | 0.514               | 0.528  | 0.543               | 0.495 | 10    |  |
| cis-1,3-Dichloropropene        | 0.452  | 0.511               | 0.587  | 0.577               | 0.587  | 0.599               | 0.552 | 10.5  |  |
| 1,1,2-Trichloroethane          | 0.307  | 0.342               | 0.362  | 0.341               | 0.331  | 0.329               | 0.335 | 5.4   |  |
| 2-Hexanone                     | 0.313  | 0.360               | 0.406  | 0.404               | 0.369  | 0.362               | 0.369 | 9.3   |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.  
 RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/10/2025 02/10/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:              |        | RRF001 = VX044868.D |        | RRF005 = VX044869.D |        | RRF020 = VX044870.D |       |       |  |
|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                           |        | RRF050 = VX044871.D |        | RRF100 = VX044872.D |        | RRF150 = VX044873.D |       |       |  |
| COMPOUND                  | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dibromochloromethane      | 0.317  | 0.342               | 0.381  | 0.373               | 0.368  | 0.370               | 0.359 | 6.7   |  |
| Tetrachloroethene         | 0.306  | 0.311               | 0.343  | 0.310               | 0.307  | 0.314               | 0.315 | 4.4   |  |
| Chlorobenzene             | 0.969  | 1.093               | 1.140  | 1.096               | 1.071  | 1.076               | 1.074 | 5.3   |  |
| Ethyl Benzene             | 1.690  | 1.873               | 2.021  | 1.935               | 1.923  | 1.929               | 1.895 | 5.9   |  |
| m/p-Xylenes               | 0.616  | 0.700               | 0.754  | 0.724               | 0.706  | 0.694               | 0.699 | 6.6   |  |
| o-Xylene                  | 0.661  | 0.721               | 0.747  | 0.707               | 0.691  | 0.681               | 0.701 | 4.4   |  |
| Styrene                   | 0.909  | 1.124               | 1.249  | 1.199               | 1.161  | 1.139               | 1.130 | 10.4  |  |
| Bromoform                 | 0.186  | 0.247               | 0.272  | 0.280               | 0.276  | 0.287               | 0.258 | 14.7  |  |
| Isopropylbenzene          | 3.735  | 4.012               | 4.347  | 4.045               | 3.940  | 4.076               | 4.026 | 4.9   |  |
| 1,1,2,2-Tetrachloroethane | 1.429  | 1.403               | 1.438  | 1.366               | 1.305  | 1.360               | 1.383 | 3.6   |  |
| 1,3-Dichlorobenzene       | 1.616  | 1.669               | 1.741  | 1.679               | 1.663  | 1.703               | 1.678 | 2.5   |  |
| 1,4-Dichlorobenzene       | 1.662  | 1.712               | 1.762  | 1.686               | 1.660  | 1.701               | 1.697 | 2.2   |  |
| 1,2-Dichlorobenzene       | 1.512  | 1.713               | 1.763  | 1.666               | 1.604  | 1.639               | 1.650 | 5.3   |  |
| 1,2-Dichloroethane-d4     |        | 0.764               | 0.718  | 0.723               | 0.707  | 0.747               | 0.732 | 3.2   |  |
| Dibromofluoromethane      |        | 0.335               | 0.322  | 0.320               | 0.320  | 0.328               | 0.325 | 2     |  |
| Toluene-d8                |        | 1.239               | 1.249  | 1.239               | 1.208  | 1.212               | 1.229 | 1.5   |  |
| 4-Bromofluorobenzene      |        | 0.404               | 0.410  | 0.431               | 0.415  | 0.412               | 0.414 | 2.5   |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.  
 RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06  
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423  
Instrument ID: MSVOA\_X Calibration Date(s): 02/28/2025 02/28/2025  
Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47  
GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   |        | RRF001 = VX045068.D |        | RRF005 = VX045069.D |        | RRF020 = VX045070.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VX045071.D |        | RRF100 = VX045072.D |        | RRF150 = VX045073.D |       |       |  |
| COMPOUND                       | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Chloromethane                  | 0.755  | 0.821               | 0.828  | 0.753               | 0.721  | 0.744               | 0.770 | 5.7   |  |
| Vinyl Chloride                 | 0.773  | 0.755               | 0.774  | 0.761               | 0.765  | 0.758               | 0.764 | 1     |  |
| Bromomethane                   |        | 0.337               | 0.298  | 0.292               | 0.284  | 0.291               | 0.300 | 7     |  |
| Chloroethane                   | 0.373  | 0.421               | 0.366  | 0.373               | 0.297  | 0.286               | 0.352 | 14.5  |  |
| Trichlorofluoromethane         | 0.978  | 1.061               | 1.050  | 1.050               | 0.982  | 0.948               | 1.012 | 4.7   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.526  | 0.613               | 0.595  | 0.594               | 0.596  | 0.563               | 0.581 | 5.4   |  |
| 1,1-Dichloroethene             | 0.609  | 0.620               | 0.612  | 0.623               | 0.620  | 0.603               | 0.614 | 1.3   |  |
| Acetone                        | 0.414  | 0.363               | 0.384  | 0.351               | 0.345  | 0.356               | 0.369 | 7     |  |
| Carbon Disulfide               | 1.584  | 1.582               | 1.587  | 1.660               | 1.708  | 1.698               | 1.636 | 3.6   |  |
| Methyl tert-butyl Ether        | 1.955  | 1.913               | 2.127  | 2.083               | 2.132  | 2.158               | 2.061 | 5     |  |
| Methylene Chloride             | 0.806  | 0.730               | 0.752  | 0.698               | 0.694  | 0.706               | 0.731 | 5.8   |  |
| trans-1,2-Dichloroethene       | 0.540  | 0.619               | 0.603  | 0.631               | 0.634  | 0.616               | 0.607 | 5.7   |  |
| 1,1-Dichloroethane             | 1.200  | 1.223               | 1.280  | 1.242               | 1.270  | 1.264               | 1.247 | 2.5   |  |
| 2-Butanone                     | 0.476  | 0.545               | 0.610  | 0.579               | 0.553  | 0.570               | 0.555 | 8.1   |  |
| Carbon Tetrachloride           | 0.463  | 0.463               | 0.447  | 0.468               | 0.489  | 0.463               | 0.465 | 3     |  |
| cis-1,2-Dichloroethene         | 0.687  | 0.746               | 0.765  | 0.762               | 0.767  | 0.769               | 0.749 | 4.2   |  |
| Chloroform                     | 1.206  | 1.247               | 1.278  | 1.246               | 1.230  | 1.225               | 1.239 | 2     |  |
| 1,1,1-Trichloroethane          | 0.908  | 0.992               | 1.009  | 1.024               | 1.044  | 1.025               | 1.000 | 4.8   |  |
| Methylcyclohexane              | 0.464  | 0.530               | 0.560  | 0.585               | 0.607  | 0.550               | 0.549 | 9.1   |  |
| Benzene                        | 1.321  | 1.459               | 1.491  | 1.496               | 1.497  | 1.424               | 1.448 | 4.7   |  |
| 1,2-Dichloroethane             | 0.487  | 0.525               | 0.545  | 0.528               | 0.524  | 0.520               | 0.521 | 3.6   |  |
| Trichloroethene                | 0.319  | 0.351               | 0.339  | 0.341               | 0.354  | 0.336               | 0.340 | 3.7   |  |
| 1,2-Dichloropropane            | 0.354  | 0.378               | 0.382  | 0.371               | 0.376  | 0.373               | 0.372 | 2.7   |  |
| Bromodichloromethane           | 0.478  | 0.503               | 0.536  | 0.524               | 0.528  | 0.528               | 0.516 | 4.2   |  |
| 4-Methyl-2-Pentanone           | 0.535  | 0.570               | 0.647  | 0.610               | 0.579  | 0.579               | 0.587 | 6.5   |  |
| Toluene                        | 0.716  | 0.872               | 0.892  | 0.898               | 0.874  | 0.845               | 0.849 | 8     |  |
| t-1,3-Dichloropropene          | 0.304  | 0.389               | 0.436  | 0.469               | 0.490  | 0.502               | 0.431 | 17.3  |  |
| cis-1,3-Dichloropropene        | 0.404  | 0.463               | 0.509  | 0.535               | 0.555  | 0.553               | 0.503 | 11.8  |  |
| 1,1,2-Trichloroethane          | 0.346  | 0.348               | 0.371  | 0.356               | 0.341  | 0.336               | 0.350 | 3.6   |  |
| 2-Hexanone                     | 0.349  | 0.412               | 0.476  | 0.448               | 0.431  | 0.436               | 0.425 | 10.1  |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06  
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/28/2025 02/28/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:              |        | RRF001 = VX045068.D |        | RRF005 = VX045069.D |        | RRF020 = VX045070.D |       |       |  |
|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                           |        | RRF050 = VX045071.D |        | RRF100 = VX045072.D |        | RRF150 = VX045073.D |       |       |  |
| COMPOUND                  | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dibromochloromethane      | 0.305  | 0.349               | 0.390  | 0.384               | 0.385  | 0.380               | 0.366 | 9     |  |
| Tetrachloroethene         | 0.315  | 0.326               | 0.319  | 0.324               | 0.329  | 0.309               | 0.320 | 2.3   |  |
| Chlorobenzene             | 0.968  | 1.054               | 1.090  | 1.092               | 1.100  | 1.045               | 1.058 | 4.7   |  |
| Ethyl Benzene             | 1.566  | 1.794               | 1.889  | 1.952               | 1.972  | 1.888               | 1.843 | 8.1   |  |
| m/p-Xylenes               | 0.555  | 0.672               | 0.711  | 0.724               | 0.715  | 0.673               | 0.675 | 9.3   |  |
| o-Xylene                  | 0.609  | 0.689               | 0.702  | 0.706               | 0.707  | 0.670               | 0.681 | 5.5   |  |
| Styrene                   | 0.879  | 1.060               | 1.170  | 1.181               | 1.183  | 1.134               | 1.101 | 10.7  |  |
| Bromoform                 | 0.209  | 0.234               | 0.276  | 0.276               | 0.300  | 0.300               | 0.266 | 13.9  |  |
| Isopropylbenzene          | 3.397  | 4.034               | 3.999  | 4.135               | 4.006  | 3.845               | 3.903 | 6.8   |  |
| 1,1,2,2-Tetrachloroethane | 1.395  | 1.479               | 1.513  | 1.419               | 1.391  | 1.396               | 1.432 | 3.6   |  |
| 1,3-Dichlorobenzene       | 1.502  | 1.652               | 1.710  | 1.668               | 1.675  | 1.649               | 1.643 | 4.4   |  |
| 1,4-Dichlorobenzene       | 1.605  | 1.702               | 1.665  | 1.687               | 1.669  | 1.643               | 1.662 | 2.1   |  |
| 1,2-Dichlorobenzene       | 1.479  | 1.695               | 1.735  | 1.668               | 1.687  | 1.622               | 1.648 | 5.5   |  |
| 1,2-Dichloroethane-d4     |        | 0.836               | 0.784  | 0.757               | 0.783  | 0.817               | 0.795 | 3.9   |  |
| Dibromofluoromethane      |        | 0.329               | 0.335  | 0.329               | 0.340  | 0.338               | 0.334 | 1.5   |  |
| Toluene-d8                |        | 1.237               | 1.191  | 1.210               | 1.219  | 1.203               | 1.212 | 1.4   |  |
| 4-Bromofluorobenzene      |        | 0.383               | 0.393  | 0.402               | 0.410  | 0.421               | 0.402 | 3.7   |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.  
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/25/2025 10:00

Lab File ID: VX045029.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Chloromethane                  | 0.854 | 0.745  | 0.1        | -12.76 | 20    |
| Vinyl Chloride                 | 0.827 | 0.732  |            | -11.49 | 20    |
| Bromomethane                   | 0.247 | 0.252  |            | 2.02   | 20    |
| Chloroethane                   | 0.307 | 0.346  |            | 12.7   | 20    |
| Trichlorofluoromethane         | 1.046 | 1.033  |            | -1.24  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.617  |            | -2.37  | 20    |
| 1,1-Dichloroethene             | 0.644 | 0.593  |            | -7.92  | 20    |
| Acetone                        | 0.294 | 0.364  |            | 23.81  | 20    |
| Carbon Disulfide               | 1.767 | 1.454  |            | -17.71 | 20    |
| Methyl tert-butyl Ether        | 2.050 | 1.972  |            | -3.81  | 20    |
| Methylene Chloride             | 0.721 | 0.673  |            | -6.66  | 20    |
| trans-1,2-Dichloroethene       | 0.634 | 0.582  |            | -8.2   | 20    |
| 1,1-Dichloroethane             | 1.233 | 1.194  | 0.1        | -3.16  | 20    |
| 2-Butanone                     | 0.478 | 0.544  |            | 13.81  | 20    |
| Carbon Tetrachloride           | 0.460 | 0.478  |            | 3.91   | 20    |
| cis-1,2-Dichloroethene         | 0.762 | 0.721  |            | -5.38  | 20    |
| Chloroform                     | 1.196 | 1.170  |            | -2.17  | 20    |
| 1,1,1-Trichloroethane          | 1.014 | 0.979  |            | -3.45  | 20    |
| Methylcyclohexane              | 0.606 | 0.609  |            | 0.5    | 20    |
| Benzene                        | 1.465 | 1.459  |            | -0.41  | 20    |
| 1,2-Dichloroethane             | 0.467 | 0.504  |            | 7.92   | 20    |
| Trichloroethene                | 0.335 | 0.339  |            | 1.19   | 20    |
| 1,2-Dichloropropane            | 0.364 | 0.376  |            | 3.3    | 20    |
| Bromodichloromethane           | 0.489 | 0.538  |            | 10.02  | 20    |
| 4-Methyl-2-Pentanone           | 0.512 | 0.618  |            | 20.7   | 20    |
| Toluene                        | 0.872 | 0.882  |            | 1.15   | 20    |
| t-1,3-Dichloropropene          | 0.495 | 0.515  |            | 4.04   | 20    |
| cis-1,3-Dichloropropene        | 0.552 | 0.576  |            | 4.35   | 20    |
| 1,1,2-Trichloroethane          | 0.335 | 0.356  |            | 6.27   | 20    |
| 2-Hexanone                     | 0.369 | 0.458  |            | 24.12  | 20    |
| Dibromochloromethane           | 0.359 | 0.394  |            | 9.75   | 20    |
| Tetrachloroethene              | 0.315 | 0.319  |            | 1.27   | 20    |
| Chlorobenzene                  | 1.074 | 1.097  | 0.3        | 2.14   | 20    |
| Ethyl Benzene                  | 1.895 | 1.927  |            | 1.69   | 20    |
| m/p-Xylenes                    | 0.699 | 0.720  |            | 3      | 20    |
| o-Xylene                       | 0.701 | 0.716  |            | 2.14   | 20    |
| Styrene                        | 1.130 | 1.200  |            | 6.2    | 20    |
| Bromoform                      | 0.258 | 0.297  | 0.1        | 15.12  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/25/2025 10:00

Lab File ID: VX045029.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|---------------------------|-------|--------|------------|-------|-------|
| Isopropylbenzene          | 4.026 | 3.989  |            | -0.92 | 20    |
| 1,1,2,2-Tetrachloroethane | 1.383 | 1.395  | 0.3        | 0.87  | 20    |
| 1,3-Dichlorobenzene       | 1.678 | 1.702  |            | 1.43  | 20    |
| 1,4-Dichlorobenzene       | 1.697 | 1.703  |            | 0.35  | 20    |
| 1,2-Dichlorobenzene       | 1.650 | 1.713  |            | 3.82  | 20    |
| 1,2-Dichloroethane-d4     | 0.732 | 0.737  |            | 0.68  | 20    |
| Dibromofluoromethane      | 0.325 | 0.348  |            | 7.08  | 20    |
| Toluene-d8                | 1.229 | 1.235  |            | 0.49  | 20    |
| 4-Bromofluorobenzene      | 0.414 | 0.445  |            | 7.49  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/25/2025 16:28

Lab File ID: VX045042.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Chloromethane                  | 0.854 | 0.726  | 0.1        | -14.99 | 50    |
| Vinyl Chloride                 | 0.827 | 0.730  |            | -11.73 | 50    |
| Bromomethane                   | 0.247 | 0.257  |            | 4.05   | 50    |
| Chloroethane                   | 0.307 | 0.394  |            | 28.34  | 50    |
| Trichlorofluoromethane         | 1.046 | 1.033  |            | -1.24  | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.618  |            | -2.21  | 50    |
| 1,1-Dichloroethene             | 0.644 | 0.588  |            | -8.7   | 50    |
| Acetone                        | 0.294 | 0.351  |            | 19.39  | 50    |
| Carbon Disulfide               | 1.767 | 1.404  |            | -20.54 | 50    |
| Methyl tert-butyl Ether        | 2.050 | 1.999  |            | -2.49  | 50    |
| Methylene Chloride             | 0.721 | 0.693  |            | -3.88  | 50    |
| trans-1,2-Dichloroethene       | 0.634 | 0.586  |            | -7.57  | 50    |
| 1,1-Dichloroethane             | 1.233 | 1.217  | 0.1        | -1.3   | 50    |
| 2-Butanone                     | 0.478 | 0.582  |            | 21.76  | 50    |
| Carbon Tetrachloride           | 0.460 | 0.456  |            | -0.87  | 50    |
| cis-1,2-Dichloroethene         | 0.762 | 0.735  |            | -3.54  | 50    |
| Chloroform                     | 1.196 | 1.210  |            | 1.17   | 50    |
| 1,1,1-Trichloroethane          | 1.014 | 0.999  |            | -1.48  | 50    |
| Methylcyclohexane              | 0.606 | 0.586  |            | -3.3   | 50    |
| Benzene                        | 1.465 | 1.440  |            | -1.71  | 50    |
| 1,2-Dichloroethane             | 0.467 | 0.512  |            | 9.64   | 50    |
| Trichloroethene                | 0.335 | 0.332  |            | -0.9   | 50    |
| 1,2-Dichloropropane            | 0.364 | 0.369  |            | 1.37   | 50    |
| Bromodichloromethane           | 0.489 | 0.527  |            | 7.77   | 50    |
| 4-Methyl-2-Pentanone           | 0.512 | 0.643  |            | 25.59  | 50    |
| Toluene                        | 0.872 | 0.881  |            | 1.03   | 50    |
| t-1,3-Dichloropropene          | 0.495 | 0.493  |            | -0.4   | 50    |
| cis-1,3-Dichloropropene        | 0.552 | 0.553  |            | 0.18   | 50    |
| 1,1,2-Trichloroethane          | 0.335 | 0.357  |            | 6.57   | 50    |
| 2-Hexanone                     | 0.369 | 0.477  |            | 29.27  | 50    |
| Dibromochloromethane           | 0.359 | 0.388  |            | 8.08   | 50    |
| Tetrachloroethene              | 0.315 | 0.301  |            | -4.44  | 50    |
| Chlorobenzene                  | 1.074 | 1.075  | 0.3        | 0.09   | 50    |
| Ethyl Benzene                  | 1.895 | 1.889  |            | -0.32  | 50    |
| m/p-Xylenes                    | 0.699 | 0.704  |            | 0.71   | 50    |
| o-Xylene                       | 0.701 | 0.697  |            | -0.57  | 50    |
| Styrene                        | 1.130 | 1.186  |            | 4.96   | 50    |
| Bromoform                      | 0.258 | 0.284  | 0.1        | 10.08  | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/25/2025 16:28

Lab File ID: VX045042.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|---------------------------|-------|--------|------------|--------|-------|
| Isopropylbenzene          | 4.026 | 3.925  |            | -2.51  | 50    |
| 1,1,2,2-Tetrachloroethane | 1.383 | 1.401  | 0.3        | 1.3    | 50    |
| 1,3-Dichlorobenzene       | 1.678 | 1.635  |            | -2.56  | 50    |
| 1,4-Dichlorobenzene       | 1.697 | 1.651  |            | -2.71  | 50    |
| 1,2-Dichlorobenzene       | 1.650 | 1.641  |            | -0.55  | 50    |
| 1,2-Dichloroethane-d4     | 0.732 | 0.643  |            | -12.16 | 50    |
| Dibromofluoromethane      | 0.325 | 0.287  |            | -11.69 | 50    |
| Toluene-d8                | 1.229 | 1.046  |            | -14.89 | 50    |
| 4-Bromofluorobenzene      | 0.414 | 0.377  |            | -8.94  | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Chloromethane                  | 0.770 | 0.741  | 0.1        | -3.77  | 20    |
| Vinyl Chloride                 | 0.764 | 0.729  |            | -4.58  | 20    |
| Bromomethane                   | 0.300 | 0.282  |            | -6     | 20    |
| Chloroethane                   | 0.352 | 0.283  |            | -19.6  | 20    |
| Trichlorofluoromethane         | 1.012 | 0.999  |            | -1.28  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.581 | 0.595  |            | 2.41   | 20    |
| 1,1-Dichloroethene             | 0.614 | 0.584  |            | -4.89  | 20    |
| Acetone                        | 0.369 | 0.312  |            | -15.45 | 20    |
| Carbon Disulfide               | 1.636 | 1.571  |            | -3.97  | 20    |
| Methyl tert-butyl Ether        | 2.061 | 1.935  |            | -6.11  | 20    |
| Methylene Chloride             | 0.731 | 0.667  |            | -8.76  | 20    |
| trans-1,2-Dichloroethene       | 0.607 | 0.586  |            | -3.46  | 20    |
| 1,1-Dichloroethane             | 1.247 | 1.167  | 0.1        | -6.41  | 20    |
| 2-Butanone                     | 0.555 | 0.512  |            | -7.75  | 20    |
| Carbon Tetrachloride           | 0.465 | 0.459  |            | -1.29  | 20    |
| cis-1,2-Dichloroethene         | 0.749 | 0.712  |            | -4.94  | 20    |
| Chloroform                     | 1.239 | 1.140  |            | -7.99  | 20    |
| 1,1,1-Trichloroethane          | 1.000 | 0.948  |            | -5.2   | 20    |
| Methylcyclohexane              | 0.549 | 0.617  |            | 12.39  | 20    |
| Benzene                        | 1.448 | 1.433  |            | -1.04  | 20    |
| 1,2-Dichloroethane             | 0.521 | 0.494  |            | -5.18  | 20    |
| Trichloroethene                | 0.340 | 0.328  |            | -3.53  | 20    |
| 1,2-Dichloropropane            | 0.372 | 0.358  |            | -3.76  | 20    |
| Bromodichloromethane           | 0.516 | 0.508  |            | -1.55  | 20    |
| 4-Methyl-2-Pentanone           | 0.587 | 0.565  |            | -3.75  | 20    |
| Toluene                        | 0.849 | 0.870  |            | 2.47   | 20    |
| t-1,3-Dichloropropene          | 0.431 | 0.483  |            | 12.06  | 20    |
| cis-1,3-Dichloropropene        | 0.503 | 0.551  |            | 9.54   | 20    |
| 1,1,2-Trichloroethane          | 0.350 | 0.330  |            | -5.71  | 20    |
| 2-Hexanone                     | 0.425 | 0.411  |            | -3.29  | 20    |
| Dibromochloromethane           | 0.366 | 0.367  |            | 0.27   | 20    |
| Tetrachloroethene              | 0.320 | 0.319  |            | -0.31  | 20    |
| Chlorobenzene                  | 1.058 | 1.039  | 0.3        | -1.8   | 20    |
| Ethyl Benzene                  | 1.843 | 1.879  |            | 1.95   | 20    |
| m/p-Xylenes                    | 0.675 | 0.694  |            | 2.82   | 20    |
| o-Xylene                       | 0.681 | 0.685  |            | 0.59   | 20    |
| Styrene                        | 1.101 | 1.143  |            | 3.82   | 20    |
| Bromoform                      | 0.266 | 0.268  | 0.1        | 0.75   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|---------------------------|-------|--------|------------|-------|-------|
| Isopropylbenzene          | 3.903 | 3.973  |            | 1.79  | 20    |
| 1,1,2,2-Tetrachloroethane | 1.432 | 1.334  | 0.3        | -6.84 | 20    |
| 1,3-Dichlorobenzene       | 1.643 | 1.660  |            | 1.03  | 20    |
| 1,4-Dichlorobenzene       | 1.662 | 1.653  |            | -0.54 | 20    |
| 1,2-Dichlorobenzene       | 1.648 | 1.652  |            | 0.24  | 20    |
| 1,2-Dichloroethane-d4     | 0.795 | 0.733  |            | -7.8  | 20    |
| Dibromofluoromethane      | 0.334 | 0.331  |            | -0.9  | 20    |
| Toluene-d8                | 1.212 | 1.209  |            | -0.25 | 20    |
| 4-Bromofluorobenzene      | 0.402 | 0.404  |            | 0.5   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/28/2025 18:50

Lab File ID: VX045098.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Chloromethane                  | 0.770 | 0.696  | 0.1        | -9.61  | 50    |
| Vinyl Chloride                 | 0.764 | 0.736  |            | -3.66  | 50    |
| Bromomethane                   | 0.300 | 0.261  |            | -13    | 50    |
| Chloroethane                   | 0.352 | 0.305  |            | -13.35 | 50    |
| Trichlorofluoromethane         | 1.012 | 0.992  |            | -1.98  | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.581 | 0.602  |            | 3.61   | 50    |
| 1,1-Dichloroethene             | 0.614 | 0.600  |            | -2.28  | 50    |
| Acetone                        | 0.369 | 0.330  |            | -10.57 | 50    |
| Carbon Disulfide               | 1.636 | 1.572  |            | -3.91  | 50    |
| Methyl tert-butyl Ether        | 2.061 | 2.046  |            | -0.73  | 50    |
| Methylene Chloride             | 0.731 | 0.691  |            | -5.47  | 50    |
| trans-1,2-Dichloroethene       | 0.607 | 0.624  |            | 2.8    | 50    |
| 1,1-Dichloroethane             | 1.247 | 1.237  | 0.1        | -0.8   | 50    |
| 2-Butanone                     | 0.555 | 0.536  |            | -3.42  | 50    |
| Carbon Tetrachloride           | 0.465 | 0.475  |            | 2.15   | 50    |
| cis-1,2-Dichloroethene         | 0.749 | 0.756  |            | 0.94   | 50    |
| Chloroform                     | 1.239 | 1.219  |            | -1.61  | 50    |
| 1,1,1-Trichloroethane          | 1.000 | 1.013  |            | 1.3    | 50    |
| Methylcyclohexane              | 0.549 | 0.612  |            | 11.48  | 50    |
| Benzene                        | 1.448 | 1.471  |            | 1.59   | 50    |
| 1,2-Dichloroethane             | 0.521 | 0.520  |            | -0.19  | 50    |
| Trichloroethene                | 0.340 | 0.344  |            | 1.18   | 50    |
| 1,2-Dichloropropane            | 0.372 | 0.372  |            | 0      | 50    |
| Bromodichloromethane           | 0.516 | 0.518  |            | 0.39   | 50    |
| 4-Methyl-2-Pentanone           | 0.587 | 0.582  |            | -0.85  | 50    |
| Toluene                        | 0.849 | 0.879  |            | 3.53   | 50    |
| t-1,3-Dichloropropene          | 0.431 | 0.460  |            | 6.73   | 50    |
| cis-1,3-Dichloropropene        | 0.503 | 0.536  |            | 6.56   | 50    |
| 1,1,2-Trichloroethane          | 0.350 | 0.342  |            | -2.29  | 50    |
| 2-Hexanone                     | 0.425 | 0.430  |            | 1.18   | 50    |
| Dibromochloromethane           | 0.366 | 0.364  |            | -0.55  | 50    |
| Tetrachloroethene              | 0.320 | 0.334  |            | 4.38   | 50    |
| Chlorobenzene                  | 1.058 | 1.084  | 0.3        | 2.46   | 50    |
| Ethyl Benzene                  | 1.843 | 1.942  |            | 5.37   | 50    |
| m/p-Xylenes                    | 0.675 | 0.717  |            | 6.22   | 50    |
| o-Xylene                       | 0.681 | 0.694  |            | 1.91   | 50    |
| Styrene                        | 1.101 | 1.166  |            | 5.9    | 50    |
| Bromoform                      | 0.266 | 0.275  | 0.1        | 3.38   | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA\_X Calibration Date/Time: 02/28/2025 18:50

Lab File ID: VX045098.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|---------------------------|-------|--------|------------|-------|-------|
| Isopropylbenzene          | 3.903 | 4.046  |            | 3.66  | 50    |
| 1,1,2,2-Tetrachloroethane | 1.432 | 1.422  | 0.3        | -0.7  | 50    |
| 1,3-Dichlorobenzene       | 1.643 | 1.677  |            | 2.07  | 50    |
| 1,4-Dichlorobenzene       | 1.662 | 1.661  |            | -0.06 | 50    |
| 1,2-Dichlorobenzene       | 1.648 | 1.681  |            | 2     | 50    |
| 1,2-Dichloroethane-d4     | 0.795 | 0.780  |            | -1.89 | 50    |
| Dibromofluoromethane      | 0.334 | 0.338  |            | 1.2   | 50    |
| Toluene-d8                | 1.212 | 1.211  |            | -0.08 | 50    |
| 4-Bromofluorobenzene      | 0.402 | 0.392  |            | -2.49 | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.