284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1956 | **OrderDate:** | 5/2/2025 3:14:35 PM |
| **Client:** | CDM Smith | **Project:** | Bergen Point Fueling System |
| **Contact:** | Marcie Ann Encinas | **Location:** | L31,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1956-01** | **SB1-3-4** | **SOIL** | | | **05/01/25** | | | **05/02/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 05/05/25 | |
| **Q1956-02** | **SB2-4-5** | **SOIL** | | | **05/02/25** | | | **05/02/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 05/05/25 | |
| **Q1956-05** | **COMP1** | **TCLP** | | | **05/02/25** | | | **05/02/25** |
| | | | TCLP VOA | 8260D | | | 05/06/25 | |
| **Q1956-06** | **SB91-3-4** | **SOIL** | | | **05/01/25** | | | **05/02/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 05/05/25 | |
| **Q1956-07** | **FB-05022025** | **Water** | | | **05/02/25** | | | **05/02/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 05/05/25 | |
| **Q1956-09** | **TB** | **Water** | | | **05/02/25** | | | **05/02/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 05/14/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **SB1-3-4** | | | | | | | |
| Q1956-01 | SB1-3-4 | SOIL | m/p-Xylenes | 1.20 | J | 1.10 | 8.80 | ug/Kg |
| Q1956-01 | SB1-3-4 | SOIL | o-Xylene | 0.95 | J | 0.72 | 4.40 | ug/Kg |
| | | | **Total Voc :** | 2.15 | | | | |
| | | | **Total Concentration:** | 2.15 | | | | |
| **Client ID:** | **SB2-4-5** | | | | | | | |
| Q1956-02 | SB2-4-5 | SOIL | Trichlorofluoromethane | 1.30 | J | 1.20 | 4.80 | ug/Kg |
| Q1956-02 | SB2-4-5 | SOIL | Carbon Disulfide | 1.00 | J | 1.00 | 4.80 | ug/Kg |
| Q1956-02 | SB2-4-5 | SOIL | Methylene Chloride | 4.50 | J | 3.40 | 9.70 | ug/Kg |
| | | | **Total Voc :** | 6.80 | | | | |
| | | | **Total Concentration:** | 6.80 | | | | |
| **Client ID:** | **SB91-3-4** | | | | | | | |
| Q1956-06 | SB91-3-4 | SOIL | Methylene Chloride | 3.70 | J | 3.20 | 9.00 | ug/Kg |
| | | | **Total Voc :** | 3.70 | | | | |
| | | | **Total Concentration:** | 3.70 | | | | |

# SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/01/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB1-3-4 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 89 |
| Sample Wt/Vol: | 6.37 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022162.D | 1 | | 05/05/25 16:18 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 4.40 | U | 1.00 | 4.40 | ug/Kg |
| 74-87-3 | Chloromethane | 4.40 | U | 1.00 | 4.40 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 4.40 | U | 0.70 | 4.40 | ug/Kg |
| 74-83-9 | Bromomethane | 4.40 | U | 0.94 | 4.40 | ug/Kg |
| 75-00-3 | Chloroethane | 4.40 | U | 1.10 | 4.40 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 4.40 | U | 1.10 | 4.40 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 4.40 | U | 0.93 | 4.40 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 4.40 | U | 0.88 | 4.40 | ug/Kg |
| 67-64-1 | Acetone | 22.0 | U | 4.20 | 22.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 4.40 | U | 0.93 | 4.40 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 4.40 | U | 0.64 | 4.40 | ug/Kg |
| 79-20-9 | Methyl Acetate | 4.40 | U | 1.40 | 4.40 | ug/Kg |
| 75-09-2 | Methylene Chloride | 8.80 | U | 3.10 | 8.80 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 4.40 | U | 0.76 | 4.40 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 4.40 | U | 0.71 | 4.40 | ug/Kg |
| 110-82-7 | Cyclohexane | 4.40 | U | 0.70 | 4.40 | ug/Kg |
| 78-93-3 | 2-Butanone | 22.0 | U | 5.80 | 22.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 4.40 | U | 0.86 | 4.40 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 4.40 | U | 0.66 | 4.40 | ug/Kg |
| 74-97-5 | Bromochloromethane | 4.40 | U | 1.00 | 4.40 | ug/Kg |
| 67-66-3 | Chloroform | 4.40 | U | 0.74 | 4.40 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 4.40 | U | 0.82 | 4.40 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 4.40 | U | 0.80 | 4.40 | ug/Kg |
| 71-43-2 | Benzene | 4.40 | U | 0.70 | 4.40 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 4.40 | U | 0.70 | 4.40 | ug/Kg |
| 79-01-6 | Trichloroethene | 4.40 | U | 0.71 | 4.40 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 4.40 | U | 0.80 | 4.40 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 4.40 | U | 0.69 | 4.40 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 22.0 | U | 3.20 | 22.0 | ug/Kg |
| 108-88-3 | Toluene | 4.40 | U | 0.69 | 4.40 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/01/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB1-3-4 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 89 |
| Sample Wt/Vol: | 6.37 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022162.D | 1 | | 05/05/25 16:18 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 4.40 | U | 0.57 | 4.40 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 4.40 | U | 0.55 | 4.40 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 4.40 | U | 0.81 | 4.40 | ug/Kg |
| 591-78-6 | 2-Hexanone | 22.0 | U | 3.30 | 22.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 4.40 | U | 0.77 | 4.40 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 4.40 | U | 0.78 | 4.40 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 4.40 | U | 0.93 | 4.40 | ug/Kg |
| 108-90-7 | Chlorobenzene | 4.40 | U | 0.80 | 4.40 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 4.40 | U | 0.59 | 4.40 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.20 | J | 1.10 | 8.80 | ug/Kg |
| 95-47-6 | o-Xylene | 0.95 | J | 0.72 | 4.40 | ug/Kg |
| 100-42-5 | Styrene | 4.40 | U | 0.63 | 4.40 | ug/Kg |
| 75-25-2 | Bromoform | 4.40 | U | 0.76 | 4.40 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 4.40 | U | 0.69 | 4.40 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 4.40 | U | 1.10 | 4.40 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 4.40 | U | 1.50 | 4.40 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 4.40 | U | 1.40 | 4.40 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 4.40 | U | 1.30 | 4.40 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 4.40 | U | 1.60 | 4.40 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.40 | U | 2.60 | 4.40 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.40 | U | 2.80 | 4.40 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.7 | | 63 - 155 | 111% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.5 | | 70 - 134 | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 74 - 123 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 41.2 | | 38 - 136 | 82% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 219000 | 7.713 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 425000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 386000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 145000 | 13.347 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/01/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB1-3-4 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 89 |
| Sample Wt/Vol: | 6.37 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022162.D | 1 | | 05/05/25 16:18 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-02 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 5.54 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022163.D | 1 | | 05/05/25 16:42 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 4.80 | U | 1.10 | 4.80 | ug/Kg |
| 74-87-3 | Chloromethane | 4.80 | U | 1.10 | 4.80 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 4.80 | U | 0.76 | 4.80 | ug/Kg |
| 74-83-9 | Bromomethane | 4.80 | U | 1.00 | 4.80 | ug/Kg |
| 75-00-3 | Chloroethane | 4.80 | U | 1.20 | 4.80 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 1.30 | J | 1.20 | 4.80 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 4.80 | U | 1.00 | 4.80 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 4.80 | U | 0.97 | 4.80 | ug/Kg |
| 67-64-1 | Acetone | 24.1 | U | 4.60 | 24.1 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 1.00 | J | 1.00 | 4.80 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 4.80 | U | 0.70 | 4.80 | ug/Kg |
| 79-20-9 | Methyl Acetate | 4.80 | U | 1.50 | 4.80 | ug/Kg |
| 75-09-2 | Methylene Chloride | 4.50 | J | 3.40 | 9.70 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 4.80 | U | 0.83 | 4.80 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 4.80 | U | 0.77 | 4.80 | ug/Kg |
| 110-82-7 | Cyclohexane | 4.80 | U | 0.76 | 4.80 | ug/Kg |
| 78-93-3 | 2-Butanone | 24.1 | U | 6.30 | 24.1 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 4.80 | U | 0.94 | 4.80 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 4.80 | U | 0.72 | 4.80 | ug/Kg |
| 74-97-5 | Bromochloromethane | 4.80 | U | 1.10 | 4.80 | ug/Kg |
| 67-66-3 | Chloroform | 4.80 | U | 0.81 | 4.80 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 4.80 | U | 0.90 | 4.80 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 4.80 | U | 0.88 | 4.80 | ug/Kg |
| 71-43-2 | Benzene | 4.80 | U | 0.76 | 4.80 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 4.80 | U | 0.76 | 4.80 | ug/Kg |
| 79-01-6 | Trichloroethene | 4.80 | U | 0.78 | 4.80 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 4.80 | U | 0.88 | 4.80 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 4.80 | U | 0.75 | 4.80 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 24.1 | U | 3.50 | 24.1 | ug/Kg |
| 108-88-3 | Toluene | 4.80 | U | 0.75 | 4.80 | ug/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-02 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 5.54 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022163.D | 1 | | 05/05/25 16:42 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 4.80 | U | 0.63 | 4.80 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 4.80 | U | 0.60 | 4.80 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 4.80 | U | 0.89 | 4.80 | ug/Kg |
| 591-78-6 | 2-Hexanone | 24.1 | U | 3.60 | 24.1 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 4.80 | U | 0.84 | 4.80 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 4.80 | U | 0.85 | 4.80 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 4.80 | U | 1.00 | 4.80 | ug/Kg |
| 108-90-7 | Chlorobenzene | 4.80 | U | 0.88 | 4.80 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 4.80 | U | 0.65 | 4.80 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 9.70 | U | 1.20 | 9.70 | ug/Kg |
| 95-47-6 | o-Xylene | 4.80 | U | 0.79 | 4.80 | ug/Kg |
| 100-42-5 | Styrene | 4.80 | U | 0.69 | 4.80 | ug/Kg |
| 75-25-2 | Bromoform | 4.80 | U | 0.83 | 4.80 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 4.80 | U | 0.75 | 4.80 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 4.80 | U | 1.20 | 4.80 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 4.80 | U | 1.70 | 4.80 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 4.80 | U | 1.50 | 4.80 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 4.80 | U | 1.40 | 4.80 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 4.80 | U | 1.80 | 4.80 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.80 | U | 2.90 | 4.80 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.80 | U | 3.10 | 4.80 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.3 | | 63 - 155 | 113% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.5 | | 70 - 134 | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.1 | | 74 - 123 | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 39.5 | | 38 - 136 | 79% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 219000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 427000 | 8.615 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 385000 | 11.42 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 141000 | 13.346 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-02 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 5.54 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022163.D | 1 | | 05/05/25 16:42 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/01/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB91-3-4 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-06 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 90.2 |
| Sample Wt/Vol: | 6.15 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022164.D | 1 | | 05/05/25 17:05 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 4.50 | U | 1.00 | 4.50 | ug/Kg |
| 74-87-3 | Chloromethane | 4.50 | U | 1.00 | 4.50 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 4.50 | U | 0.71 | 4.50 | ug/Kg |
| 74-83-9 | Bromomethane | 4.50 | U | 0.96 | 4.50 | ug/Kg |
| 75-00-3 | Chloroethane | 4.50 | U | 1.10 | 4.50 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 4.50 | U | 1.10 | 4.50 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 4.50 | U | 0.96 | 4.50 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 4.50 | U | 0.90 | 4.50 | ug/Kg |
| 67-64-1 | Acetone | 22.5 | U | 4.30 | 22.5 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 4.50 | U | 0.96 | 4.50 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 4.50 | U | 0.66 | 4.50 | ug/Kg |
| 79-20-9 | Methyl Acetate | 4.50 | U | 1.40 | 4.50 | ug/Kg |
| 75-09-2 | Methylene Chloride | 3.70 | J | 3.20 | 9.00 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 4.50 | U | 0.78 | 4.50 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 4.50 | U | 0.72 | 4.50 | ug/Kg |
| 110-82-7 | Cyclohexane | 4.50 | U | 0.71 | 4.50 | ug/Kg |
| 78-93-3 | 2-Butanone | 22.5 | U | 5.90 | 22.5 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 4.50 | U | 0.87 | 4.50 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 4.50 | U | 0.68 | 4.50 | ug/Kg |
| 74-97-5 | Bromochloromethane | 4.50 | U | 1.00 | 4.50 | ug/Kg |
| 67-66-3 | Chloroform | 4.50 | U | 0.76 | 4.50 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 4.50 | U | 0.84 | 4.50 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 4.50 | U | 0.82 | 4.50 | ug/Kg |
| 71-43-2 | Benzene | 4.50 | U | 0.71 | 4.50 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 4.50 | U | 0.71 | 4.50 | ug/Kg |
| 79-01-6 | Trichloroethene | 4.50 | U | 0.73 | 4.50 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 4.50 | U | 0.82 | 4.50 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 4.50 | U | 0.70 | 4.50 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 22.5 | U | 3.20 | 22.5 | ug/Kg |
| 108-88-3 | Toluene | 4.50 | U | 0.70 | 4.50 | ug/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/01/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB91-3-4 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-06 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 90.2 |
| Sample Wt/Vol: | 6.15 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022164.D | 1 | | 05/05/25 17:05 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 4.50 | U | 0.59 | 4.50 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 4.50 | U | 0.56 | 4.50 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 4.50 | U | 0.83 | 4.50 | ug/Kg |
| 591-78-6 | 2-Hexanone | 22.5 | U | 3.30 | 22.5 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 4.50 | U | 0.78 | 4.50 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 4.50 | U | 0.79 | 4.50 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 4.50 | U | 0.95 | 4.50 | ug/Kg |
| 108-90-7 | Chlorobenzene | 4.50 | U | 0.82 | 4.50 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 4.50 | U | 0.60 | 4.50 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 9.00 | U | 1.10 | 9.00 | ug/Kg |
| 95-47-6 | o-Xylene | 4.50 | U | 0.74 | 4.50 | ug/Kg |
| 100-42-5 | Styrene | 4.50 | U | 0.64 | 4.50 | ug/Kg |
| 75-25-2 | Bromoform | 4.50 | U | 0.78 | 4.50 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 4.50 | U | 0.70 | 4.50 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 4.50 | U | 1.10 | 4.50 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 4.50 | U | 1.50 | 4.50 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 4.50 | U | 1.40 | 4.50 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 4.50 | U | 1.30 | 4.50 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 4.50 | U | 1.70 | 4.50 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.50 | U | 2.70 | 4.50 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.50 | U | 2.90 | 4.50 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.8 | | 63 - 155 | 114% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.2 | | 70 - 134 | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 74 - 123 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 42.3 | | 38 - 136 | 85% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 215000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 423000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 385000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 144000 | 13.347 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/01/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB91-3-4 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-06 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 90.2 |
| Sample Wt/Vol: | 6.15 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022164.D | 1 | | 05/05/25 17:05 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | FB-05022025 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086488.D | 1 | | 05/05/25 16:00 | VN050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 1.00 | U | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 1.00 | U | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 5.00 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 1.00 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1.00 | U | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.00 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 5.00 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.00 | U | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 1.00 | U | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 1.00 | U | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.00 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 5.00 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 5.00 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1.00 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 1.00 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 1.00 | U | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 1.00 | U | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.00 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 1.00 | U | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | FB-05022025 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086488.D | 1 | | 05/05/25 16:00 | VN050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1.00 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1.00 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 5.00 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 1.00 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1.00 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 1.00 | U | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2.00 | U | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 1.00 | U | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.00 | U | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.00 | U | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.2 | | 74 - 125 | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 60.2 | | 75 - 124 | 120% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.1 | | 86 - 113 | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.1 | | 77 - 121 | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 141000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 273000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 256000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | 13.788 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | FB-05022025 | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086488.D | 1 | | 05/05/25 16:00 | VN050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | TB | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-09 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046184.D | 1 | | 05/14/25 11:13 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 1.00 | U | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 1.00 | U | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 5.00 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 1.00 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1.00 | U | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.00 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 5.00 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.00 | U | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 1.00 | U | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 1.00 | U | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.00 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 5.00 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 5.00 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1.00 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 1.00 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 1.00 | U | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 1.00 | U | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.00 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 1.00 | U | 0.14 | 1.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | TB | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-09 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046184.D | 1 | | 05/14/25 11:13 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1.00 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1.00 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 5.00 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 1.00 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1.00 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 1.00 | U | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2.00 | U | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 1.00 | U | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.00 | U | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.00 | U | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.3 | | 74 - 125 | 109% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.0 | | 75 - 124 | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.6 | | 86 - 113 | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.5 | | 77 - 121 | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 65800 | 5.55 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 132000 | 6.757 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 124000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 53600 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | TB | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-09 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046184.D | 1 | | 05/14/25 11:13 | VX051425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

# QC SUMMARY

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# Surrogate Summary

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q1956-01 | SB1-3-4 | 1,2-Dichloroethane-d4 | 50 | 55.6 | 111 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 52.5 | 105 | 70 | 134 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 41.2 | 82 | 38 | 136 |
| Q1956-02 | SB2-4-5 | 1,2-Dichloroethane-d4 | 50 | 56.3 | 113 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 51.5 | 103 | 70 | 134 |
| | | Toluene-d8 | 50 | 49.0 | 98 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 39.5 | 79 | 38 | 136 |
| Q1956-03MS | SB2-4-5MS | 1,2-Dichloroethane-d4 | 50 | 55.9 | 112 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 58.0 | 116 | 70 | 134 |
| | | Toluene-d8 | 50 | 60.8 | 122 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 55.6 | 111 | 38 | 136 |
| Q1956-04MSD | SB2-4-5MSD | 1,2-Dichloroethane-d4 | 50 | 51.3 | 103 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 56.8 | 114 | 70 | 134 |
| | | Toluene-d8 | 50 | 58.8 | 118 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 52.5 | 105 | 38 | 136 |
| Q1956-06 | SB91-3-4 | 1,2-Dichloroethane-d4 | 50 | 56.8 | 114 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 51.2 | 102 | 70 | 134 |
| | | Toluene-d8 | 50 | 49.4 | 99 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 42.3 | 85 | 38 | 136 |
| VY0505SBL01 | VY0505SBL01 | 1,2-Dichloroethane-d4 | 50 | 49.8 | 100 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 50.1 | 100 | 70 | 134 |
| | | Toluene-d8 | 50 | 46.5 | 93 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 55.3 | 111 | 38 | 136 |
| VY0505SBS01 | VY0505SBS01 | 1,2-Dichloroethane-d4 | 50 | 49.9 | 100 | 63 | 155 |
| | | Dibromofluoromethane | 50 | 49.4 | 99 | 70 | 134 |
| | | Toluene-d8 | 50 | 48.9 | 98 | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 50.1 | 100 | 38 | 136 |

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# Surrogate Summary

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q1956-07 | FB-05022025 | 1,2-Dichloroethane-d4 | 50 | 50.2 | 100 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 60.2 | 120 | 75 | 124 |
| | | Toluene-d8 | 50 | 51.1 | 102 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 77 | 121 |
| Q1956-09 | TB | 1,2-Dichloroethane-d4 | 50 | 54.3 | 109 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 51.0 | 102 | 75 | 124 |
| | | Toluene-d8 | 50 | 50.6 | 101 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 49.5 | 99 | 77 | 121 |
| VN0505WBL01 | VN0505WBL01 | 1,2-Dichloroethane-d4 | 50 | 49.0 | 98 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 60.2 | 120 | 75 | 124 |
| | | Toluene-d8 | 50 | 50.8 | 102 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 47.3 | 95 | 77 | 121 |
| VN0505WBS01 | VN0505WBS01 | 1,2-Dichloroethane-d4 | 50 | 51.6 | 103 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 57.8 | 116 | 75 | 124 |
| | | Toluene-d8 | 50 | 51.4 | 103 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.1 | 100 | 77 | 121 |
| VX0514WBL01 | VX0514WBL01 | 1,2-Dichloroethane-d4 | 50 | 53.7 | 107 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 51.2 | 102 | 75 | 124 |
| | | Toluene-d8 | 50 | 50.1 | 100 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 51.1 | 102 | 77 | 121 |
| VX0514WBS01 | VX0514WBS01 | 1,2-Dichloroethane-d4 | 50 | 52.1 | 104 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 51.2 | 102 | 75 | 124 |
| | | Toluene-d8 | 50 | 51.3 | 103 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.2 | 100 | 77 | 121 |
| VX0514WBSD0 | VX0514WBSD01 | 1,2-Dichloroethane-d4 | 50 | 51.3 | 103 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 51.6 | 103 | 75 | 124 |
| | | Toluene-d8 | 50 | 51.2 | 102 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.8 | 101 | 77 | 121 |

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# Matrix Spike/Matrix Spike Duplicate Summary

## SW-846

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : Q1956-03MS** | | **Client Sample ID : SB2-4-5MS** | | | | | | **Datafile :** | VY022165.D | | |
| Dichlorodifluoromethane | 45.6 | 0 | 40.8 | ug/Kg | 89 | | | | 40 | 150 | |
| Chloromethane | 45.6 | 0 | 45.3 | ug/Kg | 99 | | | | 24 | 175 | |
| Vinyl chloride | 45.6 | 0 | 48.7 | ug/Kg | 107 | | | | 21 | 175 | |
| Bromomethane | 45.6 | 0 | 41.5 | ug/Kg | 91 | | | | 46 | 150 | |
| Chloroethane | 45.6 | 0 | 51.8 | ug/Kg | 114 | | | | 30 | 175 | |
| Trichlorofluoromethane | 45.6 | 1.30 | 46.3 | ug/Kg | 99 | | | | 53 | 150 | |
| 1,1,2-Trichlorotrifluoroethane | 45.6 | 0 | 44.5 | ug/Kg | 98 | | | | 60 | 135 | |
| 1,1-Dichloroethene | 45.6 | 0 | 44.9 | ug/Kg | 98 | | | | 63 | 136 | |
| Acetone | 230 | 0 | 270 | ug/Kg | 117 | | | | 41 | 175 | |
| Carbon disulfide | 45.6 | 1.00 | 41.0 | ug/Kg | 88 | | | | 45 | 126 | |
| Methyl tert-butyl Ether | 45.6 | 0 | 47.4 | ug/Kg | 104 | | | | 56 | 175 | |
| Methyl Acetate | 45.6 | 0 | 86.3 | ug/Kg | 189 | * | | | 32 | 175 | |
| Methylene Chloride | 45.6 | 4.50 | 46.5 | ug/Kg | 92 | | | | 59 | 175 | |
| trans-1,2-Dichloroethene | 45.6 | 0 | 46.9 | ug/Kg | 103 | | | | 63 | 137 | |
| 1,1-Dichloroethane | 45.6 | 0 | 50.9 | ug/Kg | 112 | | | | 62 | 154 | |
| Cyclohexane | 45.6 | 0 | 45.5 | ug/Kg | 100 | | | | 41 | 131 | |
| 2-Butanone | 230 | 0 | 230 | ug/Kg | 100 | | | | 48 | 174 | |
| Carbon Tetrachloride | 45.6 | 0 | 47.8 | ug/Kg | 105 | | | | 48 | 149 | |
| cis-1,2-Dichloroethene | 45.6 | 0 | 49.0 | ug/Kg | 107 | | | | 59 | 153 | |
| Bromochloromethane | 45.6 | 0 | 54.5 | ug/Kg | 120 | | | | 54 | 172 | |
| Chloroform | 45.6 | 0 | 50.6 | ug/Kg | 111 | | | | 60 | 159 | |
| 1,1,1-Trichloroethane | 45.6 | 0 | 48.7 | ug/Kg | 107 | | | | 60 | 149 | |
| Methylcyclohexane | 45.6 | 0 | 45.4 | ug/Kg | 100 | | | | 19 | 135 | |
| Benzene | 45.6 | 0 | 50.6 | ug/Kg | 111 | | | | 59 | 140 | |
| 1,2-Dichloroethane | 45.6 | 0 | 49.1 | ug/Kg | 108 | | | | 63 | 153 | |
| Trichloroethene | 45.6 | 0 | 46.8 | ug/Kg | 103 | | | | 45 | 154 | |
| 1,2-Dichloropropane | 45.6 | 0 | 51.9 | ug/Kg | 114 | | | | 67 | 141 | |
| Bromodichloromethane | 45.6 | 0 | 50.9 | ug/Kg | 112 | | | | 54 | 160 | |
| 4-Methyl-2-Pentanone | 230 | 0 | 250 | ug/Kg | 109 | | | | 54 | 164 | |
| Toluene | 45.6 | 0 | 52.4 | ug/Kg | 115 | | | | 61 | 134 | |
| t-1,3-Dichloropropene | 45.6 | 0 | 45.6 | ug/Kg | 100 | | | | 47 | 155 | |
| cis-1,3-Dichloropropene | 45.6 | 0 | 45.7 | ug/Kg | 100 | | | | 56 | 141 | |
| 1,1,2-Trichloroethane | 45.6 | 0 | 48.1 | ug/Kg | 105 | | | | 69 | 148 | |
| 2-Hexanone | 230 | 0 | 240 | ug/Kg | 104 | | | | 43 | 164 | |
| Dibromochloromethane | 45.6 | 0 | 47.7 | ug/Kg | 105 | | | | 65 | 143 | |
| 1,2-Dibromoethane | 45.6 | 0 | 46.5 | ug/Kg | 102 | | | | 63 | 144 | |
| Tetrachloroethene | 45.6 | 0 | 47.7 | ug/Kg | 105 | | | | 27 | 175 | |
| Chlorobenzene | 45.6 | 0 | 46.7 | ug/Kg | 102 | | | | 66 | 127 | |
| Ethyl Benzene | 45.6 | 0 | 49.8 | ug/Kg | 109 | | | | 54 | 134 | |
| m/p-Xylenes | 91.1 | 0 | 100 | ug/Kg | 110 | | | | 51 | 137 | |
| o-Xylene | 45.6 | 0 | 49.4 | ug/Kg | 108 | | | | 57 | 139 | |
| Styrene | 45.6 | 0 | 36.0 | ug/Kg | 79 | | | | 47 | 136 | |
| Bromoform | 45.6 | 0 | 44.1 | ug/Kg | 97 | | | | 64 | 144 | |
| Isopropylbenzene | 45.6 | 0 | 50.0 | ug/Kg | 110 | | | | 44 | 160 | |
| 1,1,2,2-Tetrachloroethane | 45.6 | 0 | 46.9 | ug/Kg | 103 | | | | 18 | 175 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 45.6 | 0 | 42.5 | ug/Kg | 93 | | | | 55 | 131 | |
| 1,4-Dichlorobenzene | 45.6 | 0 | 42.8 | ug/Kg | 94 | | | | 57 | 129 | |
| 1,2-Dichlorobenzene | 45.6 | 0 | 42.8 | ug/Kg | 94 | | | | 54 | 140 | |
| 1,2-Dibromo-3-Chloropropane | 45.6 | 0 | 43.7 | ug/Kg | 96 | | | | 46 | 175 | |
| 1,2,4-Trichlorobenzene | 45.6 | 0 | 29.2 | ug/Kg | 64 | | | | 12 | 127 | |
| 1,2,3-Trichlorobenzene | 45.6 | 0 | 27.7 | ug/Kg | 61 | | | | 10 | 160 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

## SW-846

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : Q1956-04MSD** | | **Client Sample ID : SB2-4-5MSD** | | | | | | **Datafile :** VY022166.D | | | |
| Dichlorodifluoromethane | 43.3 | 0 | 45.3 | ug/Kg | 105 | | 16 | | 40 | 150 | 20 |
| Chloromethane | 43.3 | 0 | 46.2 | ug/Kg | 107 | | 7 | | 24 | 175 | 20 |
| Vinyl chloride | 43.3 | 0 | 51.2 | ug/Kg | 118 | | 10 | | 21 | 175 | 20 |
| Bromomethane | 43.3 | 0 | 43.4 | ug/Kg | 100 | | 10 | | 46 | 150 | 20 |
| Chloroethane | 43.3 | 0 | 51.5 | ug/Kg | 119 | | 5 | | 30 | 175 | 20 |
| Trichlorofluoromethane | 43.3 | 1.30 | 46.8 | ug/Kg | 105 | | 6 | | 53 | 150 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 43.3 | 0 | 46.8 | ug/Kg | 108 | | 10 | | 60 | 135 | 20 |
| 1,1-Dichloroethene | 43.3 | 0 | 46.8 | ug/Kg | 108 | | 9 | | 63 | 136 | 20 |
| Acetone | 220 | 0 | 200 | ug/Kg | 91 | | 25 | * | 41 | 175 | 20 |
| Carbon disulfide | 43.3 | 1.00 | 41.8 | ug/Kg | 94 | | 7 | | 45 | 126 | 20 |
| Methyl tert-butyl Ether | 43.3 | 0 | 42.0 | ug/Kg | 97 | | 7 | | 56 | 175 | 20 |
| Methyl Acetate | 43.3 | 0 | 67.4 | ug/Kg | 156 | | 19 | | 32 | 175 | 20 |
| Methylene Chloride | 43.3 | 4.50 | 43.0 | ug/Kg | 89 | | 3 | | 59 | 175 | 20 |
| trans-1,2-Dichloroethene | 43.3 | 0 | 47.0 | ug/Kg | 109 | | 5 | | 63 | 137 | 20 |
| 1,1-Dichloroethane | 43.3 | 0 | 50.3 | ug/Kg | 116 | | 4 | | 62 | 154 | 20 |
| Cyclohexane | 43.3 | 0 | 46.7 | ug/Kg | 108 | | 8 | | 41 | 131 | 20 |
| 2-Butanone | 220 | 0 | 180 | ug/Kg | 82 | | 20 | | 48 | 174 | 20 |
| Carbon Tetrachloride | 43.3 | 0 | 49.3 | ug/Kg | 114 | | 8 | | 48 | 149 | 20 |
| cis-1,2-Dichloroethene | 43.3 | 0 | 47.5 | ug/Kg | 110 | | 2 | | 59 | 153 | 20 |
| Bromochloromethane | 43.3 | 0 | 44.2 | ug/Kg | 102 | | 16 | | 54 | 172 | 20 |
| Chloroform | 43.3 | 0 | 49.7 | ug/Kg | 115 | | 3 | | 60 | 159 | 20 |
| 1,1,1-Trichloroethane | 43.3 | 0 | 49.7 | ug/Kg | 115 | | 7 | | 60 | 149 | 20 |
| Methylcyclohexane | 43.3 | 0 | 48.1 | ug/Kg | 111 | | 11 | | 19 | 135 | 20 |
| Benzene | 43.3 | 0 | 50.5 | ug/Kg | 117 | | 5 | | 59 | 140 | 20 |
| 1,2-Dichloroethane | 43.3 | 0 | 44.9 | ug/Kg | 104 | | 4 | | 63 | 153 | 20 |
| Trichloroethene | 43.3 | 0 | 47.8 | ug/Kg | 110 | | 7 | | 45 | 154 | 20 |
| 1,2-Dichloropropane | 43.3 | 0 | 50.3 | ug/Kg | 116 | | 2 | | 67 | 141 | 20 |
| Bromodichloromethane | 43.3 | 0 | 47.9 | ug/Kg | 111 | | 1 | | 54 | 160 | 20 |
| 4-Methyl-2-Pentanone | 220 | 0 | 190 | ug/Kg | 86 | | 23 | * | 54 | 164 | 20 |
| Toluene | 43.3 | 0 | 51.4 | ug/Kg | 119 | | 3 | | 61 | 134 | 20 |
| t-1,3-Dichloropropene | 43.3 | 0 | 41.4 | ug/Kg | 96 | | 4 | | 47 | 155 | 20 |
| cis-1,3-Dichloropropene | 43.3 | 0 | 44.2 | ug/Kg | 102 | | 2 | | 56 | 141 | 20 |
| 1,1,2-Trichloroethane | 43.3 | 0 | 43.0 | ug/Kg | 99 | | 6 | | 69 | 148 | 20 |
| 2-Hexanone | 220 | 0 | 180 | ug/Kg | 82 | | 24 | * | 43 | 164 | 20 |
| Dibromochloromethane | 43.3 | 0 | 43.1 | ug/Kg | 100 | | 5 | | 65 | 143 | 20 |
| 1,2-Dibromoethane | 43.3 | 0 | 40.2 | ug/Kg | 93 | | 9 | | 63 | 144 | 20 |
| Tetrachloroethene | 43.3 | 0 | 49.2 | ug/Kg | 114 | | 8 | | 27 | 175 | 20 |
| Chlorobenzene | 43.3 | 0 | 47.7 | ug/Kg | 110 | | 7 | | 66 | 127 | 20 |
| Ethyl Benzene | 43.3 | 0 | 51.9 | ug/Kg | 120 | | 9 | | 54 | 134 | 20 |
| m/p-Xylenes | 86.7 | 0 | 100 | ug/Kg | 115 | | 5 | | 51 | 137 | 20 |
| o-Xylene | 43.3 | 0 | 51.4 | ug/Kg | 119 | | 9 | | 57 | 139 | 20 |
| Styrene | 43.3 | 0 | 38.0 | ug/Kg | 88 | | 11 | | 47 | 136 | 20 |
| Bromoform | 43.3 | 0 | 39.0 | ug/Kg | 90 | | 7 | | 64 | 144 | 20 |
| Isopropylbenzene | 43.3 | 0 | 55.0 | ug/Kg | 127 | | 15 | | 44 | 160 | 20 |
| 1,1,2,2-Tetrachloroethane | 43.3 | 0 | 42.8 | ug/Kg | 99 | | 4 | | 18 | 175 | 20 |

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# Matrix Spike/Matrix Spike Duplicate Summary

## SW-846

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | 43.3 | 0 | 45.9 | ug/Kg | 106 | | 13 | | 55 | 131 | 20 |
| 1,4-Dichlorobenzene | 43.3 | 0 | 44.1 | ug/Kg | 102 | | 8 | | 57 | 129 | 20 |
| 1,2-Dichlorobenzene | 43.3 | 0 | 44.3 | ug/Kg | 102 | | 9 | | 54 | 140 | 20 |
| 1,2-Dibromo-3-Chloropropane | 43.3 | 0 | 36.4 | ug/Kg | 84 | | 13 | | 46 | 175 | 20 |
| 1,2,4-Trichlorobenzene | 43.3 | 0 | 28.7 | ug/Kg | 66 | | 3 | | 12 | 127 | 20 |
| 1,2,3-Trichlorobenzene | 43.3 | 0 | 25.7 | ug/Kg | 59 | | 2 | | 10 | 160 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low **Datafile :** VN086481.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0505WBS01 | Dichlorodifluoromethane | 20 | 19.6 | ug/L | 98 | | | 69 | 116 | |
| | Chloromethane | 20 | 17.7 | ug/L | 89 | | | 65 | 116 | |
| | Vinyl chloride | 20 | 19.0 | ug/L | 95 | | | 65 | 117 | |
| | Bromomethane | 20 | 24.1 | ug/L | 121 | | | 58 | 125 | |
| | Chloroethane | 20 | 19.2 | ug/L | 96 | | | 56 | 128 | |
| | Trichlorofluoromethane | 20 | 20.2 | ug/L | 101 | | | 73 | 115 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.0 | ug/L | 100 | | | 80 | 112 | |
| | 1,1-Dichloroethene | 20 | 19.1 | ug/L | 96 | | | 74 | 110 | |
| | Acetone | 100 | 92.7 | ug/L | 93 | | | 60 | 125 | |
| | Carbon disulfide | 20 | 17.7 | ug/L | 89 | | | 64 | 112 | |
| | Methyl tert-butyl Ether | 20 | 18.7 | ug/L | 94 | | | 78 | 114 | |
| | Methyl Acetate | 20 | 16.3 | ug/L | 81 | | | 67 | 125 | |
| | Methylene Chloride | 20 | 20.0 | ug/L | 100 | | | 72 | 114 | |
| | trans-1,2-Dichloroethene | 20 | 19.6 | ug/L | 98 | | | 75 | 108 | |
| | 1,1-Dichloroethane | 20 | 19.1 | ug/L | 96 | | | 78 | 112 | |
| | Cyclohexane | 20 | 17.6 | ug/L | 88 | | | 75 | 110 | |
| | 2-Butanone | 100 | 88.3 | ug/L | 88 | | | 65 | 122 | |
| | Carbon Tetrachloride | 20 | 20.6 | ug/L | 103 | | | 77 | 113 | |
| | cis-1,2-Dichloroethene | 20 | 19.9 | ug/L | 100 | | | 77 | 110 | |
| | Bromochloromethane | 20 | 18.4 | ug/L | 92 | | | 70 | 124 | |
| | Chloroform | 20 | 20.2 | ug/L | 101 | | | 79 | 113 | |
| | 1,1,1-Trichloroethane | 20 | 20.7 | ug/L | 104 | | | 80 | 108 | |
| | Methylcyclohexane | 20 | 18.4 | ug/L | 92 | | | 72 | 115 | |
| | Benzene | 20 | 19.6 | ug/L | 98 | | | 82 | 109 | |
| | 1,2-Dichloroethane | 20 | 20.6 | ug/L | 103 | | | 80 | 115 | |
| | Trichloroethene | 20 | 20.4 | ug/L | 102 | | | 77 | 113 | |
| | 1,2-Dichloropropane | 20 | 19.1 | ug/L | 96 | | | 83 | 111 | |
| | Bromodichloromethane | 20 | 20.6 | ug/L | 103 | | | 83 | 110 | |
| | 4-Methyl-2-Pentanone | 100 | 93.0 | ug/L | 93 | | | 74 | 118 | |
| | Toluene | 20 | 20.4 | ug/L | 102 | | | 82 | 110 | |
| | t-1,3-Dichloropropene | 20 | 19.8 | ug/L | 99 | | | 79 | 110 | |
| | cis-1,3-Dichloropropene | 20 | 18.9 | ug/L | 95 | | | 82 | 110 | |
| | 1,1,2-Trichloroethane | 20 | 20.9 | ug/L | 104 | | | 83 | 112 | |
| | 2-Hexanone | 100 | 94.1 | ug/L | 94 | | | 73 | 117 | |
| | Dibromochloromethane | 20 | 21.3 | ug/L | 106 | | | 82 | 110 | |
| | 1,2-Dibromoethane | 20 | 20.9 | ug/L | 104 | | | 81 | 110 | |
| | Tetrachloroethene | 20 | 20.0 | ug/L | 100 | | | 67 | 123 | |
| | Chlorobenzene | 20 | 20.5 | ug/L | 103 | | | 82 | 109 | |
| | Ethyl Benzene | 20 | 19.8 | ug/L | 99 | | | 83 | 109 | |
| | m/p-Xylenes | 40 | 40.3 | ug/L | 101 | | | 82 | 110 | |
| | o-Xylene | 20 | 20.3 | ug/L | 102 | | | 83 | 109 | |
| | Styrene | 20 | 20.0 | ug/L | 100 | | | 80 | 111 | |
| | Bromoform | 20 | 20.1 | ug/L | 101 | | | 79 | 109 | |
| | Isopropylbenzene | 20 | 20.2 | ug/L | 101 | | | 83 | 112 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 21.2 | ug/L | 106 | | | 76 | 118 | |
| | 1,3-Dichlorobenzene | 20 | 20.5 | ug/L | 103 | | | 82 | 108 | |
| | 1,4-Dichlorobenzene | 20 | 20.4 | ug/L | 102 | | | 82 | 107 | |
| | 1,2-Dichlorobenzene | 20 | 20.3 | ug/L | 102 | | | 82 | 109 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low **Datafile :** VN086481.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0505WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 18.6 | ug/L | 93 | | | 68 | 112 | |
| | 1,2,4-Trichlorobenzene | 20 | 18.7 | ug/L | 94 | | | 75 | 113 | |
| | 1,2,3-Trichlorobenzene | 20 | 19.2 | ug/L | 96 | | | 76 | 114 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low **Datafile :** VX046188.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0514WBS01 | Dichlorodifluoromethane | 20 | 20.1 | ug/L | 101 | | | 69 | 116 | |
| | Chloromethane | 20 | 19.3 | ug/L | 97 | | | 65 | 116 | |
| | Vinyl chloride | 20 | 18.8 | ug/L | 94 | | | 65 | 117 | |
| | Bromomethane | 20 | 18.1 | ug/L | 91 | | | 58 | 125 | |
| | Chloroethane | 20 | 21.6 | ug/L | 108 | | | 56 | 128 | |
| | Trichlorofluoromethane | 20 | 20.1 | ug/L | 101 | | | 73 | 115 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.7 | ug/L | 99 | | | 80 | 112 | |
| | 1,1-Dichloroethene | 20 | 18.9 | ug/L | 95 | | | 74 | 110 | |
| | Acetone | 100 | 99.9 | ug/L | 100 | | | 60 | 125 | |
| | Carbon disulfide | 20 | 16.6 | ug/L | 83 | | | 64 | 112 | |
| | Methyl tert-butyl Ether | 20 | 19.7 | ug/L | 99 | | | 78 | 114 | |
| | Methyl Acetate | 20 | 22.7 | ug/L | 114 | | | 67 | 125 | |
| | Methylene Chloride | 20 | 18.7 | ug/L | 94 | | | 72 | 114 | |
| | trans-1,2-Dichloroethene | 20 | 18.8 | ug/L | 94 | | | 75 | 108 | |
| | 1,1-Dichloroethane | 20 | 20.0 | ug/L | 100 | | | 78 | 112 | |
| | Cyclohexane | 20 | 19.3 | ug/L | 97 | | | 75 | 110 | |
| | 2-Butanone | 100 | 100 | ug/L | 100 | | | 65 | 122 | |
| | Carbon Tetrachloride | 20 | 19.3 | ug/L | 97 | | | 77 | 113 | |
| | cis-1,2-Dichloroethene | 20 | 19.7 | ug/L | 99 | | | 77 | 110 | |
| | Bromochloromethane | 20 | 23.0 | ug/L | 115 | | | 70 | 124 | |
| | Chloroform | 20 | 20.6 | ug/L | 103 | | | 79 | 113 | |
| | 1,1,1-Trichloroethane | 20 | 20.0 | ug/L | 100 | | | 80 | 108 | |
| | Methylcyclohexane | 20 | 17.9 | ug/L | 90 | | | 72 | 115 | |
| | Benzene | 20 | 19.8 | ug/L | 99 | | | 82 | 109 | |
| | 1,2-Dichloroethane | 20 | 20.1 | ug/L | 101 | | | 80 | 115 | |
| | Trichloroethene | 20 | 18.9 | ug/L | 95 | | | 77 | 113 | |
| | 1,2-Dichloropropane | 20 | 20.4 | ug/L | 102 | | | 83 | 111 | |
| | Bromodichloromethane | 20 | 19.8 | ug/L | 99 | | | 83 | 110 | |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/L | 100 | | | 74 | 118 | |
| | Toluene | 20 | 19.5 | ug/L | 98 | | | 82 | 110 | |
| | t-1,3-Dichloropropene | 20 | 18.4 | ug/L | 92 | | | 79 | 110 | |
| | cis-1,3-Dichloropropene | 20 | 19.0 | ug/L | 95 | | | 82 | 110 | |
| | 1,1,2-Trichloroethane | 20 | 20.6 | ug/L | 103 | | | 83 | 112 | |
| | 2-Hexanone | 100 | 100 | ug/L | 100 | | | 73 | 117 | |
| | Dibromochloromethane | 20 | 19.7 | ug/L | 99 | | | 82 | 110 | |
| | 1,2-Dibromoethane | 20 | 19.9 | ug/L | 100 | | | 81 | 110 | |
| | Tetrachloroethene | 20 | 18.5 | ug/L | 93 | | | 67 | 123 | |
| | Chlorobenzene | 20 | 19.0 | ug/L | 95 | | | 82 | 109 | |
| | Ethyl Benzene | 20 | 19.4 | ug/L | 97 | | | 83 | 109 | |
| | m/p-Xylenes | 40 | 39.2 | ug/L | 98 | | | 82 | 110 | |
| | o-Xylene | 20 | 19.5 | ug/L | 98 | | | 83 | 109 | |
| | Styrene | 20 | 20.0 | ug/L | 100 | | | 80 | 111 | |
| | Bromoform | 20 | 18.6 | ug/L | 93 | | | 79 | 109 | |
| | Isopropylbenzene | 20 | 20.3 | ug/L | 102 | | | 83 | 112 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.2 | ug/L | 101 | | | 76 | 118 | |
| | 1,3-Dichlorobenzene | 20 | 19.3 | ug/L | 97 | | | 82 | 108 | |
| | 1,4-Dichlorobenzene | 20 | 19.2 | ug/L | 96 | | | 82 | 107 | |
| | 1,2-Dichlorobenzene | 20 | 20.0 | ug/L | 100 | | | 82 | 109 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low **Datafile :** VX046188.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0514WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 20.3 | ug/L | 102 | | | 68 | 112 | |
| | 1,2,4-Trichlorobenzene | 20 | 18.0 | ug/L | 90 | | | 75 | 113 | |
| | 1,2,3-Trichlorobenzene | 20 | 18.9 | ug/L | 95 | | | 76 | 114 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low **Datafile :** VX046189.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0514WBSD01 | Dichlorodifluoromethane | 20 | 19.3 | ug/L | 97 | 4 | | 69 | 116 | 20 |
| | Chloromethane | 20 | 18.4 | ug/L | 92 | 5 | | 65 | 116 | 20 |
| | Vinyl chloride | 20 | 18.1 | ug/L | 91 | 3 | | 65 | 117 | 20 |
| | Bromomethane | 20 | 17.8 | ug/L | 89 | 2 | | 58 | 125 | 20 |
| | Chloroethane | 20 | 20.4 | ug/L | 102 | 6 | | 56 | 128 | 20 |
| | Trichlorofluoromethane | 20 | 19.6 | ug/L | 98 | 3 | | 73 | 115 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.4 | ug/L | 97 | 2 | | 80 | 112 | 20 |
| | 1,1-Dichloroethene | 20 | 18.8 | ug/L | 94 | 1 | | 74 | 110 | 20 |
| | Acetone | 100 | 100 | ug/L | 100 | 0 | | 60 | 125 | 20 |
| | Carbon disulfide | 20 | 16.6 | ug/L | 83 | 0 | | 64 | 112 | 20 |
| | Methyl tert-butyl Ether | 20 | 20.2 | ug/L | 101 | 2 | | 78 | 114 | 20 |
| | Methyl Acetate | 20 | 21.9 | ug/L | 110 | 4 | | 67 | 125 | 20 |
| | Methylene Chloride | 20 | 18.5 | ug/L | 93 | 1 | | 72 | 114 | 20 |
| | trans-1,2-Dichloroethene | 20 | 19.1 | ug/L | 96 | 2 | | 75 | 108 | 20 |
| | 1,1-Dichloroethane | 20 | 20.1 | ug/L | 101 | 1 | | 78 | 112 | 20 |
| | Cyclohexane | 20 | 19.0 | ug/L | 95 | 2 | | 75 | 110 | 20 |
| | 2-Butanone | 100 | 100 | ug/L | 100 | 0 | | 65 | 122 | 20 |
| | Carbon Tetrachloride | 20 | 19.2 | ug/L | 96 | 1 | | 77 | 113 | 20 |
| | cis-1,2-Dichloroethene | 20 | 19.8 | ug/L | 99 | 0 | | 77 | 110 | 20 |
| | Bromochloromethane | 20 | 23.0 | ug/L | 115 | 0 | | 70 | 124 | 20 |
| | Chloroform | 20 | 20.6 | ug/L | 103 | 0 | | 79 | 113 | 20 |
| | 1,1,1-Trichloroethane | 20 | 19.4 | ug/L | 97 | 3 | | 80 | 108 | 20 |
| | Methylcyclohexane | 20 | 18.2 | ug/L | 91 | 1 | | 72 | 115 | 20 |
| | Benzene | 20 | 19.8 | ug/L | 99 | 0 | | 82 | 109 | 20 |
| | 1,2-Dichloroethane | 20 | 20.6 | ug/L | 103 | 2 | | 80 | 115 | 20 |
| | Trichloroethene | 20 | 19.4 | ug/L | 97 | 2 | | 77 | 113 | 20 |
| | 1,2-Dichloropropane | 20 | 20.8 | ug/L | 104 | 2 | | 83 | 111 | 20 |
| | Bromodichloromethane | 20 | 20.6 | ug/L | 103 | 4 | | 83 | 110 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/L | 110 | 10 | | 74 | 118 | 20 |
| | Toluene | 20 | 19.9 | ug/L | 100 | 2 | | 82 | 110 | 20 |
| | t-1,3-Dichloropropene | 20 | 18.8 | ug/L | 94 | 2 | | 79 | 110 | 20 |
| | cis-1,3-Dichloropropene | 20 | 19.6 | ug/L | 98 | 3 | | 82 | 110 | 20 |
| | 1,1,2-Trichloroethane | 20 | 20.5 | ug/L | 103 | 0 | | 83 | 112 | 20 |
| | 2-Hexanone | 100 | 110 | ug/L | 110 | 10 | | 73 | 117 | 20 |
| | Dibromochloromethane | 20 | 20.3 | ug/L | 102 | 3 | | 82 | 110 | 20 |
| | 1,2-Dibromoethane | 20 | 20.5 | ug/L | 103 | 3 | | 81 | 110 | 20 |
| | Tetrachloroethene | 20 | 18.7 | ug/L | 94 | 1 | | 67 | 123 | 20 |
| | Chlorobenzene | 20 | 19.3 | ug/L | 97 | 2 | | 82 | 109 | 20 |
| | Ethyl Benzene | 20 | 19.4 | ug/L | 97 | 0 | | 83 | 109 | 20 |
| | m/p-Xylenes | 40 | 38.7 | ug/L | 97 | 1 | | 82 | 110 | 20 |
| | o-Xylene | 20 | 19.5 | ug/L | 98 | 0 | | 83 | 109 | 20 |
| | Styrene | 20 | 20.3 | ug/L | 102 | 2 | | 80 | 111 | 20 |
| | Bromoform | 20 | 18.5 | ug/L | 93 | 0 | | 79 | 109 | 20 |
| | Isopropylbenzene | 20 | 19.5 | ug/L | 98 | 4 | | 83 | 112 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.1 | ug/L | 101 | 0 | | 76 | 118 | 20 |
| | 1,3-Dichlorobenzene | 20 | 19.3 | ug/L | 97 | 0 | | 82 | 108 | 20 |
| | 1,4-Dichlorobenzene | 20 | 19.4 | ug/L | 97 | 1 | | 82 | 107 | 20 |
| | 1,2-Dichlorobenzene | 20 | 20.0 | ug/L | 100 | 0 | | 82 | 109 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260-Low **Datafile :** VX046189.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0514WBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 20.0 | ug/L | 100 | 2 | | 68 | 112 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 18.1 | ug/L | 91 | 1 | | 75 | 113 | 20 |
| | 1,2,3-Trichlorobenzene | 20 | 18.8 | ug/L | 94 | 1 | | 76 | 114 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D **Datafile :** VY022147.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0505SBS01 | Dichlorodifluoromethane | 20 | 18.8 | ug/Kg | 94 | | | 64 | 136 | |
| | Chloromethane | 20 | 19.9 | ug/Kg | 100 | | | 70 | 130 | |
| | Vinyl chloride | 20 | 19.9 | ug/Kg | 100 | | | 72 | 129 | |
| | Bromomethane | 20 | 22.1 | ug/Kg | 111 | | | 58 | 141 | |
| | Chloroethane | 20 | 20.7 | ug/Kg | 104 | | | 69 | 130 | |
| | Trichlorofluoromethane | 20 | 20.5 | ug/Kg | 103 | | | 69 | 134 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.7 | ug/Kg | 104 | | | 81 | 123 | |
| | 1,1-Dichloroethene | 20 | 20.0 | ug/Kg | 100 | | | 79 | 121 | |
| | Acetone | 100 | 93.4 | ug/Kg | 93 | | | 60 | 131 | |
| | Carbon disulfide | 20 | 19.2 | ug/Kg | 96 | | | 45 | 154 | |
| | Methyl tert-butyl Ether | 20 | 19.4 | ug/Kg | 97 | | | 77 | 129 | |
| | Methyl Acetate | 20 | 20.4 | ug/Kg | 102 | | | 69 | 149 | |
| | Methylene Chloride | 20 | 18.7 | ug/Kg | 94 | | | 56 | 174 | |
| | trans-1,2-Dichloroethene | 20 | 19.9 | ug/Kg | 100 | | | 80 | 123 | |
| | 1,1-Dichloroethane | 20 | 20.1 | ug/Kg | 101 | | | 82 | 123 | |
| | Cyclohexane | 20 | 19.8 | ug/Kg | 99 | | | 76 | 122 | |
| | 2-Butanone | 100 | 92.1 | ug/Kg | 92 | | | 69 | 131 | |
| | Carbon Tetrachloride | 20 | 21.1 | ug/Kg | 106 | | | 76 | 129 | |
| | cis-1,2-Dichloroethene | 20 | 19.8 | ug/Kg | 99 | | | 82 | 123 | |
| | Bromochloromethane | 20 | 20.5 | ug/Kg | 103 | | | 80 | 127 | |
| | Chloroform | 20 | 20.3 | ug/Kg | 102 | | | 82 | 125 | |
| | 1,1,1-Trichloroethane | 20 | 20.8 | ug/Kg | 104 | | | 80 | 126 | |
| | Methylcyclohexane | 20 | 19.7 | ug/Kg | 99 | | | 77 | 123 | |
| | Benzene | 20 | 20.2 | ug/Kg | 101 | | | 84 | 121 | |
| | 1,2-Dichloroethane | 20 | 21.0 | ug/Kg | 105 | | | 81 | 126 | |
| | Trichloroethene | 20 | 20.7 | ug/Kg | 104 | | | 83 | 122 | |
| | 1,2-Dichloropropane | 20 | 20.3 | ug/Kg | 102 | | | 83 | 122 | |
| | Bromodichloromethane | 20 | 20.5 | ug/Kg | 103 | | | 82 | 123 | |
| | 4-Methyl-2-Pentanone | 100 | 95.6 | ug/Kg | 96 | | | 70 | 135 | |
| | Toluene | 20 | 20.2 | ug/Kg | 101 | | | 83 | 122 | |
| | t-1,3-Dichloropropene | 20 | 20.2 | ug/Kg | 101 | | | 78 | 124 | |
| | cis-1,3-Dichloropropene | 20 | 20.0 | ug/Kg | 100 | | | 81 | 122 | |
| | 1,1,2-Trichloroethane | 20 | 20.3 | ug/Kg | 102 | | | 82 | 125 | |
| | 2-Hexanone | 100 | 92.9 | ug/Kg | 93 | | | 66 | 138 | |
| | Dibromochloromethane | 20 | 19.5 | ug/Kg | 98 | | | 79 | 125 | |
| | 1,2-Dibromoethane | 20 | 19.6 | ug/Kg | 98 | | | 80 | 125 | |
| | Tetrachloroethene | 20 | 21.3 | ug/Kg | 106 | | | 83 | 125 | |
| | Chlorobenzene | 20 | 20.0 | ug/Kg | 100 | | | 84 | 122 | |
| | Ethyl Benzene | 20 | 19.6 | ug/Kg | 98 | | | 82 | 124 | |
| | m/p-Xylenes | 40 | 40.3 | ug/Kg | 101 | | | 83 | 124 | |
| | o-Xylene | 20 | 19.9 | ug/Kg | 100 | | | 83 | 123 | |
| | Styrene | 20 | 19.8 | ug/Kg | 99 | | | 82 | 124 | |
| | Bromoform | 20 | 19.3 | ug/Kg | 97 | | | 75 | 127 | |
| | Isopropylbenzene | 20 | 19.5 | ug/Kg | 98 | | | 82 | 124 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.9 | ug/Kg | 95 | | | 77 | 127 | |
| | 1,3-Dichlorobenzene | 20 | 19.6 | ug/Kg | 98 | | | 83 | 122 | |
| | 1,4-Dichlorobenzene | 20 | 19.5 | ug/Kg | 98 | | | 84 | 121 | |
| | 1,2-Dichlorobenzene | 20 | 19.4 | ug/Kg | 97 | | | 83 | 124 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** SW8260D **Datafile :** VY022147.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0505SBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 19.6 | ug/Kg | 98 | | | 66 | 134 | |
| | 1,2,4-Trichlorobenzene | 20 | 18.4 | ug/Kg | 92 | | | 78 | 127 | |
| | 1,2,3-Trichlorobenzene | 20 | 18.4 | ug/Kg | 92 | | | 70 | 137 | |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086480.D Lab Sample ID: VN0505WBL01

Date Analyzed: 05/05/2025 Time Analyzed: 12:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VN0505WBS01 | VN0505WBS01 | VN086481.D | 05/05/2025 |
| FB-05022025 | Q1956-07 | VN086488.D | 05/05/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0514WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046183.D Lab Sample ID: VX0514WBL01

Date Analyzed: 05/14/2025 Time Analyzed: 10:50

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 SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| TB | Q1956-09 | VX046184.D | 05/14/2025 |
| VX0514WBS01 | VX0514WBS01 | VX046188.D | 05/14/2025 |
| VX0514WBSD01 | VX0514WBSD01 | VX046189.D | 05/14/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0505SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022146.D Lab Sample ID: VY0505SBL01

Date Analyzed: 05/05/2025 Time Analyzed: 09:24

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VY0505SBS01 | VY0505SBS01 | VY022147.D | 05/05/2025 |
| SB1-3-4 | Q1956-01 | VY022162.D | 05/05/2025 |
| SB2-4-5 | Q1956-02 | VY022163.D | 05/05/2025 |
| SB91-3-4 | Q1956-06 | VY022164.D | 05/05/2025 |
| SB2-4-5MS | Q1956-03MS | VY022165.D | 05/05/2025 |
| SB2-4-5MSD | Q1956-04MSD | VY022166.D | 05/05/2025 |

COMMENTS:

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Fax : 908 789 8922

# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.6 |
| 75 | 30.0 - 60.0% of mass 95 | 50.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 67.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.1 ( 7.6 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 64.6 ( 95.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.4 ( 6.7 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VN086277.D | 04/15/2025 | 11:29 |
| VSTDICC005 | VSTDICC005 | VN086278.D | 04/15/2025 | 12:21 |
| VSTDICC010 | VSTDICC010 | VN086279.D | 04/15/2025 | 12:45 |
| VSTDICC020 | VSTDICC020 | VN086280.D | 04/15/2025 | 13:09 |
| VSTDICCC050 | VSTDICCC050 | VN086281.D | 04/15/2025 | 13:51 |
| VSTDICC100 | VSTDICC100 | VN086282.D | 04/15/2025 | 14:29 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086477.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.8 |
| 75 | 30.0 - 60.0% of mass 95 | 53.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.4 |
| 173 | Less than 2.0% of mass 174 | 0.7 ( 1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 70.3 ( 95 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 ( 6.8 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VN086478.D | 05/05/2025 | 11:32 |
| VN0505WBL01 | VN0505WBL01 | VN086480.D | 05/05/2025 | 12:38 |
| VN0505WBS01 | VN0505WBS01 | VN086481.D | 05/05/2025 | 13:02 |
| FB-05022025 | Q1956-07 | VN086488.D | 05/05/2025 | 16:00 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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 | 22.1 |
| 75 | 30.0 - 60.0% of mass 95 | 56.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.4 |
| 173 | Less than 2.0% of mass 174 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 68.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5 ( 7.3 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 66.7 ( 97 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 6.9 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC020 | VSTDICC020 | VX046041.D | 05/05/2025 | 11:35 |
| VSTDICCC050 | VSTDICCC050 | VX046042.D | 05/05/2025 | 11:58 |
| VSTDICC100 | VSTDICC100 | VX046043.D | 05/05/2025 | 12:21 |
| VSTDICC150 | VSTDICC150 | VX046044.D | 05/05/2025 | 12:45 |
| VSTDICC005 | VSTDICC005 | VX046046.D | 05/05/2025 | 16:04 |
| VSTDICC001 | VSTDICC001 | VX046047.D | 05/05/2025 | 16:27 |

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A B C D E F G

# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046180.D BFB Injection Date: 05/14/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:29

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 | 22.1 |
| 75 | 30.0 - 60.0% of mass 95 | 57.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 0.2 ( 0.3 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 69 |
| 175 | 5.0 - 9.0% of mass 174 | 5.2 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 65.9 ( 95.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.1 ( 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 SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX046181.D | 05/14/2025 | 09:59 |
| VX0514WBL01 | VX0514WBL01 | VX046183.D | 05/14/2025 | 10:50 |
| TB | Q1956-09 | VX046184.D | 05/14/2025 | 11:13 |
| VX0514WBS01 | VX0514WBS01 | VX046188.D | 05/14/2025 | 12:46 |
| VX0514WBSD01 | VX0514WBSD01 | VX046189.D | 05/14/2025 | 13:12 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 16.9 |
| 75 | 30.0 - 60.0% of mass 95 | 49.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 1.5 ( 1.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 88.4 |
| 175 | 5.0 - 9.0% of mass 174 | 7.1 ( 8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 84.9 ( 96.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.5 ( 6.4 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VY021953.D | 04/22/2025 | 13:39 |
| VSTDICC010 | VSTDICC010 | VY021954.D | 04/22/2025 | 14:44 |
| VSTDICC020 | VSTDICC020 | VY021955.D | 04/22/2025 | 15:07 |
| VSTDICCC050 | VSTDICCC050 | VY021956.D | 04/22/2025 | 15:29 |
| VSTDICC100 | VSTDICC100 | VY021957.D | 04/22/2025 | 15:52 |
| VSTDICC150 | VSTDICC150 | VY021958.D | 04/22/2025 | 16:15 |

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A B C D E F G

# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022144.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 16.8 |
| 75 | 30.0 - 60.0% of mass 95 | 49.9 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7 |
| 173 | Less than 2.0% of mass 174 | 1.2 ( 1.4 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 85.4 |
| 175 | 5.0 - 9.0% of mass 174 | 6.5 ( 7.7 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 81.6 ( 95.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.4 ( 6.7 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VY022145.D | 05/05/2025 | 08:46 |
| VY0505SBL01 | VY0505SBL01 | VY022146.D | 05/05/2025 | 09:24 |
| VY0505SBS01 | VY0505SBS01 | VY022147.D | 05/05/2025 | 09:55 |
| SB1-3-4 | Q1956-01 | VY022162.D | 05/05/2025 | 16:18 |
| SB2-4-5 | Q1956-02 | VY022163.D | 05/05/2025 | 16:42 |
| SB91-3-4 | Q1956-06 | VY022164.D | 05/05/2025 | 17:05 |
| SB2-4-5MS | Q1956-03MS | VY022165.D | 05/05/2025 | 17:28 |
| SB2-4-5MSD | Q1956-04MSD | VY022166.D | 05/05/2025 | 17:51 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 154484 | 8.22 | 297307 | 9.10 | 276417 | 11.87 |
| UPPER LIMIT | 308968 | 8.718 | 594614 | 9.6 | 552834 | 12.365 |
| LOWER LIMIT | 77242 | 7.718 | 148654 | 8.6 | 138209 | 11.365 |
| EPA SAMPLE NO. | | | | | | |
| FB-05022025 | 141270 | 8.22 | 272905 | 9.10 | 255761 | 11.87 |
| VN0505WBL01 | 156438 | 8.22 | 296282 | 9.10 | 275019 | 11.87 |
| VN0505WBS01 | 196497 | 8.22 | 366604 | 9.10 | 333505 | 11.87 |

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.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 133852 | 13.788 | | | | |
| UPPER LIMIT | 267704 | 14.288 | | | | |
| LOWER LIMIT | 66926 | 13.288 | | | | |
| EPA SAMPLE NO. | | | | | | |
| FB-05022025 | 111305 | 13.79 | | | | |
| VN0505WBL01 | 110905 | 13.79 | | | | |
| VN0505WBS01 | 147574 | 13.79 | | | | |

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.

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046181.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 92522 | 5.54 | 155707 | 6.76 | 140519 | 10.05 |
| UPPER LIMIT | 185044 | 6.043 | 311414 | 7.257 | 281038 | 10.549 |
| LOWER LIMIT | 46261 | 5.043 | 77853.5 | 6.257 | 70259.5 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| TB | 65765 | 5.55 | 132071 | 6.76 | 124301 | 10.05 |
| VX0514WBL01 | 66143 | 5.55 | 133003 | 6.76 | 124085 | 10.05 |
| VX0514WBS01 | 87880 | 5.55 | 155746 | 6.76 | 138245 | 10.05 |
| VX0514WBSD01 | 86737 | 5.54 | 152178 | 6.76 | 134818 | 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.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046181.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 65751 | 12.018 | | | | |
| UPPER LIMIT | 131502 | 12.518 | | | | |
| LOWER LIMIT | 32875.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| TB | 53565 | 12.02 | | | | |
| VX0514WBL01 | 54666 | 12.02 | | | | |
| VX0514WBS01 | 63286 | 12.02 | | | | |
| VX0514WBSD01 | 63322 | 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.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 301546 | 7.71 | 450262 | 8.62 | 415602 | 11.42 |
| UPPER LIMIT | 603092 | 8.213 | 900524 | 9.116 | 831204 | 11.92 |
| LOWER LIMIT | 150773 | 7.213 | 225131 | 8.116 | 207801 | 10.92 |
| EPA SAMPLE NO. | | | | | | |
| SB1-3-4 | 219011 | 7.71 | 424575 | 8.62 | 385973 | 11.41 |
| SB2-4-5 | 219179 | 7.71 | 426674 | 8.62 | 385317 | 11.42 |
| SB2-4-5MS | 168734 | 7.71 | 261635 | 8.62 | 242756 | 11.41 |
| SB2-4-5MSD | 183464 | 7.71 | 282446 | 8.62 | 251760 | 11.41 |
| SB91-3-4 | 214691 | 7.71 | 422744 | 8.62 | 385176 | 11.41 |
| VY0505SBL01 | 329285 | 7.71 | 599236 | 8.62 | 511500 | 11.42 |
| VY0505SBS01 | 283597 | 7.71 | 437631 | 8.62 | 395977 | 11.42 |

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.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 221579 | 13.347 | | | | |
| UPPER LIMIT | 443158 | 13.847 | | | | |
| LOWER LIMIT | 110790 | 12.847 | | | | |
| EPA SAMPLE NO. | | | | | | |
| SB1-3-4 | 144961 | 13.35 | | | | |
| SB2-4-5 | 140796 | 13.35 | | | | |
| SB2-4-5MS | 125407 | 13.35 | | | | |
| SB2-4-5MSD | 123121 | 13.35 | | | | |
| SB91-3-4 | 143859 | 13.35 | | | | |
| VY0505SBL01 | 191516 | 13.35 | | | | |
| VY0505SBS01 | 212383 | 13.35 | | | | |

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VN0505WBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VN0505WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086480.D | 1 | | 05/05/25 12:38 | VN050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 1.00 | U | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 1.00 | U | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 5.00 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 1.00 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1.00 | U | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.00 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 5.00 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.00 | U | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 1.00 | U | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 1.00 | U | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.00 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 5.00 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 5.00 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1.00 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 1.00 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 1.00 | U | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 1.00 | U | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.00 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 1.00 | U | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VN0505WBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VN0505WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086480.D | 1 | | 05/05/25 12:38 | VN050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1.00 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1.00 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 5.00 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 1.00 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1.00 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 1.00 | U | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2.00 | U | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 1.00 | U | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.00 | U | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.00 | U | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.0 | | 74 - 125 | 98% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 60.2 | | 75 - 124 | 120% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.8 | | 86 - 113 | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.3 | | 77 - 121 | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 156000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 296000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 275000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | 13.788 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VN0505WBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VN0505WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086480.D | 1 | | 05/05/25 12:38 | VN050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046183.D | 1 | | 05/14/25 10:50 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 1.00 | U | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 1.00 | U | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 5.00 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 1.00 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 1.00 | U | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.00 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 5.00 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 1.00 | U | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 1.00 | U | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 1.00 | U | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 1.00 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 5.00 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 5.00 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 1.00 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 1.00 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 1.00 | U | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 1.00 | U | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 1.00 | U | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 1.00 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.00 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 1.00 | U | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046183.D | 1 | | 05/14/25 10:50 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 1.00 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 1.00 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 5.00 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 1.00 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 1.00 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 1.00 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 1.00 | U | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 2.00 | U | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 1.00 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 1.00 | U | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 1.00 | U | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.00 | U | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 1.00 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 1.00 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.00 | U | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.00 | U | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.7 | | 74 - 125 | 107% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.2 | | 75 - 124 | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.1 | | 86 - 113 | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.1 | | 77 - 121 | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 66100 | 5.55 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 133000 | 6.757 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 124000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 54700 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046183.D | 1 | | 05/14/25 10:50 | VX051425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VY0505SBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VY0505SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022146.D | 1 | | 05/05/25 09:24 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 5.00 | U | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 5.00 | U | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 5.00 | U | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 5.00 | U | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 5.00 | U | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 5.00 | U | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 5.00 | U | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 5.00 | U | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 25.0 | U | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 5.00 | U | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 5.00 | U | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 5.00 | U | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 10.0 | U | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 5.00 | U | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 5.00 | U | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 5.00 | U | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 25.0 | U | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 5.00 | U | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 5.00 | U | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 5.00 | U | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 5.00 | U | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 5.00 | U | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 5.00 | U | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 5.00 | U | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 5.00 | U | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 5.00 | U | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 5.00 | U | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 5.00 | U | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 25.0 | U | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 5.00 | U | 0.78 | 5.00 | ug/Kg |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VY0505SBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VY0505SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022146.D | 1 | | 05/05/25 09:24 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 5.00 | U | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 5.00 | U | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 5.00 | U | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 25.0 | U | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 5.00 | U | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 5.00 | U | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 5.00 | U | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 5.00 | U | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 5.00 | U | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 10.0 | U | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 5.00 | U | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 5.00 | U | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 5.00 | U | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 5.00 | U | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5.00 | U | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 5.00 | U | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 5.00 | U | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 5.00 | U | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.00 | U | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.00 | U | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5.00 | U | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.8 | | 63 - 155 | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.1 | | 70 - 134 | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 46.5 | | 74 - 123 | 93% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 55.3 | | 38 - 136 | 111% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 329000 | 7.713 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 599000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 512000 | 11.42 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 192000 | 13.346 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VY0505SBL01 | SDG No.: | Q1956 |
| Lab Sample ID: | VY0505SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022146.D | 1 | | 05/05/25 09:24 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VN0505WBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VN0505WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086481.D | 1 | | 05/05/25 13:02 | VN050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.6 | | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 17.7 | | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 19.0 | | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 24.1 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 19.2 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.2 | | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.0 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 19.1 | | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 92.7 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.7 | | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 18.7 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 16.3 | | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 20.0 | | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.6 | | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 19.1 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 17.6 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 88.3 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 20.6 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 19.9 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 18.4 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 20.2 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.7 | | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.4 | | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.6 | | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.6 | | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 20.4 | | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 19.1 | | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.6 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 93.0 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 20.4 | | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VN0505WBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VN0505WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086481.D | 1 | | 05/05/25 13:02 | VN050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 19.8 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.9 | | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.9 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 94.1 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 21.3 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.9 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.0 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 20.5 | | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.8 | | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.3 | | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 20.3 | | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 20.0 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 20.1 | | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 20.2 | | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 21.2 | | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.5 | | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.4 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.3 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.6 | | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.7 | | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.2 | | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.6 | | 74 - 125 | 103% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 57.8 | | 75 - 124 | 116% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.4 | | 86 - 113 | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.2 | | 77 - 121 | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 196000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 367000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 334000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 148000 | 13.788 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VN0505WBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VN0505WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086481.D | 1 | | 05/05/25 13:02 | VN050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046188.D | 1 | | 05/14/25 12:46 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.1 | | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 19.3 | | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.8 | | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 18.1 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 21.6 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.1 | | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.7 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.9 | | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 99.9 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 16.6 | | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 19.7 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 22.7 | | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.7 | | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.8 | | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.0 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 19.3 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 100 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 19.3 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 19.7 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 23.0 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 20.6 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.0 | | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 17.9 | | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.8 | | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.1 | | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 18.9 | | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 20.4 | | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 19.8 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.5 | | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046188.D | 1 | | 05/14/25 12:46 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.4 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.0 | | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.6 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 19.7 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 19.9 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.5 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.0 | | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.4 | | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 39.2 | | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.5 | | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 20.0 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 18.6 | | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 20.3 | | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.2 | | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 19.3 | | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.2 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.0 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20.3 | | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.0 | | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 18.9 | | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.1 | | 74 - 125 | 104% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.2 | | 75 - 124 | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.3 | | 86 - 113 | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.2 | | 77 - 121 | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 87900 | 5.55 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 156000 | 6.757 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 138000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 63300 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046188.D | 1 | | 05/14/25 12:46 | VX051425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VY0505SBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VY0505SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022147.D | 1 | | 05/05/25 09:55 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 18.8 | | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 19.9 | | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 19.9 | | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 22.1 | | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 20.7 | | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 20.5 | | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.7 | | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 20.0 | | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 93.4 | | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 19.2 | | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 19.4 | | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 20.4 | | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 18.7 | | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 19.9 | | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 20.1 | | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 19.8 | | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 92.1 | | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 21.1 | | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 19.8 | | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 20.5 | | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 20.3 | | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 20.8 | | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 19.7 | | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 20.2 | | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 21.0 | | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 20.7 | | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 20.3 | | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 20.5 | | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 95.6 | | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 20.2 | | 0.78 | 5.00 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VY0505SBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VY0505SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022147.D | 1 | | 05/05/25 09:55 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.2 | | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.0 | | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 20.3 | | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 92.9 | | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 19.5 | | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 19.6 | | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 21.3 | | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 20.0 | | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 19.6 | | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 40.3 | | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 19.9 | | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 19.8 | | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 19.3 | | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 19.5 | | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.9 | | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 19.6 | | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 19.5 | | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 19.4 | | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 19.6 | | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.4 | | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 18.4 | | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.9 | | 63 - 155 | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.4 | | 70 - 134 | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.9 | | 74 - 123 | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.1 | | 38 - 136 | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 284000 | 7.713 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 438000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 396000 | 11.42 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 212000 | 13.346 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VY0505SBS01 | SDG No.: | Q1956 |
| Lab Sample ID: | VY0505SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022147.D | 1 | | 05/05/25 09:55 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBSD01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046189.D | 1 | | 05/14/25 13:12 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.3 | | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 18.4 | | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.1 | | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 17.8 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 20.4 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.6 | | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.4 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.8 | | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 100 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 16.6 | | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.2 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 21.9 | | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.5 | | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.1 | | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.1 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 19.0 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 100 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 19.2 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 19.8 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 23.0 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 20.6 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 19.4 | | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.2 | | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.8 | | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.6 | | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 19.4 | | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 20.8 | | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.6 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 110 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.9 | | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBSD01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046189.D | 1 | | 05/14/25 13:12 | VX051425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.8 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.6 | | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.5 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 110 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 20.3 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.5 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.7 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.3 | | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.4 | | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 38.7 | | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.5 | | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 20.3 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 18.5 | | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 19.5 | | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.1 | | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 19.3 | | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.4 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.0 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20.0 | | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.1 | | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 18.8 | | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.3 | | 74 - 125 | 103% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.6 | | 75 - 124 | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.2 | | 86 - 113 | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.7 | | 77 - 121 | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 86700 | 5.544 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 152000 | 6.757 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 135000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 63300 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | |
| Project: | Bergen Point Fueling System | Date Received: | |
| Client Sample ID: | VX0514WBSD01 | SDG No.: | Q1956 |
| Lab Sample ID: | VX0514WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046189.D | 1 | | 05/14/25 13:12 | VX051425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5MS | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-03MS | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 5.87 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022165.D | 1 | | 05/05/25 17:28 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 40.8 | | 1.00 | 4.60 | ug/Kg |
| 74-87-3 | Chloromethane | 45.3 | | 1.00 | 4.60 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 48.7 | | 0.72 | 4.60 | ug/Kg |
| 74-83-9 | Bromomethane | 41.5 | | 0.97 | 4.60 | ug/Kg |
| 75-00-3 | Chloroethane | 51.8 | | 1.10 | 4.60 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 46.3 | | 1.10 | 4.60 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 44.5 | | 0.97 | 4.60 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 44.9 | | 0.91 | 4.60 | ug/Kg |
| 67-64-1 | Acetone | 270 | | 4.30 | 22.8 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 41.0 | | 0.97 | 4.60 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 47.4 | | 0.67 | 4.60 | ug/Kg |
| 79-20-9 | Methyl Acetate | 86.3 | | 1.40 | 4.60 | ug/Kg |
| 75-09-2 | Methylene Chloride | 46.5 | | 3.20 | 9.10 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 46.9 | | 0.78 | 4.60 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 50.9 | | 0.73 | 4.60 | ug/Kg |
| 110-82-7 | Cyclohexane | 45.5 | | 0.72 | 4.60 | ug/Kg |
| 78-93-3 | 2-Butanone | 230 | | 6.00 | 22.8 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 47.8 | | 0.88 | 4.60 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 49.0 | | 0.68 | 4.60 | ug/Kg |
| 74-97-5 | Bromochloromethane | 54.5 | | 1.00 | 4.60 | ug/Kg |
| 67-66-3 | Chloroform | 50.6 | | 0.77 | 4.60 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 48.7 | | 0.85 | 4.60 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 45.4 | | 0.83 | 4.60 | ug/Kg |
| 71-43-2 | Benzene | 50.6 | | 0.72 | 4.60 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 49.1 | | 0.72 | 4.60 | ug/Kg |
| 79-01-6 | Trichloroethene | 46.8 | | 0.74 | 4.60 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 51.9 | | 0.83 | 4.60 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 50.9 | | 0.71 | 4.60 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 250 | | 3.30 | 22.8 | ug/Kg |
| 108-88-3 | Toluene | 52.4 | | 0.71 | 4.60 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5MS | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-03MS | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 5.87 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022165.D | 1 | | 05/05/25 17:28 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 45.6 | | 0.59 | 4.60 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 45.7 | | 0.56 | 4.60 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 48.1 | | 0.84 | 4.60 | ug/Kg |
| 591-78-6 | 2-Hexanone | 240 | | 3.40 | 22.8 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 47.7 | | 0.79 | 4.60 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 46.5 | | 0.80 | 4.60 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 47.7 | | 0.96 | 4.60 | ug/Kg |
| 108-90-7 | Chlorobenzene | 46.7 | | 0.83 | 4.60 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 49.8 | | 0.61 | 4.60 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 100 | | 1.10 | 9.10 | ug/Kg |
| 95-47-6 | o-Xylene | 49.4 | | 0.75 | 4.60 | ug/Kg |
| 100-42-5 | Styrene | 36.0 | | 0.65 | 4.60 | ug/Kg |
| 75-25-2 | Bromoform | 44.1 | | 0.78 | 4.60 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 50.0 | | 0.71 | 4.60 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 46.9 | | 1.10 | 4.60 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 42.5 | | 1.60 | 4.60 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 42.8 | | 1.40 | 4.60 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 42.8 | | 1.30 | 4.60 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 43.7 | | 1.70 | 4.60 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 29.2 | | 2.70 | 4.60 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 27.7 | | 2.90 | 4.60 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.9 | | 63 - 155 | 112% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 58.1 | | 70 - 134 | 116% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 60.8 | | 74 - 123 | 122% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 55.6 | | 38 - 136 | 111% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 169000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 262000 | 8.615 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 243000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 125000 | 13.346 | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5MS | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-03MS | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 5.87 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022165.D | 1 | | 05/05/25 17:28 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5MSD | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-04MSD | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 6.17 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022166.D | 1 | | 05/05/25 17:51 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 45.3 | | 0.99 | 4.30 | ug/Kg |
| 74-87-3 | Chloromethane | 46.2 | | 0.99 | 4.30 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 51.2 | | 0.68 | 4.30 | ug/Kg |
| 74-83-9 | Bromomethane | 43.4 | | 0.93 | 4.30 | ug/Kg |
| 75-00-3 | Chloroethane | 51.5 | | 1.10 | 4.30 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 46.8 | | 1.00 | 4.30 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 46.8 | | 0.92 | 4.30 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 46.8 | | 0.87 | 4.30 | ug/Kg |
| 67-64-1 | Acetone | 200 | | 4.10 | 21.7 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 41.8 | | 0.92 | 4.30 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 42.0 | | 0.63 | 4.30 | ug/Kg |
| 79-20-9 | Methyl Acetate | 67.4 | | 1.30 | 4.30 | ug/Kg |
| 75-09-2 | Methylene Chloride | 43.0 | | 3.10 | 8.70 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 47.0 | | 0.75 | 4.30 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 50.3 | | 0.69 | 4.30 | ug/Kg |
| 110-82-7 | Cyclohexane | 46.7 | | 0.68 | 4.30 | ug/Kg |
| 78-93-3 | 2-Butanone | 180 | | 5.70 | 21.7 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 49.3 | | 0.84 | 4.30 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 47.5 | | 0.65 | 4.30 | ug/Kg |
| 74-97-5 | Bromochloromethane | 44.2 | | 1.00 | 4.30 | ug/Kg |
| 67-66-3 | Chloroform | 49.7 | | 0.73 | 4.30 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 49.7 | | 0.81 | 4.30 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 48.1 | | 0.79 | 4.30 | ug/Kg |
| 71-43-2 | Benzene | 50.5 | | 0.68 | 4.30 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 44.9 | | 0.68 | 4.30 | ug/Kg |
| 79-01-6 | Trichloroethene | 47.8 | | 0.70 | 4.30 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 50.3 | | 0.79 | 4.30 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 47.9 | | 0.68 | 4.30 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 190 | | 3.10 | 21.7 | ug/Kg |
| 108-88-3 | Toluene | 51.4 | | 0.68 | 4.30 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5MSD | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-04MSD | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 6.17 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022166.D | 1 | | 05/05/25 17:51 | VY050525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 41.4 | | 0.56 | 4.30 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 44.2 | | 0.54 | 4.30 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 43.0 | | 0.80 | 4.30 | ug/Kg |
| 591-78-6 | 2-Hexanone | 180 | | 3.20 | 21.7 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 43.1 | | 0.75 | 4.30 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 40.2 | | 0.76 | 4.30 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 49.2 | | 0.91 | 4.30 | ug/Kg |
| 108-90-7 | Chlorobenzene | 47.7 | | 0.79 | 4.30 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 51.9 | | 0.58 | 4.30 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 100 | | 1.10 | 8.70 | ug/Kg |
| 95-47-6 | o-Xylene | 51.4 | | 0.71 | 4.30 | ug/Kg |
| 100-42-5 | Styrene | 38.0 | | 0.62 | 4.30 | ug/Kg |
| 75-25-2 | Bromoform | 39.0 | | 0.75 | 4.30 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 55.0 | | 0.68 | 4.30 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 42.8 | | 1.00 | 4.30 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 45.9 | | 1.50 | 4.30 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 44.1 | | 1.40 | 4.30 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 44.3 | | 1.30 | 4.30 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 36.4 | | 1.60 | 4.30 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 28.7 | | 2.60 | 4.30 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 25.7 | | 2.80 | 4.30 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.3 | | 63 - 155 | 103% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 56.8 | | 70 - 134 | 114% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 58.8 | | 74 - 123 | 118% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.5 | | 38 - 136 | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 183000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 282000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 252000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 123000 | 13.347 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | CDM Smith | Date Collected: | 05/02/25 |
| Project: | Bergen Point Fueling System | Date Received: | 05/02/25 |
| Client Sample ID: | SB2-4-5MSD | SDG No.: | Q1956 |
| Lab Sample ID: | Q1956-04MSD | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 93.5 |
| Sample Wt/Vol: | 6.17 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VY022166.D | 1 | | 05/05/25 17:51 | VY050525 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

# CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

| COMPOUND | RRF001 | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.606 | 0.561 | 0.582 | 0.624 | 0.591 | 0.593 | 0.593 | 3.6 |
| Chloromethane | 1.113 | 0.904 | 0.783 | 0.819 | 0.754 | 0.795 | 0.861 | 15.5 |
| Vinyl Chloride | 0.897 | 0.825 | 0.785 | 0.846 | 0.791 | 0.788 | 0.822 | 5.4 |
| Bromomethane | | 0.383 | 0.370 | 0.395 | 0.356 | 0.344 | 0.370 | 5.5 |
| Chloroethane | 0.650 | 0.580 | 0.519 | 0.543 | 0.500 | 0.509 | 0.550 | 10.3 |
| Trichlorofluoromethane | 0.988 | 0.951 | 0.859 | 0.927 | 0.863 | 0.875 | 0.911 | 5.9 |
| 1,1,2-Trichlorotrifluoroethane | 0.577 | 0.581 | 0.522 | 0.567 | 0.526 | 0.532 | 0.551 | 4.9 |
| 1,1-Dichloroethene | 0.660 | 0.622 | 0.553 | 0.588 | 0.551 | 0.557 | 0.588 | 7.6 |
| Acetone | 0.423 | 0.284 | 0.252 | 0.283 | 0.251 | 0.247 | 0.290 | 23.2 |
| Carbon Disulfide | 2.325 | 1.864 | 1.602 | 1.721 | 1.558 | 1.503 | 1.762 | 17.3 |
| Methyl tert-butyl Ether | 2.478 | 2.266 | 2.013 | 2.199 | 2.010 | 2.014 | 2.163 | 8.8 |
| Methyl Acetate | 1.024 | 0.912 | 0.819 | 0.864 | 0.781 | 0.822 | 0.870 | 10 |
| Methylene Chloride | 0.782 | 0.707 | 0.616 | 0.670 | 0.619 | 0.629 | 0.670 | 9.7 |
| trans-1,2-Dichloroethene | 0.703 | 0.656 | 0.557 | 0.620 | 0.575 | 0.580 | 0.615 | 9.1 |
| 1,1-Dichloroethane | 1.315 | 1.274 | 1.122 | 1.206 | 1.136 | 1.152 | 1.201 | 6.6 |
| Cyclohexane | | 1.439 | 1.140 | 1.169 | 1.066 | 1.062 | 1.175 | 13.1 |
| 2-Butanone | 0.504 | 0.473 | 0.420 | 0.466 | 0.425 | 0.420 | 0.451 | 7.7 |
| Carbon Tetrachloride | 0.470 | 0.471 | 0.409 | 0.449 | 0.423 | 0.426 | 0.441 | 5.9 |
| cis-1,2-Dichloroethene | 0.882 | 0.810 | 0.694 | 0.764 | 0.714 | 0.720 | 0.764 | 9.3 |
| Bromochloromethane | 0.545 | 0.608 | 0.436 | 0.465 | 0.495 | 0.506 | 0.509 | 12 |
| Chloroform | 1.318 | 1.233 | 1.122 | 1.196 | 1.105 | 1.104 | 1.180 | 7.3 |
| 1,1,1-Trichloroethane | 1.095 | 1.083 | 0.953 | 1.026 | 0.949 | 0.949 | 1.009 | 6.8 |
| Methylcyclohexane | 0.611 | 0.579 | 0.513 | 0.549 | 0.524 | 0.531 | 0.551 | 6.8 |
| Benzene | 1.648 | 1.545 | 1.389 | 1.508 | 1.409 | 1.411 | 1.485 | 6.8 |
| 1,2-Dichloroethane | 0.526 | 0.496 | 0.448 | 0.482 | 0.444 | 0.446 | 0.474 | 7.1 |
| Trichloroethene | 0.390 | 0.357 | 0.334 | 0.352 | 0.338 | 0.341 | 0.352 | 5.8 |
| 1,2-Dichloropropane | 0.378 | 0.383 | 0.355 | 0.368 | 0.349 | 0.347 | 0.364 | 4.2 |
| Bromodichloromethane | 0.531 | 0.530 | 0.477 | 0.510 | 0.475 | 0.477 | 0.500 | 5.4 |
| 4-Methyl-2-Pentanone | 0.522 | 0.522 | 0.479 | 0.521 | 0.484 | 0.471 | 0.500 | 4.9 |
| Toluene | 1.003 | 0.963 | 0.865 | 0.941 | 0.892 | 0.895 | 0.927 | 5.6 |

* 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.

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Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

| COMPOUND | RRF001 | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.576 | 0.574 | 0.528 | 0.572 | 0.547 | 0.554 | 0.558 | 3.4 |
| cis-1,3-Dichloropropene | 0.679 | 0.636 | 0.580 | 0.621 | 0.577 | 0.587 | 0.613 | 6.5 |
| 1,1,2-Trichloroethane | 0.367 | 0.357 | 0.315 | 0.332 | 0.318 | 0.313 | 0.333 | 6.9 |
| 2-Hexanone | 0.394 | 0.387 | 0.355 | 0.383 | 0.355 | 0.349 | 0.371 | 5.3 |
| Dibromochloromethane | 0.377 | 0.381 | 0.354 | 0.375 | 0.353 | 0.356 | 0.366 | 3.5 |
| 1,2-Dibromoethane | 0.359 | 0.342 | 0.319 | 0.350 | 0.324 | 0.323 | 0.336 | 4.9 |
| Tetrachloroethene | 0.419 | 0.399 | 0.358 | 0.390 | 0.371 | 0.370 | 0.385 | 5.8 |
| Chlorobenzene | 1.235 | 1.175 | 1.058 | 1.117 | 1.050 | 1.059 | 1.116 | 6.8 |
| Ethyl Benzene | 2.210 | 2.112 | 1.873 | 2.028 | 1.918 | 1.941 | 2.014 | 6.4 |
| m/p-Xylenes | 0.809 | 0.795 | 0.705 | 0.757 | 0.727 | 0.734 | 0.754 | 5.4 |
| o-Xylene | 0.791 | 0.792 | 0.709 | 0.753 | 0.713 | 0.718 | 0.746 | 5.2 |
| Styrene | 1.306 | 1.288 | 1.156 | 1.245 | 1.218 | 1.246 | 1.243 | 4.3 |
| Bromoform | 0.306 | 0.294 | 0.258 | 0.279 | 0.261 | 0.264 | 0.277 | 7 |
| Isopropylbenzene | 4.666 | 4.271 | 3.991 | 4.181 | 3.728 | 3.706 | 4.090 | 8.9 |
| 1,1,2,2-Tetrachloroethane | 1.347 | 1.294 | 1.181 | 1.212 | 1.035 | 0.985 | 1.176 | 12.1 |
| 1,3-Dichlorobenzene | 1.866 | 1.822 | 1.618 | 1.698 | 1.610 | 1.608 | 1.704 | 6.7 |
| 1,4-Dichlorobenzene | 1.942 | 1.815 | 1.615 | 1.713 | 1.614 | 1.597 | 1.716 | 8 |
| 1,2-Dichlorobenzene | 1.819 | 1.820 | 1.565 | 1.646 | 1.559 | 1.502 | 1.652 | 8.4 |
| 1,2-Dibromo-3-Chloropropane | 0.234 | 0.274 | 0.229 | 0.251 | 0.222 | 0.213 | 0.237 | 9.2 |
| 1,2,4-Trichlorobenzene | 0.822 | 0.865 | 0.730 | 0.793 | 0.765 | 0.771 | 0.791 | 6 |
| 1,2,3-Trichlorobenzene | 0.819 | 0.810 | 0.697 | 0.749 | 0.708 | 0.709 | 0.749 | 7.2 |
| 1,2-Dichloroethane-d4 | | 0.746 | 0.745 | 0.707 | 0.719 | 0.708 | 0.725 | 2.6 |
| Dibromofluoromethane | | 0.267 | 0.255 | 0.230 | 0.215 | 0.194 | 0.232 | 12.8 |
| Toluene-d8 | | 1.247 | 1.281 | 1.185 | 1.251 | 1.237 | 1.240 | 2.8 |
| 4-Bromofluorobenzene | | 0.459 | 0.456 | 0.421 | 0.459 | 0.467 | 0.452 | 4 |

* 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.

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

| COMPOUND | RRF020 | RRF050 | RRF100 | RRF150 | RRF005 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.697 | 0.864 | 0.859 | 0.875 | 0.639 | 0.658 | 0.765 | 14.6 |
| Chloromethane | 0.727 | 0.775 | 0.787 | 0.791 | 0.679 | 0.694 | 0.742 | 6.6 |
| Vinyl Chloride | 0.660 | 0.710 | 0.727 | 0.755 | 0.619 | 0.673 | 0.691 | 7.2 |
| Bromomethane | 0.296 | 0.326 | 0.340 | 0.334 | 0.305 | | 0.320 | 5.8 |
| Chloroethane | 0.354 | 0.378 | 0.329 | 0.317 | 0.368 | 0.467 | 0.369 | 14.4 |
| Trichlorofluoromethane | 1.035 | 1.068 | 0.983 | 0.985 | 0.990 | 1.064 | 1.021 | 3.9 |
| 1,1,2-Trichlorotrifluoroethane | 0.628 | 0.641 | 0.629 | 0.648 | 0.610 | 0.633 | 0.632 | 2.1 |
| 1,1-Dichloroethene | 0.565 | 0.601 | 0.607 | 0.625 | 0.567 | 0.594 | 0.593 | 3.9 |
| Acetone | 0.361 | 0.362 | 0.361 | 0.370 | 0.408 | 0.380 | 0.374 | 4.9 |
| Carbon Disulfide | 1.295 | 1.455 | 1.522 | 1.597 | 1.141 | 1.423 | 1.406 | 11.7 |
| Methyl tert-butyl Ether | 2.044 | 2.160 | 2.172 | 2.239 | 1.908 | 1.949 | 2.079 | 6.4 |
| Methyl Acetate | 0.814 | 0.848 | 0.845 | 0.875 | 0.816 | 1.006 | 0.867 | 8.3 |
| Methylene Chloride | 0.689 | 0.684 | 0.691 | 0.691 | 0.689 | 0.853 | 0.716 | 9.4 |
| trans-1,2-Dichloroethene | 0.573 | 0.610 | 0.612 | 0.622 | 0.557 | 0.604 | 0.596 | 4.3 |
| 1,1-Dichloroethane | 1.233 | 1.263 | 1.263 | 1.286 | 1.154 | 1.116 | 1.219 | 5.6 |
| Cyclohexane | 1.090 | 1.128 | 1.128 | 1.150 | 1.059 | | 1.111 | 3.3 |
| 2-Butanone | 0.540 | 0.555 | 0.558 | 0.569 | 0.539 | 0.495 | 0.543 | 4.8 |
| Carbon Tetrachloride | 0.528 | 0.558 | 0.552 | 0.577 | 0.505 | 0.541 | 0.544 | 4.6 |
| cis-1,2-Dichloroethene | 0.716 | 0.737 | 0.738 | 0.755 | 0.642 | 0.719 | 0.718 | 5.5 |
| Bromochloromethane | 0.628 | 0.578 | 0.595 | 0.590 | 0.553 | 0.576 | 0.587 | 4.3 |
| Chloroform | 1.287 | 1.296 | 1.277 | 1.300 | 1.199 | 1.265 | 1.271 | 3 |
| 1,1,1-Trichloroethane | 1.106 | 1.131 | 1.155 | 1.188 | 1.013 | 1.015 | 1.101 | 6.6 |
| Methylcyclohexane | 0.596 | 0.641 | 0.627 | 0.658 | 0.587 | 0.627 | 0.623 | 4.3 |
| Benzene | 1.426 | 1.474 | 1.441 | 1.477 | 1.337 | 1.348 | 1.417 | 4.3 |
| 1,2-Dichloroethane | 0.632 | 0.627 | 0.611 | 0.625 | 0.594 | 0.579 | 0.612 | 3.5 |
| Trichloroethene | 0.344 | 0.355 | 0.345 | 0.362 | 0.315 | 0.324 | 0.341 | 5.3 |
| 1,2-Dichloropropane | 0.356 | 0.371 | 0.368 | 0.378 | 0.324 | 0.317 | 0.352 | 7.4 |
| Bromodichloromethane | 0.557 | 0.577 | 0.573 | 0.594 | 0.498 | 0.485 | 0.547 | 8.2 |
| 4-Methyl-2-Pentanone | 0.620 | 0.634 | 0.630 | 0.631 | 0.555 | 0.561 | 0.605 | 6 |
| Toluene | 0.884 | 0.898 | 0.885 | 0.904 | 0.838 | 0.803 | 0.869 | 4.5 |

* 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.

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

| COMPOUND | RRF020 | RRF050 | RRF100 | RRF150 | RRF005 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.468 | 0.528 | 0.555 | 0.591 | 0.406 | 0.371 | 0.487 | 17.9 |
| cis-1,3-Dichloropropene | 0.531 | 0.578 | 0.602 | 0.623 | 0.469 | 0.423 | 0.538 | 14.6 |
| 1,1,2-Trichloroethane | 0.349 | 0.354 | 0.351 | 0.356 | 0.337 | 0.308 | 0.343 | 5.3 |
| 2-Hexanone | 0.466 | 0.473 | 0.477 | 0.473 | 0.414 | 0.385 | 0.448 | 8.7 |
| Dibromochloromethane | 0.378 | 0.400 | 0.415 | 0.431 | 0.326 | 0.306 | 0.376 | 13.3 |
| 1,2-Dibromoethane | 0.359 | 0.373 | 0.368 | 0.381 | 0.333 | 0.322 | 0.356 | 6.5 |
| Tetrachloroethene | 0.390 | 0.375 | 0.345 | 0.344 | 0.323 | 0.347 | 0.354 | 6.8 |
| Chlorobenzene | 1.093 | 1.098 | 1.085 | 1.114 | 1.046 | 1.131 | 1.094 | 2.7 |
| Ethyl Benzene | 1.919 | 2.022 | 1.979 | 2.036 | 1.816 | 1.803 | 1.929 | 5.2 |
| m/p-Xylenes | 0.706 | 0.740 | 0.721 | 0.740 | 0.678 | 0.648 | 0.706 | 5.2 |
| o-Xylene | 0.688 | 0.727 | 0.706 | 0.726 | 0.639 | 0.642 | 0.688 | 5.7 |
| Styrene | 1.135 | 1.219 | 1.214 | 1.230 | 1.012 | 0.951 | 1.127 | 10.6 |
| Bromoform | 0.270 | 0.304 | 0.312 | 0.327 | 0.236 | 0.234 | 0.281 | 14.2 |
| Isopropylbenzene | 3.843 | 4.130 | 3.876 | 4.156 | 3.562 | 3.789 | 3.893 | 5.7 |
| 1,1,2,2-Tetrachloroethane | 1.315 | 1.338 | 1.284 | 1.345 | 1.350 | 1.552 | 1.364 | 7 |
| 1,3-Dichlorobenzene | 1.633 | 1.701 | 1.656 | 1.730 | 1.558 | 1.619 | 1.649 | 3.7 |
| 1,4-Dichlorobenzene | 1.629 | 1.693 | 1.639 | 1.722 | 1.606 | 1.817 | 1.684 | 4.6 |
| 1,2-Dichlorobenzene | 1.613 | 1.696 | 1.634 | 1.702 | 1.577 | 1.710 | 1.655 | 3.3 |
| 1,2-Dibromo-3-Chloropropane | 0.299 | 0.322 | 0.329 | 0.356 | 0.248 | 0.259 | 0.302 | 13.9 |
| 1,2,4-Trichlorobenzene | 0.861 | 0.981 | 1.035 | 1.123 | 0.842 | 0.862 | 0.951 | 12 |
| 1,2,3-Trichlorobenzene | 0.921 | 1.019 | 1.051 | 1.107 | 0.846 | 0.941 | 0.981 | 9.7 |
| 1,2-Dichloroethane-d4 | 0.953 | 0.910 | 0.930 | 0.932 | 0.935 | | 0.932 | 1.6 |
| Dibromofluoromethane | 0.359 | 0.355 | 0.364 | 0.368 | 0.354 | | 0.360 | 1.7 |
| Toluene-d8 | 1.246 | 1.223 | 1.266 | 1.275 | 1.221 | | 1.246 | 2 |
| 4-Bromofluorobenzene | 0.455 | 0.470 | 0.500 | 0.500 | 0.464 | | 0.478 | 4.4 |

* 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.

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.469 | 0.477 | 0.405 | 0.393 | 0.408 | 0.405 | 0.426 | 8.7 |
| Chloromethane | 0.704 | 0.670 | 0.636 | 0.602 | 0.529 | 0.498 | 0.607 | 13.2 |
| Vinyl Chloride | 0.829 | 0.830 | 0.758 | 0.730 | 0.680 | 0.647 | 0.745 | 10.1 |
| Bromomethane | 0.782 | 0.697 | 0.674 | 0.596 | 0.554 | 0.550 | 0.642 | 14.3 |
| Chloroethane | 0.589 | 0.550 | 0.524 | 0.494 | 0.460 | 0.429 | 0.508 | 11.6 |
| Trichlorofluoromethane | 1.048 | 1.075 | 0.987 | 0.960 | 0.921 | 0.907 | 0.983 | 6.9 |
| 1,1,2-Trichlorotrifluoroethane | 0.604 | 0.591 | 0.530 | 0.489 | 0.497 | 0.488 | 0.533 | 9.8 |
| 1,1-Dichloroethene | 0.525 | 0.532 | 0.483 | 0.471 | 0.487 | 0.484 | 0.497 | 5 |
| Acetone | 0.092 | 0.084 | 0.066 | 0.063 | 0.058 | 0.057 | 0.070 | 20.7 |
| Carbon Disulfide | 1.736 | 1.737 | 1.569 | 1.493 | 1.516 | 1.459 | 1.585 | 7.7 |
| Methyl tert-butyl Ether | 1.098 | 1.067 | 1.102 | 1.133 | 1.141 | 1.134 | 1.113 | 2.6 |
| Methyl Acetate | 0.214 | 0.200 | 0.231 | 0.223 | 0.208 | 0.219 | 0.216 | 5.2 |
| Methylene Chloride | 0.759 | 0.625 | 0.574 | 0.533 | 0.518 | 0.494 | 0.584 | 16.7 |
| trans-1,2-Dichloroethene | 0.619 | 0.578 | 0.533 | 0.532 | 0.546 | 0.532 | 0.557 | 6.3 |
| 1,1-Dichloroethane | 0.987 | 0.943 | 0.893 | 0.853 | 0.855 | 0.826 | 0.893 | 6.9 |
| Cyclohexane | 0.836 | 0.857 | 0.738 | 0.708 | 0.730 | 0.711 | 0.763 | 8.6 |
| 2-Butanone | 0.111 | 0.107 | 0.108 | 0.106 | 0.099 | 0.100 | 0.105 | 4.5 |
| Carbon Tetrachloride | 0.540 | 0.563 | 0.512 | 0.507 | 0.535 | 0.523 | 0.530 | 3.9 |
| cis-1,2-Dichloroethene | 0.626 | 0.638 | 0.604 | 0.612 | 0.633 | 0.621 | 0.622 | 2.1 |
| Bromochloromethane | 0.376 | 0.362 | 0.365 | 0.343 | 0.321 | 0.314 | 0.347 | 7.2 |
| Chloroform | 1.084 | 1.046 | 0.974 | 0.956 | 0.958 | 0.925 | 0.990 | 6.2 |
| 1,1,1-Trichloroethane | 0.972 | 0.944 | 0.896 | 0.853 | 0.865 | 0.846 | 0.896 | 5.8 |
| Methylcyclohexane | 0.525 | 0.569 | 0.519 | 0.549 | 0.600 | 0.589 | 0.558 | 6 |
| Benzene | 1.423 | 1.439 | 1.351 | 1.337 | 1.415 | 1.358 | 1.387 | 3.1 |
| 1,2-Dichloroethane | 0.347 | 0.367 | 0.350 | 0.335 | 0.336 | 0.325 | 0.343 | 4.3 |
| Trichloroethene | 0.402 | 0.405 | 0.369 | 0.367 | 0.387 | 0.375 | 0.384 | 4.3 |
| 1,2-Dichloropropane | 0.320 | 0.317 | 0.302 | 0.300 | 0.308 | 0.294 | 0.307 | 3.4 |
| Bromodichloromethane | 0.479 | 0.504 | 0.464 | 0.470 | 0.490 | 0.471 | 0.480 | 3.1 |
| 4-Methyl-2-Pentanone | 0.144 | 0.149 | 0.167 | 0.172 | 0.166 | 0.165 | 0.160 | 6.9 |
| Toluene | 0.838 | 0.915 | 0.875 | 0.894 | 0.952 | 0.913 | 0.898 | 4.4 |

* 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.

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.383 | 0.408 | 0.399 | 0.417 | 0.437 | 0.425 | 0.411 | 4.7 |
| cis-1,3-Dichloropropene | 0.466 | 0.488 | 0.483 | 0.484 | 0.514 | 0.500 | 0.489 | 3.3 |
| 1,1,2-Trichloroethane | 0.250 | 0.261 | 0.261 | 0.256 | 0.258 | 0.252 | 0.256 | 1.8 |
| 2-Hexanone | 0.093 | 0.096 | 0.109 | 0.115 | 0.111 | 0.111 | 0.106 | 8.5 |
| Dibromochloromethane | 0.345 | 0.355 | 0.354 | 0.352 | 0.367 | 0.357 | 0.355 | 2 |
| 1,2-Dibromoethane | 0.238 | 0.243 | 0.243 | 0.241 | 0.247 | 0.240 | 0.242 | 1.3 |
| Tetrachloroethene | 0.500 | 0.516 | 0.462 | 0.455 | 0.466 | 0.430 | 0.472 | 6.6 |
| Chlorobenzene | 1.188 | 1.152 | 1.055 | 1.083 | 1.139 | 1.092 | 1.118 | 4.5 |
| Ethyl Benzene | 1.693 | 1.840 | 1.718 | 1.835 | 1.990 | 1.898 | 1.829 | 6.1 |
| m/p-Xylenes | 0.664 | 0.720 | 0.699 | 0.734 | 0.797 | 0.754 | 0.728 | 6.3 |
| o-Xylene | 0.599 | 0.639 | 0.635 | 0.689 | 0.747 | 0.716 | 0.671 | 8.3 |
| Styrene | 0.950 | 1.080 | 1.078 | 1.169 | 1.272 | 1.209 | 1.126 | 10.2 |
| Bromoform | 0.234 | 0.221 | 0.224 | 0.229 | 0.236 | 0.229 | 0.229 | 2.5 |
| Isopropylbenzene | 3.061 | 3.316 | 3.102 | 3.325 | 3.639 | 3.599 | 3.341 | 7.2 |
| 1,1,2,2-Tetrachloroethane | 0.601 | 0.562 | 0.555 | 0.548 | 0.555 | 0.558 | 0.563 | 3.4 |
| 1,3-Dichlorobenzene | 1.730 | 1.784 | 1.595 | 1.647 | 1.789 | 1.742 | 1.714 | 4.5 |
| 1,4-Dichlorobenzene | 1.821 | 1.726 | 1.605 | 1.620 | 1.733 | 1.682 | 1.698 | 4.7 |
| 1,2-Dichlorobenzene | 1.523 | 1.522 | 1.434 | 1.452 | 1.537 | 1.505 | 1.495 | 2.8 |
| 1,2-Dibromo-3-Chloropropane | 0.097 | 0.091 | 0.094 | 0.084 | 0.085 | 0.087 | 0.090 | 5.9 |
| 1,2,4-Trichlorobenzene | 0.747 | 0.800 | 0.785 | 0.823 | 0.970 | 0.959 | 0.847 | 11.1 |
| 1,2,3-Trichlorobenzene | 0.671 | 0.673 | 0.684 | 0.707 | 0.829 | 0.825 | 0.731 | 10.2 |
| 1,2-Dichloroethane-d4 | 0.525 | 0.477 | 0.459 | 0.466 | 0.418 | 0.427 | 0.462 | 8.3 |
| Dibromofluoromethane | 0.335 | 0.341 | 0.330 | 0.330 | 0.319 | 0.327 | 0.330 | 2.3 |
| Toluene-d8 | 1.220 | 1.260 | 1.211 | 1.276 | 1.244 | 1.261 | 1.245 | 2 |
| 4-Bromofluorobenzene | 0.408 | 0.429 | 0.401 | 0.426 | 0.423 | 0.428 | 0.419 | 2.8 |

* 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.

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# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.593 | 0.536 | | -9.61 | 20 |
| Chloromethane | 0.861 | 0.805 | 0.1 | -6.5 | 20 |
| Vinyl Chloride | 0.822 | 0.759 | | -7.66 | 20 |
| Bromomethane | 0.370 | 0.461 | | 24.59 | 20 |
| Chloroethane | 0.550 | 0.523 | | -4.91 | 20 |
| Trichlorofluoromethane | 0.911 | 0.869 | | -4.61 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.551 | 0.537 | | -2.54 | 20 |
| 1,1-Dichloroethene | 0.588 | 0.557 | | -5.27 | 20 |
| Acetone | 0.290 | 0.278 | | -4.14 | 20 |
| Carbon Disulfide | 1.762 | 1.533 | | -13 | 20 |
| Methyl tert-butyl Ether | 2.163 | 2.360 | | 9.11 | 20 |
| Methyl Acetate | 0.870 | 0.830 | | -4.6 | 20 |
| Methylene Chloride | 0.670 | 0.729 | | 8.81 | 20 |
| trans-1,2-Dichloroethene | 0.615 | 0.632 | | 2.76 | 20 |
| 1,1-Dichloroethane | 1.201 | 1.259 | 0.1 | 4.83 | 20 |
| Cyclohexane | 1.175 | 0.999 | | -14.98 | 20 |
| 2-Butanone | 0.451 | 0.469 | | 3.99 | 20 |
| Carbon Tetrachloride | 0.441 | 0.442 | | 0.23 | 20 |
| cis-1,2-Dichloroethene | 0.764 | 0.829 | | 8.51 | 20 |
| Bromochloromethane | 0.509 | 0.533 | | 4.72 | 20 |
| Chloroform | 1.180 | 1.306 | | 10.68 | 20 |
| 1,1,1-Trichloroethane | 1.009 | 1.049 | | 3.96 | 20 |
| Methylcyclohexane | 0.551 | 0.492 | | -10.71 | 20 |
| Benzene | 1.485 | 1.541 | | 3.77 | 20 |
| 1,2-Dichloroethane | 0.474 | 0.533 | | 12.45 | 20 |
| Trichloroethene | 0.352 | 0.372 | | 5.68 | 20 |
| 1,2-Dichloropropane | 0.364 | 0.382 | | 4.95 | 20 |
| Bromodichloromethane | 0.500 | 0.559 | | 11.8 | 20 |
| 4-Methyl-2-Pentanone | 0.500 | 0.527 | | 5.4 | 20 |
| Toluene | 0.927 | 0.979 | | 5.61 | 20 |
| t-1,3-Dichloropropene | 0.558 | 0.627 | | 12.37 | 20 |
| cis-1,3-Dichloropropene | 0.613 | 0.648 | | 5.71 | 20 |
| 1,1,2-Trichloroethane | 0.333 | 0.382 | | 14.72 | 20 |
| 2-Hexanone | 0.371 | 0.388 | | 4.58 | 20 |
| Dibromochloromethane | 0.366 | 0.426 | | 16.39 | 20 |
| 1,2-Dibromoethane | 0.336 | 0.394 | | 17.26 | 20 |
| Tetrachloroethene | 0.385 | 0.386 | | 0.26 | 20 |
| Chlorobenzene | 1.116 | 1.173 | 0.3 | 5.11 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 2.014 | 1.999 | | -0.75 | 20 |
| m/p-Xylenes | 0.754 | 0.772 | | 2.39 | 20 |
| o-Xylene | 0.746 | 0.767 | | 2.82 | 20 |
| Styrene | 1.243 | 1.334 | | 7.32 | 20 |
| Bromoform | 0.277 | 0.312 | 0.1 | 12.64 | 20 |
| Isopropylbenzene | 4.090 | 3.762 | | -8.02 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.176 | 1.187 | 0.3 | 0.94 | 20 |
| 1,3-Dichlorobenzene | 1.704 | 1.787 | | 4.87 | 20 |
| 1,4-Dichlorobenzene | 1.716 | 1.810 | | 5.48 | 20 |
| 1,2-Dichlorobenzene | 1.652 | 1.755 | | 6.24 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.237 | 0.233 | | -1.69 | 20 |
| 1,2,4-Trichlorobenzene | 0.791 | 0.848 | | 7.21 | 20 |
| 1,2,3-Trichlorobenzene | 0.749 | 0.800 | | 6.81 | 20 |
| 1,2-Dichloroethane-d4 | 0.725 | 0.817 | | 12.69 | 20 |
| Dibromofluoromethane | 0.232 | 0.264 | | 13.79 | 20 |
| Toluene-d8 | 1.240 | 1.280 | | 3.23 | 20 |
| 4-Bromofluorobenzene | 0.452 | 0.478 | | 5.75 | 20 |

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

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# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.765 | 0.816 | | 6.67 | 20 |
| Chloromethane | 0.742 | 0.750 | 0.1 | 1.08 | 20 |
| Vinyl Chloride | 0.691 | 0.687 | | -0.58 | 20 |
| Bromomethane | 0.320 | 0.290 | | -9.38 | 20 |
| Chloroethane | 0.369 | 0.367 | | -0.54 | 20 |
| Trichlorofluoromethane | 1.021 | 1.048 | | 2.64 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.654 | | 3.48 | 20 |
| 1,1-Dichloroethene | 0.593 | 0.584 | | -1.52 | 20 |
| Acetone | 0.374 | 0.386 | | 3.21 | 20 |
| Carbon Disulfide | 1.406 | 1.299 | | -7.61 | 20 |
| Methyl tert-butyl Ether | 2.079 | 2.130 | | 2.45 | 20 |
| Methyl Acetate | 0.867 | 0.936 | | 7.96 | 20 |
| Methylene Chloride | 0.716 | 0.679 | | -5.17 | 20 |
| trans-1,2-Dichloroethene | 0.596 | 0.582 | | -2.35 | 20 |
| 1,1-Dichloroethane | 1.219 | 1.242 | 0.1 | 1.89 | 20 |
| Cyclohexane | 1.111 | 1.083 | | -2.52 | 20 |
| 2-Butanone | 0.543 | 0.560 | | 3.13 | 20 |
| Carbon Tetrachloride | 0.544 | 0.568 | | 4.41 | 20 |
| cis-1,2-Dichloroethene | 0.718 | 0.721 | | 0.42 | 20 |
| Bromochloromethane | 0.587 | 0.577 | | -1.7 | 20 |
| Chloroform | 1.271 | 1.302 | | 2.44 | 20 |
| 1,1,1-Trichloroethane | 1.101 | 1.122 | | 1.91 | 20 |
| Methylcyclohexane | 0.623 | 0.635 | | 1.93 | 20 |
| Benzene | 1.417 | 1.472 | | 3.88 | 20 |
| 1,2-Dichloroethane | 0.612 | 0.643 | | 5.07 | 20 |
| Trichloroethene | 0.341 | 0.354 | | 3.81 | 20 |
| 1,2-Dichloropropane | 0.352 | 0.381 | | 8.24 | 20 |
| Bromodichloromethane | 0.547 | 0.592 | | 8.23 | 20 |
| 4-Methyl-2-Pentanone | 0.605 | 0.652 | | 7.77 | 20 |
| Toluene | 0.869 | 0.907 | | 4.37 | 20 |
| t-1,3-Dichloropropene | 0.487 | 0.532 | | 9.24 | 20 |
| cis-1,3-Dichloropropene | 0.538 | 0.584 | | 8.55 | 20 |
| 1,1,2-Trichloroethane | 0.343 | 0.367 | | 7 | 20 |
| 2-Hexanone | 0.448 | 0.480 | | 7.14 | 20 |
| Dibromochloromethane | 0.376 | 0.419 | | 11.44 | 20 |
| 1,2-Dibromoethane | 0.356 | 0.377 | | 5.9 | 20 |
| Tetrachloroethene | 0.354 | 0.354 | | 0 | 20 |
| Chlorobenzene | 1.094 | 1.097 | 0.3 | 0.27 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.929 | 2.001 | | 3.73 | 20 |
| m/p-Xylenes | 0.706 | 0.735 | | 4.11 | 20 |
| o-Xylene | 0.688 | 0.718 | | 4.36 | 20 |
| Styrene | 1.127 | 1.238 | | 9.85 | 20 |
| Bromoform | 0.281 | 0.296 | 0.1 | 5.34 | 20 |
| Isopropylbenzene | 3.893 | 4.164 | | 6.96 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.364 | 1.331 | 0.3 | -2.42 | 20 |
| 1,3-Dichlorobenzene | 1.649 | 1.720 | | 4.31 | 20 |
| 1,4-Dichlorobenzene | 1.684 | 1.706 | | 1.31 | 20 |
| 1,2-Dichlorobenzene | 1.655 | 1.714 | | 3.57 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.302 | 0.315 | | 4.3 | 20 |
| 1,2,4-Trichlorobenzene | 0.951 | 1.023 | | 7.57 | 20 |
| 1,2,3-Trichlorobenzene | 0.981 | 1.053 | | 7.34 | 20 |
| 1,2-Dichloroethane-d4 | 0.932 | 0.914 | | -1.93 | 20 |
| Dibromofluoromethane | 0.360 | 0.380 | | 5.56 | 20 |
| Toluene-d8 | 1.246 | 1.293 | | 3.77 | 20 |
| 4-Bromofluorobenzene | 0.478 | 0.507 | | 6.07 | 20 |

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

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# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.426 | 0.374 | | -12.21 | 20 |
| Chloromethane | 0.607 | 0.536 | 0.1 | -11.7 | 20 |
| Vinyl Chloride | 0.745 | 0.684 | | -8.19 | 20 |
| Bromomethane | 0.642 | 0.532 | | -17.13 | 20 |
| Chloroethane | 0.508 | 0.446 | | -12.2 | 20 |
| Trichlorofluoromethane | 0.983 | 0.903 | | -8.14 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.533 | 0.505 | | -5.25 | 20 |
| 1,1-Dichloroethene | 0.497 | 0.473 | | -4.83 | 20 |
| Acetone | 0.070 | 0.062 | | -11.43 | 20 |
| Carbon Disulfide | 1.585 | 1.404 | | -11.42 | 20 |
| Methyl tert-butyl Ether | 1.113 | 1.109 | | -0.36 | 20 |
| Methyl Acetate | 0.216 | 0.234 | | 8.33 | 20 |
| Methylene Chloride | 0.584 | 0.533 | | -8.73 | 20 |
| trans-1,2-Dichloroethene | 0.557 | 0.529 | | -5.03 | 20 |
| 1,1-Dichloroethane | 0.893 | 0.855 | 0.1 | -4.26 | 20 |
| Cyclohexane | 0.763 | 0.717 | | -6.03 | 20 |
| 2-Butanone | 0.105 | 0.100 | | -4.76 | 20 |
| Carbon Tetrachloride | 0.530 | 0.540 | | 1.89 | 20 |
| cis-1,2-Dichloroethene | 0.622 | 0.610 | | -1.93 | 20 |
| Bromochloromethane | 0.347 | 0.331 | | -4.61 | 20 |
| Chloroform | 0.990 | 0.967 | | -2.32 | 20 |
| 1,1,1-Trichloroethane | 0.896 | 0.869 | | -3.01 | 20 |
| Methylcyclohexane | 0.558 | 0.572 | | 2.51 | 20 |
| Benzene | 1.387 | 1.389 | | 0.14 | 20 |
| 1,2-Dichloroethane | 0.343 | 0.354 | | 3.21 | 20 |
| Trichloroethene | 0.384 | 0.384 | | 0 | 20 |
| 1,2-Dichloropropane | 0.307 | 0.314 | | 2.28 | 20 |
| Bromodichloromethane | 0.480 | 0.492 | | 2.5 | 20 |
| 4-Methyl-2-Pentanone | 0.160 | 0.170 | | 6.25 | 20 |
| Toluene | 0.898 | 0.933 | | 3.9 | 20 |
| t-1,3-Dichloropropene | 0.411 | 0.427 | | 3.89 | 20 |
| cis-1,3-Dichloropropene | 0.489 | 0.505 | | 3.27 | 20 |
| 1,1,2-Trichloroethane | 0.256 | 0.265 | | 3.52 | 20 |
| 2-Hexanone | 0.106 | 0.113 | | 6.6 | 20 |
| Dibromochloromethane | 0.355 | 0.363 | | 2.25 | 20 |
| 1,2-Dibromoethane | 0.242 | 0.251 | | 3.72 | 20 |
| Tetrachloroethene | 0.472 | 0.493 | | 4.45 | 20 |
| Chlorobenzene | 1.118 | 1.132 | 0.3 | 1.25 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.829 | 1.898 | | 3.77 | 20 |
| m/p-Xylenes | 0.728 | 0.757 | | 3.98 | 20 |
| o-Xylene | 0.671 | 0.703 | | 4.77 | 20 |
| Styrene | 1.126 | 1.201 | | 6.66 | 20 |
| Bromoform | 0.229 | 0.228 | 0.1 | -0.44 | 20 |
| Isopropylbenzene | 3.341 | 3.491 | | 4.49 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.563 | 0.550 | 0.3 | -2.31 | 20 |
| 1,3-Dichlorobenzene | 1.714 | 1.696 | | -1.05 | 20 |
| 1,4-Dichlorobenzene | 1.698 | 1.681 | | -1 | 20 |
| 1,2-Dichlorobenzene | 1.495 | 1.505 | | 0.67 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.090 | 0.089 | | -1.11 | 20 |
| 1,2,4-Trichlorobenzene | 0.847 | 0.851 | | 0.47 | 20 |
| 1,2,3-Trichlorobenzene | 0.731 | 0.740 | | 1.23 | 20 |
| 1,2-Dichloroethane-d4 | 0.462 | 0.441 | | -4.55 | 20 |
| Dibromofluoromethane | 0.330 | 0.325 | | -1.51 | 20 |
| Toluene-d8 | 1.245 | 1.243 | | -0.16 | 20 |
| 4-Bromofluorobenzene | 0.419 | 0.427 | | 1.91 | 20 |

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