

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062325\  
 Data File : VD080467.D  
 Acq On : 23 Jun 2025 09:15  
 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025511

Quant Time: Jun 24 10:14:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jun 24 10:12:33 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 8.776  | 114  | 211979   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.582 | 117  | 196127   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.511 | 152  | 110671   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |        |
|-------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 68780    | 19.14    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 76.56% |
| 7) Chloroethane-d5            | 2.806  | 69    | 62914    | 20.51    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 82.04% |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 25132    | 20.73    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 82.92% |
| 21) 2-Butanone-d5             | 6.988  | 46    | 26118    | 43.83    | ug/L | 0.00   |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 87.66% |
| 24) Chloroform-d              | 7.564  | 84    | 130852   | 22.42    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 89.68% |
| 26) 1,2-Dichloroethane-d4     | 8.235  | 65    | 66132    | 22.16    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 88.64% |
| 32) Benzene-d6                | 8.200  | 84    | 256141   | 23.75    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 95.00% |
| 36) 1,2-Dichloropropane-d6    | 9.211  | 67    | 80182    | 22.66    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 90.64% |
| 41) Toluene-d8                | 10.270 | 98    | 243005   | 24.10    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 96.40% |
| 43) trans-1,3-Dichloroprop... | 10.523 | 79    | 35403    | 24.01    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 96.04% |
| 47) 2-Hexanone-d5             | 10.876 | 63    | 23714    | 44.13    | ug/L | 0.00   |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 88.26% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.646 | 84    | 70033    | 21.89    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 87.56% |
| 66) 1,2-Dichlorobenzene-d4    | 13.811 | 152   | 89001    | 22.18    | ug/L | 0.00   |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 88.72% |

## Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.935 | 85  | 74335  | 22.17 | ug/L   | 99     |
| 3) Chloromethane              | 2.147 | 50  | 70181  | 22.30 | ug/L   | 99     |
| 5) Vinyl chloride             | 2.288 | 62  | 89415  | 23.28 | ug/L   | 97     |
| 6) Bromomethane               | 2.700 | 94  | 61715  | 25.87 | ug/L   | 98     |
| 8) Chloroethane               | 2.841 | 64  | 60586  | 22.91 | ug/L   | 99     |
| 9) Trichlorofluoromethane     | 3.176 | 101 | 125691 | 23.84 | ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964 | 101 | 76307  | 23.32 | ug/L   | 94     |
| 12) 1,1-Dichloroethene        | 3.941 | 96  | 68031  | 25.60 | ug/L   | 92     |
| 13) Acetone                   | 4.017 | 43  | 30042  | 59.16 | ug/L   | 97     |
| 14) Carbon disulfide          | 4.276 | 76  | 217595 | 24.13 | ug/L   | 96     |
| 15) Methyl Acetate            | 4.570 | 43  | 28341  | 23.15 | ug/L   | 100    |
| 16) Methylene chloride        | 4.800 | 84  | 79721  | 24.27 | ug/L   | 98     |
| 17) trans-1,2-Dichloroethene  | 5.317 | 96  | 74081  | 26.62 | ug/L   | 95     |
| 18) Methyl tert-butyl Ether   | 5.317 | 73  | 136832 | 24.43 | ug/L # | 89     |
| 19) 1,1-Dichloroethane        | 6.111 | 63  | 130294 | 24.97 | ug/L   | 98     |
| 20) cis-1,2-Dichloroethene    | 7.082 | 96  | 79303  | 26.13 | ug/L   | 97     |
| 22) 2-Butanone                | 7.082 | 43  | 36703  | 49.79 | ug/L   | 97     |
| 23) Bromochloromethane        | 7.423 | 128 | 41772  | 25.61 | ug/L   | 97     |
| 25) Chloroform                | 7.594 | 83  | 148554 | 24.72 | ug/L   | 93     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062325\  
 Data File : VD080467.D  
 Acq On : 23 Jun 2025 09:15  
 Operator : RP/MD  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025511

Quant Time: Jun 24 10:14:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jun 24 10:12:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.323  | 62   | 81185    | 24.07 | ug/L   | 100      |
| 29) Cyclohexane               | 7.882  | 56   | 113401   | 27.85 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.794  | 97   | 123853   | 26.78 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.994  | 117  | 116495   | 26.25 | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 300165   | 27.90 | ug/L   | 100      |
| 34) Trichloroethene           | 9.029  | 95   | 82163    | 26.48 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.276  | 83   | 128232   | 27.96 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.299  | 63   | 80490    | 26.83 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.582  | 83   | 103116   | 26.14 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.017 | 75   | 118882   | 26.48 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.158 | 43   | 80701    | 52.48 | ug/L   | 99       |
| 42) Toluene                   | 10.335 | 91   | 344664   | 28.98 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 102532   | 26.98 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.729 | 97   | 63174    | 25.91 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.805 | 164  | 76753    | 27.66 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.917 | 43   | 58566    | 52.27 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.070 | 129  | 78314    | 26.29 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.176 | 107  | 62414    | 26.55 | ug/L   | 86       |
| 51) Chlorobenzene             | 11.605 | 112  | 217345   | 26.50 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.682 | 91   | 367172   | 28.47 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 144710   | 28.59 | ug/L   | 94       |
| 54) o-Xylene                  | 12.123 | 106  | 135664   | 28.44 | ug/L   | 94       |
| 55) Styrene                   | 12.135 | 104  | 250257   | 29.75 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 72976    | 24.51 | ug/L   | 94       |
| 59) Bromoform                 | 12.299 | 173  | 54063    | 24.91 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.423 | 105  | 368140   | 28.11 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.723 | 75   | 50699    | 24.43 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.905 | 105  | 287471   | 28.45 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.211 | 105  | 284952   | 28.56 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.458 | 146  | 184365   | 26.88 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.535 | 146  | 187392   | 26.25 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.829 | 146  | 163452   | 26.39 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.446 | 75   | 11039    | 22.70 | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.593 | 180  | 122291   | 25.80 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.093 | 180  | 98317    | 25.35 | ug/L   | 99       |
| 71) Naphthalene               | 15.329 | 128  | 169196   | 24.00 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 94006    | 25.85 | ug/L   | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062325\  
Data File : VD080467.D  
Acq On : 23 Jun 2025 09:15  
Operator : RP/MD  
Sample : VSTDCCC025  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD025511

Quant Time: Jun 24 10:14:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Jun 24 10:12:33 2025  
Response via : Initial Calibration

