

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV060625\  
 Data File : VV038758.D  
 Acq On : 06 Jun 2025 08:40  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005351

Quant Time: Jun 13 10:50:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 13 10:50:34 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 232396   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 251143   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.175 | 152   | 136939   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.288  | 65    | 138724   | 4.263    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.200%  |
| 7) Chloroethane-d5            | 1.542  | 69    | 103689   | 4.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.069  | 65    | 54799    | 4.159    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.200%  |
| 20) 2-Butanone-d5             | 3.789  | 46    | 205099   | 49.013   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.020%  |
| 24) Chloroform-d              | 4.249  | 84    | 228052   | 4.924    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 102036   | 4.835    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 4.957  | 84    | 407463   | 4.510    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 125499   | 4.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.400%  |
| 41) Toluene-d8                | 7.236  | 98    | 361819   | 4.594    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.800%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 47187    | 4.846    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.000%  |
| 46) 2-Hexanone-d5             | 8.014  | 63    | 166408   | 50.825   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.640% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84    | 97200    | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 112233   | 4.432    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.117  | 85    | 147063   | 4.736    | ug/L   | 99       |
| 3) Chloromethane              | 1.227  | 50    | 157504   | 4.400    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.294  | 62    | 160129   | 4.720    | ug/L   | 95       |
| 6) Bromomethane               | 1.497  | 94    | 77232    | 4.550    | ug/L   | 94       |
| 8) Chloroethane               | 1.558  | 64    | 97566    | 4.750    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.722  | 101   | 214861   | 4.859    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.079  | 101   | 126564   | 5.012    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.079  | 96    | 113695   | 4.791    | ug/L   | 92       |
| 13) Acetone                   | 2.121  | 43    | 152112   | 47.057   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.249  | 76    | 378357   | 4.691    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.388  | 43    | 43148    | 4.874    | ug/L   | 96       |
| 16) Methylene chloride        | 2.452  | 84    | 124240   | 4.657    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73    | 209901   | 4.847    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 111925   | 4.724    | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 233349   | 4.933    | ug/L   | 98       |
| 21) 2-Butanone                | 3.870  | 43    | 216790   | 46.704   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 115134   | 4.888    | ug/L   | 92       |
| 23) Bromochloromethane        | 4.150  | 128   | 53716    | 5.055    | ug/L   | 93       |
| 25) Chloroform                | 4.275  | 83    | 231861   | 4.928    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV060625\  
 Data File : VV038758.D  
 Acq On : 06 Jun 2025 08:40  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005351

Quant Time: Jun 13 10:50:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 13 10:50:34 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 133144   | 5.052  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.510  | 97   | 197304   | 4.679  | ug/L  | 98       |
| 30) Cyclohexane               | 4.584  | 56   | 175936   | 4.508  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 175935   | 4.731  | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 482775   | 4.888  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 117559   | 4.672  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.047  | 83   | 179021   | 4.500  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 129634   | 4.963  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 159386   | 4.683  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 164134   | 4.749  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.146  | 43   | 629575   | 52.856 | ug/L  | 96       |
| 42) Toluene                   | 7.307  | 91   | 510178   | 5.094  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 143817   | 4.941  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 87244    | 4.718  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.895  | 164  | 91598    | 4.707  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.063  | 43   | 452704   | 55.069 | ug/L  | 94       |
| 49) Dibromochloromethane      | 8.169  | 129  | 100804   | 4.916  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 80251    | 4.993  | ug/L  | 94       |
| 51) Chlorobenzene             | 8.805  | 112  | 309089   | 4.759  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 489316   | 4.782  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.063  | 106  | 189263   | 4.890  | ug/L  | 100      |
| 54) o-Xylene                  | 9.468  | 106  | 174316   | 4.757  | ug/L  | 99       |
| 55) Styrene                   | 9.487  | 104  | 331456   | 5.282  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 103491   | 4.886  | ug/L  | 98       |
| 59) Bromoform                 | 9.657  | 173  | 51941    | 4.844  | ug/L  | 96       |
| 60) Isopropylbenzene          | 9.857  | 105  | 478487   | 4.712  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 68126    | 4.682  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 348370   | 4.463  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.841 | 105  | 357843   | 4.582  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.107 | 146  | 235559   | 4.813  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.197 | 146  | 239802   | 4.668  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.567 | 146  | 212351   | 4.729  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 13884    | 4.467  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.570 | 180  | 141128   | 4.448  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.188 | 180  | 111988   | 4.487  | ug/L  | 97       |
| 71) Naphthalene               | 13.429 | 128  | 177616   | 4.409  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.667 | 180  | 104730   | 4.581  | ug/L  | 96       |

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

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD005351

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD005351

