

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061025\  
 Data File : VW031715.D  
 Acq On : 10 Jun 2025 10:31  
 Operator : SY/MD  
 Sample : VSTD10074  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD100474

Quant Time: Jun 26 07:41:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061025SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 25 07:47:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.849  | 114  | 367972   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 333087   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 160990   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.393  | 65   | 476826   | 103.465 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.924  | 69   | 385222   | 101.261 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.051  | 65   | 230549   | 95.264  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.100  | 46   | 362816   | 200.994 | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.667  | 84   | 1035714  | 97.101  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.319  | 65   | 595875   | 95.203  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.282  | 84   | 1986749  | 98.634  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.282  | 67   | 580980   | 97.264  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 1856878  | 99.904  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79   | 298314   | 103.070 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 304039   | 216.434 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 581392   | 97.541  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152  | 617635   | 100.061 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.040  | 85   | 457358   | 105.415 | ug/L   | 98       |
| 3) Chloromethane              | 2.253  | 50   | 452043   | 104.075 | ug/L   | 98       |
| 5) Vinyl chloride             | 2.399  | 62   | 542082   | 104.609 | ug/L   | 99       |
| 6) Bromomethane               | 2.820  | 94   | 378202   | 102.660 | ug/L   | 97       |
| 8) Chloroethane               | 2.966  | 64   | 344467   | 103.775 | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.302  | 101  | 537812   | 117.010 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.094  | 101  | 514027   | 104.390 | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.076  | 96   | 512124   | 104.117 | ug/L   | 89       |
| 13) Acetone                   | 4.155  | 43   | 236831   | 152.082 | ug/L   | 100      |
| 14) Carbon disulfide          | 4.417  | 76   | 1469050  | 108.006 | ug/L   | 100      |
| 15) Methyl Acetate            | 4.704  | 43   | 316663   | 102.511 | ug/L   | 99       |
| 16) Methylene chloride        | 4.948  | 84   | 497451   | 80.479  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.454  | 96   | 531403   | 104.036 | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.460  | 73   | 871333   | 104.474 | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.240  | 63   | 975219   | 102.808 | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.191  | 96   | 603939   | 106.257 | ug/L   | 99       |
| 22) 2-Butanone                | 7.191  | 43   | 418942   | 219.903 | ug/L   | 98       |
| 23) Bromochloromethane        | 7.533  | 128  | 261378   | 101.790 | ug/L   | 97       |
| 25) Chloroform                | 7.691  | 83   | 1041733  | 102.506 | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 8.410  | 62   | 748591   | 101.051 | ug/L   | 100      |
| 29) Cyclohexane               | 7.965  | 56   | 965738   | 109.743 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.886  | 97   | 812707   | 104.450 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.081  | 117  | 760221   | 106.288 | ug/L   | 98       |
| 33) Benzene                   | 8.337  | 78   | 2162089  | 103.404 | ug/L   | 100      |
| 34) Trichloroethene           | 9.099  | 95   | 611874   | 103.916 | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.337  | 83   | 1042900  | 109.113 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.374  | 63   | 542013   | 101.183 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 761369   | 105.962 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 979619   | 112.284 | ug/L   | 97       |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 25 07:47:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 40) 4-Methyl-2-pentanone      | 10.215 | 43   | 957793   | 221.000 | ug/L   | 98       |
| 42) Toluene                   | 10.392 | 91   | 2366035  | 105.043 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 866971   | 113.517 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 470552   | 104.053 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.867 | 164  | 429065   | 102.911 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.971 | 43   | 656937   | 219.398 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 515675   | 110.070 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 478027   | 106.909 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 1500418  | 104.200 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 2740029  | 106.653 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 1013584  | 106.450 | ug/L   | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 1012867  | 111.219 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 1672134  | 107.758 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 605068   | 104.657 | ug/L   | 99       |
| 59) Bromoform                 | 12.349 | 173  | 307409   | 108.774 | ug/L   | 96       |
| 60) Isopropylbenzene          | 12.459 | 105  | 2757842  | 110.010 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 455860   | 101.464 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 2256106  | 112.613 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 2265271  | 113.933 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 1142851  | 106.931 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 1146496  | 104.691 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 1058225  | 106.172 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 125849   | 110.185 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 791317   | 112.661 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 704856   | 114.528 | ug/L   | 93       |
| 71) Naphthalene               | 15.360 | 128  | 1811882  | 116.628 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 667066   | 115.359 | ug/L   | 95       |

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

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