

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011025\  
 Data File : VW031555.D  
 Acq On : 10 Jan 2025 10:09  
 Operator : SY/MD  
 Sample : VSTD00553  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD005453

Quant Time: Jan 11 03:11:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011025SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jan 11 03:10:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 622364   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 536950   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 251065   | 25.000 | ug/L   | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 54627    | 5.594  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 37955    | 5.442  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65   | 23489    | 5.385  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.112  | 46   | 15242m   | 9.808  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.655  | 84   | 83310    | 5.172  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.313  | 65   | 40028    | 5.049  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 171182   | 5.075  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 49991    | 5.020  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 152709   | 5.016  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 19113    | 4.674  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.928 | 63   | 9457     | 9.193  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 30204    | 4.960  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152  | 44121    | 5.010  | ug/L   | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      | Qvalue   |        |        |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85   | 41305    | 5.250  | ug/L   | 98       |
| 3) Chloromethane              | 2.223  | 50   | 43833    | 5.224  | ug/L   | 100      |
| 5) Vinyl chloride             | 2.369  | 62   | 55532    | 5.189  | ug/L   | 97       |
| 6) Bromomethane               | 2.802  | 94   | 32719    | 5.231  | ug/L   | 92       |
| 8) Chloroethane               | 2.936  | 64   | 32501    | 5.167  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.277  | 101  | 54816    | 5.156  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101  | 39734    | 4.883  | ug/L # | 85       |
| 12) 1,1-Dichloroethene        | 4.051  | 96   | 41935    | 5.064  | ug/L   | 88       |
| 13) Acetone                   | 4.180  | 43   | 14789m   | 12.787 | ug/L   |          |
| 14) Carbon disulfide          | 4.393  | 76   | 143132   | 5.131  | ug/L   | 100      |
| 15) Methyl Acetate            | 4.704  | 43   | 14605    | 4.800  | ug/L # | 78       |
| 16) Methylene chloride        | 4.923  | 84   | 44110    | 5.204  | ug/L   | 89       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96   | 44628    | 5.017  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73   | 72792    | 5.104  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63   | 83784    | 5.007  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 47614    | 5.014  | ug/L   | 98       |
| 22) 2-Butanone                | 7.209  | 43   | 22091m   | 11.002 | ug/L   |          |
| 23) Bromochloromethane        | 7.520  | 128  | 18676    | 5.021  | ug/L   | 91       |
| 25) Chloroform                | 7.679  | 83   | 81645    | 5.129  | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 49362    | 5.035  | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 87568    | 5.088  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 71004    | 5.094  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 61722    | 4.994  | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 187427   | 5.100  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 49410    | 5.001  | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 91329    | 5.156  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 46777    | 5.064  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 54991    | 4.922  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 70990    | 4.886  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 45216    | 9.807  | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 196356   | 5.111  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 56328    | 4.850  | ug/L   | 98       |

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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 29707    | 5.018 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 36548    | 5.155 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.971 | 43   | 26585    | 9.436 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.130 | 129  | 32061    | 4.922 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 27121    | 4.943 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.654 | 112  | 119882   | 5.054 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 222245   | 5.042 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 85161    | 5.067 | ug/L   | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 78024    | 4.996 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 130864   | 5.035 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 32268    | 4.960 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 16083    | 4.807 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 223059   | 5.086 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 22988    | 4.876 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 181630   | 5.029 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 176726   | 5.028 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 89410    | 5.140 | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 86920    | 5.052 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 76043    | 5.119 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 5031     | 4.773 | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 61518    | 5.219 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 47692    | 5.079 | ug/L   | 98       |
| 71) Naphthalene               | 15.354 | 128  | 86896    | 4.935 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 41359    | 5.230 | ug/L   | 97       |
| -----                         |        |      |          |       |        |          |

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

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