

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW053124\  
 Data File : VW028928.D  
 Acq On : 31 May 2024 08:39  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025485

Quant Time: Jun 01 00:25:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 29 23:53:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 264972   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 244609   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 131473   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 117282   | 23.309   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.240%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 93868    | 24.364   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.440%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 50557    | 24.049   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 96.200%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 57460    | 43.772   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.540%  |
| 24) Chloroform-d              | 7.648  | 84    | 231562   | 27.968   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 111.880% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 123064   | 25.962   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.840% |
| 32) Benzene-d6                | 8.276  | 84    | 439225   | 26.913   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 107.640% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 137702   | 28.040   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 112.160% |
| 41) Toluene-d8                | 10.325 | 98    | 399434   | 27.637   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 110.560% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 54183    | 27.426   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 109.720% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 40127    | 47.375   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 103927   | 25.237   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.960% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 128724   | 25.688   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 102.760% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 88313    | 22.935   | ug/L   | 94       |
| 3) Chloromethane              | 2.229  | 50    | 99610    | 20.881   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.375  | 62    | 126212   | 23.500   | ug/L   | 97       |
| 6) Bromomethane               | 2.796  | 94    | 73130    | 23.539   | ug/L   | 100      |
| 8) Chloroethane               | 2.942  | 64    | 79219    | 25.864   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 107695   | 24.425   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 111730   | 27.484   | ug/L # | 72       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 95622    | 26.221   | ug/L   | 90       |
| 13) Acetone                   | 4.119  | 43    | 56557    | 47.359   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.393  | 76    | 264480   | 21.459   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 44914    | 21.617   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 109124   | 26.629   | ug/L   | 89       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 100789   | 26.547   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 152958   | 27.300   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 212137   | 28.177   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 111966   | 28.179   | ug/L   | 94       |
| 22) 2-Butanone                | 7.167  | 43    | 63184    | 41.221   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 47954    | 27.668   | ug/L   | 96       |
| 25) Chloroform                | 7.673  | 83    | 211514   | 29.047   | ug/L   | 94       |

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 Quant Title : SFAM01.0  
 QLast Update : Wed May 29 23:53:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 141126   | 26.661 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 170122   | 24.392 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 175890   | 28.695 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 156033   | 27.919 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 450836   | 28.423 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 116377   | 27.365 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 191487   | 25.765 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 120589   | 29.176 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 147342   | 29.244 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 175706   | 29.660 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 131561   | 46.768 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 471892   | 28.804 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 142570   | 28.543 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 82674    | 27.612 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 85003    | 27.742 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 97853    | 49.272 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 89930    | 29.945 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 72516    | 25.855 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 297940   | 29.400 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 540780   | 29.168 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 206637   | 30.405 | ug/L  | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 191706   | 30.492 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 337229   | 31.655 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 97227    | 25.882 | ug/L  | 95       |
| 59) Bromoform                 | 12.349 | 173  | 49182    | 25.641 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 552977   | 27.723 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 70198    | 22.093 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 405026   | 28.700 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 441461   | 29.032 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 235741   | 28.410 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 234163   | 27.603 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 207310   | 27.914 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14385    | 19.364 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 167985   | 30.169 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 131898   | 29.317 | ug/L  | 97       |
| 71) Naphthalene               | 15.360 | 128  | 228394   | 23.827 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 111959   | 27.578 | ug/L  | 99       |

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

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