

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW030624\  
 Data File : VW028106.D  
 Acq On : 06 Mar 2024 09:00  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025504

Quant Time: Mar 07 00:13:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Mar 05 23:58:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 257996   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.623 | 117   | 235111   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 129440   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 77598    | 25.196   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 100.800% |          |
| 7) Chloroethane-d5            | 2.905  | 69    | 64828    | 27.173   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 108.680% |          |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 31953    | 25.400   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 101.600% |          |
| 21) 2-Butanone-d5             | 7.075  | 46    | 26003    | 59.188   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 118.380% |          |
| 24) Chloroform-d              | 7.648  | 84    | 149592   | 27.375   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 109.520% |          |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 71676    | 28.184   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 112.720% |          |
| 32) Benzene-d6                | 8.276  | 84    | 293241   | 26.718   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 106.880% |          |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 77264    | 27.246   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 109.000% |          |
| 41) Toluene-d8                | 10.319 | 98    | 281615   | 27.227   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 108.920% |          |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 35843    | 28.843   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 115.360% |          |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 25364    | 63.501   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 127.000% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 65128    | 29.100   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 116.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 95899    | 24.912   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 99.640%  |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 63420    | 24.061   | ug/L       | 96       |
| 3) Chloromethane              | 2.229  | 50    | 58752    | 23.443   | ug/L       | 97       |
| 5) Vinyl chloride             | 2.381  | 62    | 85000    | 24.338   | ug/L       | 98       |
| 6) Bromomethane               | 2.790  | 94    | 59624    | 21.399   | ug/L       | 99       |
| 8) Chloroethane               | 2.942  | 64    | 54876    | 25.019   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 69748    | 21.411   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 84111    | 24.836   | ug/L #     | 71       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 76624    | 23.891   | ug/L       | 90       |
| 13) Acetone                   | 4.119  | 43    | 33575    | 54.676   | ug/L       | 99       |
| 14) Carbon disulfide          | 4.393  | 76    | 230069   | 23.549   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.679  | 43    | 22490    | 25.912   | ug/L       | 98       |
| 16) Methylene chloride        | 4.923  | 84    | 81497    | 22.964   | ug/L       | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 80829    | 23.586   | ug/L       | 93       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 100303   | 23.899   | ug/L       | 100      |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 131828   | 24.329   | ug/L       | 100      |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 86309    | 23.931   | ug/L       | 95       |
| 22) 2-Butanone                | 7.167  | 43    | 35942    | 52.408   | ug/L       | 99       |
| 23) Bromochloromethane        | 7.508  | 128   | 39311    | 23.218   | ug/L       | 94       |
| 25) Chloroform                | 7.679  | 83    | 147178   | 24.318   | ug/L       | 99       |

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 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025504

Quant Time: Mar 07 00:13:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Mar 05 23:58:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 88618    | 24.624 | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 111929   | 24.757 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 126479   | 24.094 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 122878   | 25.067 | ug/L   | 97       |
| 33) Benzene                   | 8.319  | 78   | 316732   | 24.936 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 86736    | 23.306 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.337  | 83   | 150967   | 25.063 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 71588    | 24.202 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 104305   | 24.414 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 122308   | 25.145 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 62933    | 53.567 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 352557   | 24.565 | ug/L   | 90       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 100790   | 25.507 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 60834    | 24.523 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73919    | 23.699 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.965 | 43   | 53175    | 55.977 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 72379    | 25.098 | ug/L   | 84       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 59466    | 24.889 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 235607   | 24.603 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 402716   | 24.543 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 155325   | 24.398 | ug/L   | 93       |
| 54) o-Xylene                  | 12.160 | 106  | 147879   | 24.544 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 253990   | 24.718 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 65741    | 24.578 | ug/L   | 98       |
| 59) Bromoform                 | 12.343 | 173  | 41079    | 22.386 | ug/L # | 90       |
| 60) Isopropylbenzene          | 12.459 | 105  | 405620   | 22.842 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 46630    | 23.435 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.934 | 105  | 275094   | 23.628 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 320052   | 23.052 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 188789   | 23.004 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 187384   | 22.616 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 171017   | 23.133 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10247    | 24.519 | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 137795   | 22.752 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 108798   | 22.369 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 200257   | 25.174 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 96456    | 23.715 | ug/L   | 96       |

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

