

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040424\  
 Data File : VW028304.D  
 Acq On : 04 Apr 2024 09:42  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025537

Quant Time: Apr 05 00:57:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 04 03:01:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 215509   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 198348   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 106440   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 49733    | 19.723   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.880%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 43723    | 24.819   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 99.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 31839    | 19.912   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 79.640%  |
| 21) 2-Butanone-d5             | 7.087  | 46    | 41469    | 55.760   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.520% |
| 24) Chloroform-d              | 7.654  | 84    | 172072   | 27.077   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 108.320% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 85959    | 24.546   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.200%  |
| 32) Benzene-d6                | 8.276  | 84    | 316693   | 26.152   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 104.600% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 98243    | 28.191   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 112.760% |
| 41) Toluene-d8                | 10.325 | 98    | 278006   | 24.889   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.560%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 38742    | 24.477   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 97.920%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 32195    | 55.890   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.780% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 74354    | 28.883   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 115.520% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 100881   | 26.017   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 104.080% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 68262    | 21.835   | ug/L   | 92       |
| 3) Chloromethane              | 2.229  | 50    | 53976    | 24.343   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 68763    | 27.435   | ug/L   | 99       |
| 6) Bromomethane               | 2.796  | 94    | 40170    | 26.911   | ug/L   | 94       |
| 8) Chloroethane               | 2.942  | 64    | 39494    | 29.316   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.277  | 101   | 82221    | 27.132   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 82532    | 27.415   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 74669    | 26.831   | ug/L # | 75       |
| 13) Acetone                   | 4.137  | 43    | 35479    | 42.966   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.393  | 76    | 209140   | 24.095   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.679  | 43    | 30634    | 24.085   | ug/L   | 99       |
| 16) Methylene chloride        | 4.929  | 84    | 79792    | 24.327   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 78107    | 26.410   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 116211   | 26.044   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 160467   | 28.026   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 88526    | 27.715   | ug/L   | 99       |
| 22) 2-Butanone                | 7.173  | 43    | 43349    | 46.237   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.520  | 128   | 37633    | 26.650   | ug/L   | 100      |
| 25) Chloroform                | 7.679  | 83    | 159826   | 27.115   | ug/L   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025537

Quant Time: Apr 05 00:57:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 04 03:01:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 101541   | 24.394 | ug/L # | 94       |
| 29) Cyclohexane               | 7.959  | 56   | 137121   | 26.504 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 137378   | 26.422 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 126634   | 25.965 | ug/L   | 96       |
| 33) Benzene                   | 8.325  | 78   | 338679   | 27.748 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 91141    | 26.765 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 149098   | 25.904 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 89047    | 28.523 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 111737   | 26.547 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 136412   | 27.284 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 85321    | 49.512 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 371358   | 27.878 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 110322   | 26.136 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 59541    | 26.397 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73662    | 26.836 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 63659    | 47.159 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 67639    | 25.320 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 54536    | 25.286 | ug/L   | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 231003   | 27.321 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 426420   | 27.422 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 161090   | 27.529 | ug/L   | 94       |
| 54) o-Xylene                  | 12.166 | 106  | 150303   | 27.698 | ug/L   | 94       |
| 55) Styrene                   | 12.178 | 104  | 263066   | 28.223 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 67291    | 26.082 | ug/L   | 94       |
| 59) Bromoform                 | 12.343 | 173  | 37826    | 23.716 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 426072   | 26.942 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 47574    | 23.419 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 285172   | 26.875 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 349300   | 27.262 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 189115   | 26.805 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 182932   | 25.930 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 165727   | 27.277 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10335    | 21.658 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 133090   | 27.081 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 107496   | 25.748 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 179146   | 25.000 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 88357    | 25.672 | ug/L   | 98       |

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

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