

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW012623\  
 Data File : VW025235.D  
 Acq On : 26 Jan 2023 09:13  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025524

Quant Time: Jan 27 00:33:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jan 18 00:51:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 463460   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 405160   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 201540   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 109037   | 20.265   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 81.040%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 77783    | 22.943   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 91.760%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 271297   | 23.021   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 92.080%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 78818    | 57.799   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 115.600% |
| 24) Chloroform-d              | 7.647  | 84    | 309291   | 26.627   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 106.520% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 163252   | 27.284   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 109.120% |
| 32) Benzene-d6                | 8.275  | 84    | 612342   | 25.169   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 100.680% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 179892   | 25.277   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 101.120% |
| 41) Toluene-d8                | 10.323 | 98    | 563694   | 25.458   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 101.840% |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 80108    | 26.287   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 105.160% |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 62923    | 56.109   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 112.220% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 141918   | 28.514   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 114.040% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 172424   | 24.079   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 96.320%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 43480    | 16.540   | ug/L  | 99       |
| 3) Chloromethane              | 2.215  | 50    | 87925    | 18.975   | ug/L  | 99       |
| 5) Vinyl chloride             | 2.361  | 62    | 118020   | 19.969   | ug/L  | 98       |
| 6) Bromomethane               | 2.776  | 94    | 61119    | 19.701   | ug/L  | 100      |
| 8) Chloroethane               | 2.922  | 64    | 56527    | 20.520   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 94998    | 23.206   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 124408   | 20.881   | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 120751   | 21.015   | ug/L  | 87       |
| 13) Acetone                   | 4.117  | 43    | 81196    | 50.912   | ug/L  | 96       |
| 14) Carbon disulfide          | 4.379  | 76    | 387995   | 20.379   | ug/L  | 100      |
| 15) Methyl Acetate            | 4.666  | 43    | 49996    | 21.697   | ug/L  | 98       |
| 16) Methylene chloride        | 4.909  | 84    | 126492   | 17.646   | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 126927   | 20.623   | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 185858   | 21.545   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 225745   | 20.851   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 135186   | 21.134   | ug/L  | 97       |
| 22) 2-Butanone                | 7.165  | 43    | 88575    | 49.983   | ug/L  | 99       |
| 23) Bromochloromethane        | 7.519  | 128   | 57641    | 21.588   | ug/L  | 86       |
| 25) Chloroform                | 7.677  | 83    | 227394   | 21.362   | ug/L  | 97       |

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

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025524

Quant Time: Jan 27 00:33:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jan 18 00:51:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 149967   | 22.763 | ug/L   | 99       |
| 29) Cyclohexane               | 7.952  | 56   | 215459   | 20.175 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 203598   | 22.626 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 188768   | 23.035 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 521733   | 21.302 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 134955   | 21.128 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 244435   | 21.089 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 122344   | 20.314 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 167554   | 22.255 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 198094   | 21.562 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 139940   | 44.522 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 546814   | 21.226 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 171357   | 21.803 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 91805    | 21.975 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 98979    | 21.091 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.963 | 43   | 118171   | 49.022 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 109084   | 22.374 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 87763    | 22.207 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 346580   | 21.540 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.725 | 91   | 610080   | 21.251 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 238661   | 21.511 | ug/L   | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 221278   | 21.670 | ug/L   | 99       |
| 55) Styrene                   | 12.176 | 104  | 386780   | 22.289 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 107831   | 23.147 | ug/L   | 100      |
| 59) Bromoform                 | 12.347 | 173  | 56728    | 21.339 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 615954   | 20.283 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 79784    | 21.220 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 533032   | 20.702 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 526145   | 20.716 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 264008   | 21.269 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 251508   | 20.446 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 225719   | 21.070 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 19393    | 23.028 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 182804   | 20.671 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 149696   | 19.933 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 294265   | 19.994 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 127434   | 19.783 | ug/L   | 98       |

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

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