

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052824\  
 Data File : VW028821.D  
 Acq On : 28 May 2024 10:39  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025597

Quant Time: May 29 00:50:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon May 27 02:22:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 267870   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 253020   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 129201   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 117764   | 23.151   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.600%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 90630    | 23.269   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 49769    | 23.418   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.680%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 55329    | 41.692   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.380%  |
| 24) Chloroform-d              | 7.648  | 84    | 216039   | 25.811   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 103.240% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 118587   | 24.747   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.000%  |
| 32) Benzene-d6                | 8.276  | 84    | 431074   | 25.536   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.160% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 128390   | 25.275   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.080% |
| 41) Toluene-d8                | 10.319 | 98    | 386998   | 25.887   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 103.560% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 48769    | 23.865   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 95.480%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 37859    | 43.212   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 86.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 98700    | 23.171   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 92.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 117948   | 23.952   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 75530    | 19.403   | ug/L   | 95       |
| 3) Chloromethane              | 2.222  | 50    | 93478    | 19.384   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 121090   | 22.303   | ug/L   | 99       |
| 6) Bromomethane               | 2.796  | 94    | 68194    | 21.712   | ug/L   | 97       |
| 8) Chloroethane               | 2.936  | 64    | 73628    | 23.779   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 98272    | 22.047   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 101944   | 24.806   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 89327    | 24.230   | ug/L   | 87       |
| 13) Acetone                   | 4.118  | 43    | 49104    | 40.673   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 258408   | 20.740   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.673  | 43    | 45092    | 21.468   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 108205   | 26.119   | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 95281    | 24.825   | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 140911   | 24.878   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 196760   | 25.852   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 105849   | 26.351   | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43    | 62353    | 40.239   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 45823    | 26.152   | ug/L   | 93       |
| 25) Chloroform                | 7.679  | 83    | 197019   | 26.763   | ug/L   | 99       |

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025597

Quant Time: May 29 00:50:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon May 27 02:22:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 133289   | 24.908 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 159331   | 22.086 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 155171   | 24.473 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 141351   | 24.451 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 418811   | 25.526 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 110641   | 25.151 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 178687   | 23.244 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 111889   | 26.171 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 136575   | 26.206 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 161715   | 26.390 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 128804   | 44.266 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 444616   | 26.237 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 132919   | 25.726 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 77842    | 25.134 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 78671    | 24.822 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 93108    | 45.324 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 84175    | 27.097 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 69750    | 24.042 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 276332   | 26.362 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 514196   | 26.812 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 188068   | 26.753 | ug/L  | 93       |
| 54) o-Xylene                  | 12.166 | 106  | 175602   | 27.002 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 310649   | 28.191 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 93472    | 24.056 | ug/L  | 93       |
| 59) Bromoform                 | 12.349 | 173  | 46834    | 24.846 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 500330   | 25.525 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 67780    | 21.707 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 365366   | 26.345 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 386395   | 25.858 | ug/L  | 95       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 214184   | 26.266 | ug/L  | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 213178   | 25.571 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 183556   | 25.150 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 14651    | 20.068 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 137660   | 25.158 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 108303   | 24.496 | ug/L  | 97       |
| 71) Naphthalene               | 15.360 | 128  | 212334   | 22.541 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 100335   | 25.150 | ug/L  | 99       |

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

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