

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021924\  
 Data File : VW028039.D  
 Acq On : 19 Feb 2024 09:14  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025490

Quant Time: Feb 20 00:21:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Feb 18 23:52:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 279225   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 246576   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 129650   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 67880    | 20.756   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.040%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 60587    | 24.425   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.720%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 31386    | 22.429   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 89.720%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 29497    | 58.048   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 116.100% |
| 24) Chloroform-d              | 7.648  | 84    | 162246   | 24.850   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.400%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 75355    | 25.555   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.240% |
| 32) Benzene-d6                | 8.276  | 84    | 321278   | 24.353   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.400%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 87998    | 24.601   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 10.319 | 98    | 307632   | 24.371   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.480%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 37749    | 25.662   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.640% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 28571    | 58.723   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 117.440% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 73794    | 27.602   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.400% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 112048   | 25.427   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.720% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 57057    | 23.729   | ug/L   | 94       |
| 3) Chloromethane              | 2.223  | 50    | 52715    | 19.963   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 79965    | 22.342   | ug/L   | 100      |
| 6) Bromomethane               | 2.796  | 94    | 58281    | 23.045   | ug/L   | 95       |
| 8) Chloroethane               | 2.942  | 64    | 50300    | 24.873   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 76826    | 23.618   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 76549    | 23.347   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 73292    | 24.030   | ug/L # | 81       |
| 13) Acetone                   | 4.131  | 43    | 29795    | 60.300   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.393  | 76    | 193866   | 21.470   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.673  | 43    | 22095    | 26.860   | ug/L   | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 78913    | 22.611   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 78641    | 23.998   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 106665   | 27.457   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 132066   | 24.808   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 86314    | 24.944   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 32410    | 56.822   | ug/L   | 95       |
| 23) Bromochloromethane        | 7.514  | 128   | 40055    | 26.059   | ug/L   | 83       |
| 25) Chloroform                | 7.679  | 83    | 148399   | 25.931   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021924\  
 Data File : VW028039.D  
 Acq On : 19 Feb 2024 09:14  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025490

Quant Time: Feb 20 00:21:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Feb 18 23:52:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 86385    | 27.106 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 104811   | 23.848 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 126183   | 26.509 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 117883   | 26.770 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 307120   | 24.937 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 85678    | 24.234 | ug/L  | 91       |
| 35) Methylcyclohexane         | 9.331  | 83   | 141210   | 24.272 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 74007    | 25.573 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 105996   | 27.439 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 122875   | 26.490 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 63189    | 57.849 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 353466   | 25.598 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 102403   | 27.814 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 61376    | 26.794 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73189    | 24.603 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 49838    | 60.239 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 73055    | 27.974 | ug/L  | 88       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 56956    | 26.638 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 231685   | 25.227 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 403207   | 25.899 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 157429   | 25.784 | ug/L  | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 152629   | 26.654 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 255418   | 26.779 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 69103    | 28.171 | ug/L  | 99       |
| 59) Bromoform                 | 12.343 | 173  | 42568    | 27.817 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 424827   | 26.243 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 47451    | 27.424 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 350538   | 27.060 | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 342773   | 27.040 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 190547   | 25.623 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 192534   | 25.464 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 173501   | 26.415 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10045    | 29.241 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 139150   | 26.058 | ug/L  | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 119342   | 27.676 | ug/L  | 93       |
| 71) Naphthalene               | 15.360 | 128  | 189673   | 28.306 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 102222   | 28.413 | ug/L  | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021924\  
 Data File : VW028039.D  
 Acq On : 19 Feb 2024 09:14  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025490

Quant Time: Feb 20 00:21:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Feb 18 23:52:23 2024  
 Response via : Initial Calibration

