

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW041224\  
 Data File : VW028434.D  
 Acq On : 12 Apr 2024 16:27  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025549

Quant Time: Apr 12 23:16:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 12 23:09:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 328534   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 301949   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 145420   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 95983    | 18.224   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.880%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 79406    | 19.892   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 42769    | 19.175   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.720%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 56097    | 56.918   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.840% |
| 24) Chloroform-d              | 7.648  | 84    | 191852   | 22.379   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 111020   | 24.919   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.680%  |
| 32) Benzene-d6                | 8.270  | 84    | 361900   | 21.940   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 111481   | 22.737   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.960%  |
| 41) Toluene-d8                | 10.325 | 98    | 327667   | 21.845   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.400%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 46230    | 23.713   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.840%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 40158    | 59.128   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 118.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 91600    | 26.479   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 108475   | 23.587   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.360%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 82950    | 18.772   | ug/L   | 95       |
| 3) Chloromethane              | 2.229  | 50    | 104421   | 20.128   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.381  | 62    | 121043   | 19.592   | ug/L   | 97       |
| 6) Bromomethane               | 2.796  | 94    | 76074    | 19.708   | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64    | 75046    | 20.150   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.277  | 101   | 93073    | 18.884   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.088  | 101   | 90882    | 19.600   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 86799    | 19.936   | ug/L   | 88       |
| 13) Acetone                   | 4.119  | 43    | 49138    | 40.605   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.393  | 76    | 275823   | 19.242   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 49703    | 25.526   | ug/L   | 98       |
| 16) Methylene chloride        | 4.923  | 84    | 97605    | 19.634   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 94281    | 20.558   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 161596   | 25.049   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 191067   | 21.383   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 106253   | 21.829   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 65042    | 44.288   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.520  | 128   | 46174    | 22.023   | ug/L   | 97       |
| 25) Chloroform                | 7.679  | 83    | 193579   | 22.054   | ug/L   | 94       |

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 MSVOA\_W  
 ClientSampleId :  
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Quant Time: Apr 12 23:16:08 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 12 23:09:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 141335   | 23.329 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 163303   | 20.475 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 153675   | 20.985 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 131072   | 20.184 | ug/L  | 97       |
| 33) Benzene                   | 8.325  | 78   | 403249   | 21.360 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 106104   | 20.739 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 173642   | 19.889 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 108490   | 22.049 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 135773   | 22.262 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 165009   | 22.868 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 140739   | 57.137 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 432491   | 21.624 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 135815   | 23.267 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 78626    | 23.619 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 75992    | 19.885 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.965 | 43   | 98065    | 50.156 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 83640    | 23.507 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 72086    | 23.725 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 262074   | 21.081 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 489954   | 21.611 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 180762   | 21.440 | ug/L  | 92       |
| 54) o-Xylene                  | 12.160 | 106  | 171266   | 21.816 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 296507   | 22.192 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 92420    | 24.532 | ug/L  | 97       |
| 59) Bromoform                 | 12.349 | 173  | 46636    | 24.295 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 480673   | 22.048 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 69459    | 26.125 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 309418   | 22.268 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 391220   | 23.395 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 205429   | 22.208 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 204951   | 21.780 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 184179   | 22.635 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 15103    | 24.790 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 138608   | 21.775 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 114275   | 22.989 | ug/L  | 93       |
| 71) Naphthalene               | 15.360 | 128  | 246151   | 27.980 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 103807   | 23.534 | ug/L  | 98       |

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

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