

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061224\  
 Data File : VW029099.D  
 Acq On : 12 Jun 2024 09:15  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025501

Quant Time: Jun 13 00:44:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 12 00:20:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 308411   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 295148   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 150867   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 95891    | 19.572   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.280%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 78369    | 20.830   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.320%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 44459    | 20.645   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.600%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 55172    | 55.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.220% |
| 24) Chloroform-d              | 7.648  | 84    | 209220   | 23.779   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 109659   | 23.673   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.680%  |
| 32) Benzene-d6                | 8.276  | 84    | 395453   | 21.830   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.320%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 125902   | 22.922   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.680%  |
| 41) Toluene-d8                | 10.325 | 98    | 354362   | 21.921   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.680%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 47387    | 22.452   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 37738    | 52.065   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.140% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 94168    | 24.679   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 98.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 114732   | 21.431   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 85.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 75545    | 21.451   | ug/L   | 91       |
| 3) Chloromethane              | 2.222  | 50    | 99699    | 23.172   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 125204   | 24.040   | ug/L   | 98       |
| 6) Bromomethane               | 2.789  | 94    | 75007    | 24.037   | ug/L   | 97       |
| 8) Chloroethane               | 2.936  | 64    | 78289    | 24.891   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 116258   | 26.854   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 110505   | 25.869   | ug/L # | 71       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 105102   | 26.960   | ug/L   | 85       |
| 13) Acetone                   | 4.118  | 43    | 72515    | 69.124   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.393  | 76    | 334842   | 25.370   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.673  | 43    | 51359    | 29.477   | ug/L   | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 122153   | 26.390   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 113952   | 26.810   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 166953   | 28.168   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 230104   | 27.536   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 123790   | 27.780   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 82066    | 64.920   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 52654    | 27.070   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 225988   | 27.844   | ug/L   | 97       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025501

Quant Time: Jun 13 00:44:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 12 00:20:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 151165   | 27.793 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 201403   | 27.445 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 178360   | 26.081 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 162043   | 26.014 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 495142   | 26.980 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 128699   | 26.674 | ug/L   | 99       |
| 35) Methylcyclohexane         | 9.337  | 83   | 224582   | 27.439 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 132278   | 27.524 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 156209   | 26.651 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 190795   | 27.318 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 146494   | 59.929 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 521749   | 27.830 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 156151   | 27.732 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 87628    | 26.998 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 96649    | 26.366 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 115213   | 62.864 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 95428    | 27.836 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 81114    | 27.376 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 321871   | 26.726 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.727 | 91   | 594825   | 27.924 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 217614   | 27.581 | ug/L   | 87       |
| 54) o-Xylene                  | 12.160 | 106  | 206406   | 28.253 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 357285   | 28.367 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 102789   | 28.053 | ug/L   | 96       |
| 59) Bromoform                 | 12.349 | 173  | 52718    | 27.175 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.458 | 105  | 582112   | 27.264 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 76394    | 26.845 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 436350   | 28.099 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 464420   | 28.298 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 241148   | 26.282 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 235388   | 24.563 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 218880   | 26.616 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 15525    | 25.595 | ug/L # | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 170615   | 27.082 | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 131713   | 25.796 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 241884   | 27.804 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 120006   | 27.509 | ug/L   | 95       |

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

