

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051123\  
 Data File : VW025941.D  
 Acq On : 11 May 2023 08:25  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025485

Quant Time: May 12 05:36:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 05 23:47:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 606537     | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 527908     | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 259859     | 25.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.363          | 65   | 194094     | 22.582  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 90.320% |        |          |
| 7) Chloroethane-d5            | 2.893          | 69   | 131586     | 20.650  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 82.600% |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.021          | 65   | 93669      | 21.764  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 87.040% |        |          |
| 21) 2-Butanone-d5             | 7.075          | 46   | 110613     | 38.929  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 77.860% |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 404840     | 23.148  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 92.600% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.301          | 65   | 212756     | 21.512  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 86.040% |        |          |
| 32) Benzene-d6                | 8.270          | 84   | 799347     | 23.173  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 92.680% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 253092     | 22.932  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 91.720% |        |          |
| 41) Toluene-d8                | 10.319         | 98   | 708800     | 23.043  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 92.160% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 94842      | 21.200  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 84.800% |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 76325      | 40.556  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 81.120% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 185787     | 22.086  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 88.360% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849         | 152  | 209425     | 22.108  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 88.440% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015          | 85   | 173363     | 25.584  | ug/L   | 97       |
| 3) Chloromethane              | 2.223          | 50   | 264619     | 26.485  | ug/L   | 100      |
| 5) Vinyl chloride             | 2.369          | 62   | 276432     | 26.730  | ug/L   | 99       |
| 6) Bromomethane               | 2.790          | 94   | 134785     | 23.963  | ug/L   | 92       |
| 8) Chloroethane               | 2.930          | 64   | 136496     | 23.212  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265          | 101  | 193931     | 24.848  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070          | 101  | 225380     | 26.553  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045          | 96   | 210513     | 25.951  | ug/L   | 87       |
| 13) Acetone                   | 4.119          | 43   | 114129     | 45.298  | ug/L   | 100      |
| 14) Carbon disulfide          | 4.387          | 76   | 675048     | 24.608  | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667          | 43   | 104935     | 21.135  | ug/L   | 96       |
| 16) Methylene chloride        | 4.911          | 84   | 233709     | 18.684  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.423          | 96   | 221892     | 25.074  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423          | 73   | 298928     | 22.256  | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.210          | 63   | 468477     | 25.767  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.167          | 96   | 234110     | 24.659  | ug/L   | 98       |
| 22) 2-Butanone                | 7.167          | 43   | 145852     | 41.924  | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514          | 128  | 97107      | 24.144  | ug/L   | 96       |
| 25) Chloroform                | 7.673          | 83   | 430588     | 25.767  | ug/L   | 99       |

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Quant Time: May 12 05:36:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 05 23:47:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 286754   | 24.163 | ug/L  | 99       |
| 29) Cyclohexane               | 7.953  | 56   | 436465   | 26.680 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 345781   | 26.783 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 311469   | 26.808 | ug/L  | 99       |
| 33) Benzene                   | 8.319  | 78   | 969981   | 26.558 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 246093   | 26.258 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.331  | 83   | 445161   | 26.706 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 261737   | 26.157 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 295104   | 25.706 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 373961   | 25.484 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 292140   | 44.853 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 996038   | 26.690 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 302244   | 24.857 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 163623   | 24.444 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 169240   | 25.668 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 207797   | 44.534 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 172694   | 24.920 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 147480   | 23.900 | ug/L  | 93       |
| 51) Chlorobenzene             | 11.654 | 112  | 597393   | 25.840 | ug/L  | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 1130086  | 26.920 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 412824   | 26.720 | ug/L  | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 390622   | 26.823 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 682969   | 27.401 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83   | 195933   | 23.459 | ug/L  | 99       |
| 59) Bromoform                 | 12.343 | 173  | 93344    | 24.251 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 1108831  | 28.072 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 143524   | 23.370 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 885881   | 28.316 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 809858   | 28.052 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 456002   | 26.817 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 450410   | 26.219 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 404749   | 26.691 | ug/L  | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 31124    | 21.855 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 299042   | 26.494 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 242297   | 25.624 | ug/L  | 100      |
| 71) Naphthalene               | 15.360 | 128  | 421100   | 23.594 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 206073   | 24.561 | ug/L  | 97       |

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

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