

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
 Data File : VW031414.D  
 Acq On : 20 Dec 2024 09:08  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025600

Quant Time: Dec 20 21:55:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 03:08:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 552072   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 461500   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 242742   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 184134   | 22.167   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.680%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 154957   | 25.218   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 100.880% |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 81569    | 20.702   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 82.800%  |
| 21) 2-Butanone-d5             | 7.100  | 46    | 86182    | 55.092   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.180% |
| 24) Chloroform-d              | 7.648  | 84    | 352355   | 23.294   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 186921   | 24.606   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.440%  |
| 32) Benzene-d6                | 8.270  | 84    | 687388   | 23.239   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 202783   | 23.522   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.080%  |
| 41) Toluene-d8                | 10.319 | 98    | 628951   | 22.856   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 86121    | 21.666   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 86.680%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 65036    | 56.097   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.200% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.684 | 84    | 159005   | 29.376   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 117.520% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 203684   | 22.602   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 90.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 107873   | 21.620   | ug/L   | 95       |
| 3) Chloromethane              | 2.229  | 50    | 167546   | 29.891   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.375  | 62    | 202565   | 26.077   | ug/L   | 96       |
| 6) Bromomethane               | 2.789  | 94    | 133843   | 28.026   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 129414   | 28.014   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 259413   | 31.348   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 171092   | 25.604   | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 4.033  | 96    | 167115   | 24.692   | ug/L   | 97       |
| 13) Acetone                   | 4.173  | 43    | 118593   | 54.436   | ug/L   | # 100    |
| 14) Carbon disulfide          | 4.381  | 76    | 452771   | 20.513   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.692  | 43    | 67066    | 27.104   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 169518   | 24.404   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 178372   | 24.450   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 308271   | 25.276   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 334943   | 24.569   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 197523   | 25.025   | ug/L   | 98       |
| 22) 2-Butanone                | 7.191  | 43    | 134991   | 51.139   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.508  | 128   | 80502    | 25.573   | ug/L   | 93       |
| 25) Chloroform                | 7.673  | 83    | 346957   | 25.787   | ug/L   | 100      |

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 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025600

Quant Time: Dec 20 21:55:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 03:08:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 222910   | 26.353 | ug/L  | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 302519   | 24.171 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 290850   | 24.383 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 258980   | 24.370 | ug/L  | 99       |
| 33) Benzene                   | 8.319  | 78   | 735033   | 25.773 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 197669   | 24.550 | ug/L  | 91       |
| 35) Methylcyclohexane         | 9.331  | 83   | 346738   | 24.728 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 181871   | 25.563 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 231267   | 25.004 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 294590   | 24.503 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 206411   | 54.684 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 792260   | 25.515 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.599 | 75   | 240885   | 24.538 | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 133578   | 28.227 | ug/L  | 91       |
| 46) Tetrachloroethene         | 10.861 | 164  | 154450   | 26.188 | ug/L  | 83       |
| 48) 2-Hexanone                | 10.965 | 43   | 187223   | 58.319 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 142105   | 25.333 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 128535   | 28.672 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 512876   | 26.344 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 916217   | 25.460 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 351454   | 25.654 | ug/L  | 92       |
| 54) o-Xylene                  | 12.160 | 106  | 327962   | 25.401 | ug/L  | 92       |
| 55) Styrene                   | 12.178 | 104  | 564782   | 26.298 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 156827   | 30.742 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 76372    | 22.396 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 937265   | 23.594 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 114784   | 27.634 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.934 | 105  | 784216   | 23.285 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 763114   | 23.444 | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 391853   | 24.347 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 390870   | 24.511 | ug/L  | 87       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 349250   | 25.185 | ug/L  | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 24979    | 23.697 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 268145   | 23.789 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 213692   | 22.790 | ug/L  | 96       |
| 71) Naphthalene               | 15.354 | 128  | 449268   | 27.330 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 195520   | 25.881 | ug/L  | 99       |

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

