

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031224\  
 Data File : VW028158.D  
 Acq On : 12 Mar 2024 15:36  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

Quant Time: Mar 13 01:11:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Mar 13 01:09:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 264606   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 257037   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 138418   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 64584    | 20.447   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.800%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 47036    | 19.223   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 26385    | 20.450   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.800%  |
| 21) 2-Butanone-d5             | 7.069  | 46    | 26810    | 59.501   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 119.000% |
| 24) Chloroform-d              | 7.648  | 84    | 130149   | 23.222   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 64505    | 24.731   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.920%  |
| 32) Benzene-d6                | 8.270  | 84    | 250881   | 20.908   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 83.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 67290    | 21.705   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.840%  |
| 41) Toluene-d8                | 10.319 | 98    | 239168   | 21.150   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 84.600%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 32007    | 23.559   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.240%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 25447    | 58.274   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 116.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 65569    | 26.798   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 107.200% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 86984    | 21.130   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.520%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 59446    | 21.990   | ug/L   | 95       |
| 3) Chloromethane              | 2.223  | 50    | 56979    | 22.168   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.375  | 62    | 82271    | 22.968   | ug/L   | 98       |
| 6) Bromomethane               | 2.789  | 94    | 56236    | 19.679   | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64    | 45153    | 20.072   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 72233    | 21.620   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 76404    | 21.997   | ug/L # | 86       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 71447    | 21.721   | ug/L   | 89       |
| 13) Acetone                   | 4.119  | 43    | 35709    | 56.698   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.393  | 76    | 207942   | 20.753   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667  | 43    | 24085    | 27.056   | ug/L   | 96       |
| 16) Methylene chloride        | 4.917  | 84    | 80539    | 22.127   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 77010    | 21.911   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 104011   | 24.164   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 125151   | 22.519   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 83968    | 22.701   | ug/L   | 97       |
| 22) 2-Butanone                | 7.161  | 43    | 37900    | 53.882   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 40525    | 23.337   | ug/L   | 95       |
| 25) Chloroform                | 7.673  | 83    | 142353   | 22.933   | ug/L   | 98       |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Mar 13 01:09:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 90013    | 24.387 | ug/L   | 100      |
| 29) Cyclohexane               | 7.953  | 56   | 102351   | 20.707 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 122653   | 21.372 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 117992   | 22.017 | ug/L   | 98       |
| 33) Benzene                   | 8.319  | 78   | 298298   | 21.482 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 86765    | 21.325 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 141367   | 21.468 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.361  | 63   | 70440    | 21.783 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 103511   | 22.161 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 118039   | 22.197 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 68733    | 53.514 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 343702   | 21.905 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 102190   | 23.655 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 63521    | 23.422 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 73665    | 21.603 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.965 | 43   | 53875    | 51.876 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 74044    | 23.486 | ug/L   | 87       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 60744    | 23.255 | ug/L   | 92       |
| 51) Chlorobenzene             | 11.654 | 112  | 224981   | 21.489 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.727 | 91   | 388145   | 21.637 | ug/L   | 94       |
| 53) m,p-Xylene                | 11.831 | 106  | 148618   | 21.353 | ug/L   | 98       |
| 54) o-Xylene                  | 12.160 | 106  | 140204   | 21.285 | ug/L   | 85       |
| 55) Styrene                   | 12.178 | 104  | 248248   | 22.098 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 71514    | 24.455 | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 43838    | 22.340 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 406154   | 21.388 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 50666    | 23.812 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.934 | 105  | 262347   | 21.072 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 313687   | 21.128 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 188665   | 21.497 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 189520   | 21.390 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 163620   | 20.697 | ug/L   | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 11072    | 24.775 | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 131950   | 20.374 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 105490   | 20.282 | ug/L   | 96       |
| 71) Naphthalene               | 15.354 | 128  | 210822   | 24.783 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 95831    | 22.033 | ug/L   | 98       |

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

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