

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062023\  
 Data File : VW026258.D  
 Acq On : 20 Jun 2023 09:34  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025525

Quant Time: Jun 21 01:06:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 23:58:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 703327   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 637826   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.555 | 152   | 325101   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 184125   | 18.609   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.440%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 173555   | 23.432   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.720%  |
| 11) 1,1-Dichloroethene-d2     | 4.014  | 65    | 96166    | 19.711   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.840%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 164216   | 57.008   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 114.020% |
| 24) Chloroform-d              | 7.648  | 84    | 480168   | 23.314   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.300  | 65    | 264806   | 23.513   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.040%  |
| 32) Benzene-d6                | 8.276  | 84    | 916536   | 21.355   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 85.440%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 307316   | 22.602   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 10.318 | 98    | 790702   | 20.774   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 83.080%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 109523   | 20.327   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 81.320%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 114222   | 53.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.560% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 254783   | 25.750   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 262090   | 21.062   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.240%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 167542   | 19.432   | ug/L   | 97       |
| 3) Chloromethane              | 2.222  | 50    | 228613   | 20.679   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.375  | 62    | 258628   | 21.886   | ug/L   | 97       |
| 6) Bromomethane               | 2.789  | 94    | 141962   | 22.037   | ug/L   | 99       |
| 8) Chloroethane               | 2.929  | 64    | 156080   | 24.442   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 176143   | 23.169   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.075  | 101   | 211705   | 22.069   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 193553   | 21.614   | ug/L # | 75       |
| 13) Acetone                   | 4.118  | 43    | 115479   | 51.809   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.386  | 76    | 597697   | 18.907   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 119144   | 23.817   | ug/L   | 97       |
| 16) Methylene chloride        | 4.917  | 84    | 217649   | 19.389   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 208595   | 20.762   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 336777   | 21.268   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.209  | 63    | 451912   | 22.094   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.166  | 96    | 235021   | 22.084   | ug/L   | 98       |
| 22) 2-Butanone                | 7.166  | 43    | 158721   | 49.920   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 96048    | 21.162   | ug/L   | 93       |
| 25) Chloroform                | 7.672  | 83    | 416674   | 21.871   | ug/L   | 98       |

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

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025525

Quant Time: Jun 21 01:06:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 23:58:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 291652   | 22.197 | ug/L  | 97       |
| 29) Cyclohexane               | 7.953  | 56   | 393301   | 19.973 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.867  | 97   | 332910   | 21.508 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 298867   | 21.159 | ug/L  | 100      |
| 33) Benzene                   | 8.319  | 78   | 941560   | 21.549 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 231483   | 20.690 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 407358   | 20.576 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 260836   | 22.040 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 295338   | 21.480 | ug/L  | 94       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 380030   | 21.852 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.208 | 43   | 327174   | 46.892 | ug/L  | 99       |
| 42) Toluene                   | 10.385 | 91   | 971083   | 21.729 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 314321   | 21.694 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 169788   | 21.769 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 161134   | 20.362 | ug/L  | 91       |
| 48) 2-Hexanone                | 10.964 | 43   | 231932   | 47.144 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 178050   | 21.773 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 155553   | 21.539 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.653 | 112  | 594449   | 21.227 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1085197  | 21.526 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 403973   | 21.540 | ug/L  | 98       |
| 54) o-Xylene                  | 12.165 | 106  | 379894   | 21.462 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 669060   | 22.032 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 212698   | 22.533 | ug/L  | 95       |
| 59) Bromoform                 | 12.348 | 173  | 99931    | 20.465 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1064234  | 20.838 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 154950   | 21.278 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 839356   | 20.674 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 789104   | 21.221 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.494 | 146  | 436904   | 20.346 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 447392   | 20.694 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 399752   | 20.731 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 33289    | 19.731 | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 292705   | 19.843 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 234542   | 19.270 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 444719   | 20.500 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 209265   | 19.673 | ug/L  | 99       |

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

