

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061022\  
 Data File : VW023463.D  
 Acq On : 10 Jun 2022 21:54  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025569

Quant Time: Jun 11 00:12:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 11 00:06:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 329606   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 328289   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 178494   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 129619   | 24.753   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 99.000%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 93138    | 24.196   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.800%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 158922   | 21.743   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.960%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 51328    | 48.008   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.020%  |
| 24) Chloroform-d              | 7.647  | 84    | 212445   | 23.414   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 117103   | 23.964   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.840%  |
| 32) Benzene-d6                | 8.275  | 84    | 395070   | 22.696   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 121712   | 23.733   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.920%  |
| 41) Toluene-d8                | 10.323 | 98    | 392289   | 23.073   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 92.280%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 52798    | 22.557   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.240%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 45014    | 54.931   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 116013   | 24.221   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 96.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 147169   | 22.840   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.360%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 42575    | 35.425   | ug/L   | 96       |
| 3) Chloromethane              | 2.215  | 50    | 112671   | 28.341   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.361  | 62    | 165976   | 26.788   | ug/L   | 98       |
| 6) Bromomethane               | 2.776  | 94    | 77212    | 22.018   | ug/L   | 92       |
| 8) Chloroethane               | 2.916  | 64    | 79439    | 24.202   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 57433    | 20.553   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 97778    | 24.270   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 82564    | 23.005   | ug/L   | 92       |
| 13) Acetone                   | 4.123  | 43    | 33330    | 43.270   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.385  | 76    | 248978   | 22.552   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 40584    | 23.599   | ug/L   | 96       |
| 16) Methylene chloride        | 4.909  | 84    | 102638   | 23.009   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 98937    | 23.283   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 158867   | 24.840   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 183020   | 24.046   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 110068   | 23.686   | ug/L # | 99       |
| 22) 2-Butanone                | 7.171  | 43    | 57944    | 49.146   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.513  | 128   | 51144    | 23.890   | ug/L   | 94       |
| 25) Chloroform                | 7.677  | 83    | 205866   | 23.967   | ug/L   | 95       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025569

Quant Time: Jun 11 00:12:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061022SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 11 00:06:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 141993   | 24.996 | ug/L   | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 152983   | 23.136 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 169670   | 22.328 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 153529   | 21.930 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 436414   | 23.012 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 113586   | 22.346 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.336  | 83   | 186471   | 22.659 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 110939   | 23.938 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 156211   | 23.965 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 168417   | 23.714 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 131664   | 49.810 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 505397   | 23.853 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 153764   | 23.994 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 89079    | 23.399 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.860 | 164  | 86652    | 22.082 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.963 | 43   | 95021    | 53.191 | ug/L   | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 108233   | 24.276 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 85781    | 24.105 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 331824   | 23.205 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.731 | 91   | 577620   | 23.986 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 222444   | 23.734 | ug/L   | 94       |
| 54) o-Xylene                  | 12.164 | 106  | 218776   | 24.427 | ug/L   | 100      |
| 55) Styrene                   | 12.176 | 104  | 386334   | 24.808 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 111987   | 24.223 | ug/L   | 99       |
| 59) Bromoform                 | 12.347 | 173  | 57637    | 22.717 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 598364   | 23.420 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 81008    | 23.852 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 498626   | 23.862 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 488006   | 23.337 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 259938   | 22.933 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 262785   | 22.706 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 246161   | 23.711 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 18144    | 24.194 | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 163127   | 22.026 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 133378   | 23.128 | ug/L   | 98       |
| 71) Naphthalene               | 15.359 | 128  | 278258   | 24.527 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 117447   | 23.426 | ug/L   | 97       |

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

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