

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061421\  
 Data File : VW019204.D  
 Acq On : 14 Jun 2021 09:34  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025113

Quant Time: Jun 15 01:11:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 12 00:22:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 538195   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 480257   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 244306   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 142872   | 20.076   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 80.320%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 130606   | 21.547   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 86.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 324125   | 22.923   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 91.680%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 67352    | 36.130   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 72.260%  |
| 24) Chloroform-d              | 7.653  | 84    | 325537   | 22.498   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 90.000%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 165468   | 20.387   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 81.560%  |
| 32) Benzene-d6                | 8.275  | 84    | 607489   | 22.202   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 88.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 187233   | 22.571   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 90.280%  |
| 41) Toluene-d8                | 10.323 | 98    | 551238   | 21.936   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 87.760%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 74069    | 20.617   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 82.480%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 55448    | 39.419   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 78.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 140984   | 20.604   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 82.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 181472   | 21.282   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 85.120%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 180688   | 25.914   | ug/L  | 92       |
| 3) Chloromethane              | 2.221  | 50    | 167620   | 26.002   | ug/L  | 98       |
| 5) Vinyl chloride             | 2.367  | 62    | 267153   | 27.148   | ug/L  | 96       |
| 6) Bromomethane               | 2.788  | 94    | 167565   | 22.900   | ug/L  | 98       |
| 8) Chloroethane               | 2.934  | 64    | 159144   | 27.203   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 158355   | 29.320   | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.080  | 101   | 206123   | 26.682   | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 199264   | 26.111   | ug/L  | 88       |
| 13) Acetone                   | 4.147  | 43    | 86628    | 52.442   | ug/L  | 91       |
| 14) Carbon disulfide          | 4.391  | 76    | 635065   | 26.328   | ug/L  | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 66606    | 20.047   | ug/L  | 98       |
| 16) Methylene chloride        | 4.922  | 84    | 203878   | 20.416   | ug/L  | 94       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 208425   | 25.349   | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 244477   | 23.001   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 384782   | 26.366   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 211273   | 24.679   | ug/L  | 88       |
| 22) 2-Butanone                | 7.183  | 43    | 104972   | 47.527   | ug/L  | 100      |
| 23) Bromochloromethane        | 7.519  | 128   | 88007    | 23.368   | ug/L  | 89       |
| 25) Chloroform                | 7.677  | 83    | 380400   | 25.557   | ug/L  | 98       |

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 VSTD025113

Quant Time: Jun 15 01:11:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jun 12 00:22:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 235440   | 23.359 | ug/L  | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 348071   | 27.853 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 303524   | 27.466 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 279289   | 27.372 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 844444   | 26.732 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 218844   | 26.576 | ug/L  | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 387498   | 27.346 | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 202296   | 26.070 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 259373   | 25.770 | ug/L  | 91       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 304647   | 25.338 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 197484   | 42.734 | ug/L  | 97       |
| 42) Toluene                   | 10.390 | 91   | 912994   | 26.864 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 264877   | 24.958 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 137938   | 23.610 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 160664   | 25.524 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 151545   | 48.782 | ug/L  | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 156725   | 24.203 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 126805   | 22.402 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 531227   | 25.323 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 1000595  | 26.764 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.841 | 106  | 367997   | 26.691 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 348492   | 26.535 | ug/L  | 95       |
| 55) Styrene                   | 12.182 | 104  | 599506   | 26.544 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 161728   | 22.462 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 83065    | 22.070 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 984645   | 26.920 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 117435   | 21.486 | ug/L  | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 794238   | 26.439 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 799107   | 26.648 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 394568   | 24.718 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 409112   | 25.064 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 352989   | 24.569 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 24566    | 20.532 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 295995   | 25.664 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 226386   | 23.916 | ug/L  | 97       |
| 71) Naphthalene               | 15.365 | 128  | 423045   | 22.416 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 207042   | 24.686 | ug/L  | 97       |

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

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