

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW041422\  
 Data File : VW022549.D  
 Acq On : 14 Apr 2022 17:33  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025487

Quant Time: Apr 15 02:08:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 15 01:29:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 313923   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 306054   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 174110   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 128241   | 18.479   | ug/L   | -0.01     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.920%   |
| 7) Chloroethane-d5            | 2.885  | 69    | 104339   | 23.989   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.960%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 167564   | 18.616   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 74.480%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 86358    | 71.275   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 142.560%# |
| 24) Chloroform-d              | 7.647  | 84    | 251600   | 25.642   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.560%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 145985   | 26.039   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.160%  |
| 32) Benzene-d6                | 8.275  | 84    | 434282   | 23.225   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.920%   |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 139789   | 25.833   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 103.320%  |
| 41) Toluene-d8                | 10.323 | 98    | 410461   | 22.413   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.640%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 62954    | 24.651   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.600%   |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 74271    | 73.772   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 147.540%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 155298   | 33.753   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 135.000%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 174315   | 28.266   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 113.080%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 60570    | 39.360   | ug/L   | 98        |
| 3) Chloromethane              | 2.215  | 50    | 74088    | 19.310   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.361  | 62    | 155910   | 19.475   | ug/L   | 96        |
| 6) Bromomethane               | 2.776  | 94    | 101940   | 20.946   | ug/L   | 95        |
| 8) Chloroethane               | 2.922  | 64    | 78847    | 22.496   | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 52103    | 17.628   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 97304    | 20.675   | ug/L   | 96        |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 86585    | 20.485   | ug/L   | 95        |
| 13) Acetone                   | 4.123  | 43    | 44872    | 54.394   | ug/L   | 92        |
| 14) Carbon disulfide          | 4.385  | 76    | 229081   | 16.475   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.672  | 43    | 44801    | 21.641   | ug/L   | 94        |
| 16) Methylene chloride        | 4.915  | 84    | 101400   | 21.466   | ug/L   | 93        |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 98091    | 19.811   | ug/L   | 95        |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 164069   | 20.289   | ug/L   | 95        |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 177300   | 19.624   | ug/L   | 97        |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 111451   | 21.312   | ug/L # | 88        |
| 22) 2-Butanone                | 7.171  | 43    | 64838    | 52.040   | ug/L   | 96        |
| 23) Bromochloromethane        | 7.513  | 128   | 50202    | 22.306   | ug/L   | 91        |
| 25) Chloroform                | 7.671  | 83    | 198476   | 20.858   | ug/L   | 97        |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 15 01:29:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 140150   | 20.955 | ug/L  | 99       |
| 29) Cyclohexane               | 7.951  | 56   | 155007   | 17.696 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 164243   | 19.346 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 151162   | 19.838 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 417969   | 20.115 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 113365   | 20.376 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 184041   | 18.437 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 102023   | 20.495 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 150436   | 21.015 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 167037   | 21.146 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 143129   | 47.114 | ug/L  | 96       |
| 42) Toluene                   | 10.384 | 91   | 482664   | 20.271 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 148463   | 20.991 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 85682    | 22.553 | ug/L  | 93       |
| 46) Tetrachloroethene         | 10.860 | 164  | 85130    | 20.816 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.969 | 43   | 104673   | 48.839 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 103271   | 22.792 | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 86517    | 23.062 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.652 | 112  | 313969   | 21.578 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.725 | 91   | 534840   | 20.040 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 212484   | 20.939 | ug/L  | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 208563   | 21.507 | ug/L  | 98       |
| 55) Styrene                   | 12.176 | 104  | 359875   | 21.721 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 113063   | 24.247 | ug/L  | 99       |
| 59) Bromoform                 | 12.347 | 173  | 57334    | 22.161 | ug/L  | 94       |
| 60) Isopropylbenzene          | 12.463 | 105  | 573289   | 19.822 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 81877    | 22.107 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 323937   | 20.366 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 484613   | 20.035 | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 248114   | 21.137 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 251669   | 21.498 | ug/L  | 92       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 226942   | 21.618 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 18857    | 21.953 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 168713   | 22.029 | ug/L  | 91       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 134762   | 20.952 | ug/L  | 98       |
| 71) Naphthalene               | 15.359 | 128  | 309615   | 22.823 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 117358   | 21.346 | ug/L  | 95       |

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

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