

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
 Data File : VW021180.D  
 Acq On : 06 Dec 2021 19:36  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

Quant Time: Dec 07 01:54:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 07 01:47:32 2021  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.842     | 114   | 112999   | 25.000   | ug/L       | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628    | 117   | 110529   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 68035    | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 41685    | 26.477   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 105.920% |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 27573    | 26.162   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 104.640% |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 58010    | 23.065   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 92.240%  |          |
| 21) 2-Butanone-d5             | 7.074     | 46    | 19264    | 53.644   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 107.280% |          |
| 24) Chloroform-d              | 7.647     | 84    | 71486    | 25.261   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 101.040% |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 40471    | 26.141   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 104.560% |          |
| 32) Benzene-d6                | 8.275     | 84    | 135612   | 23.996   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 96.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 38158    | 24.296   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 97.200%  |          |
| 41) Toluene-d8                | 10.323    | 98    | 134302   | 23.176   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 92.720%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 18305    | 25.668   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 102.680% |          |
| 47) 2-Hexanone-d5             | 10.920    | 63    | 16497    | 54.902   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 109.800% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 39502    | 27.187   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 108.760% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 57295    | 23.504   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 94.000%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 17481    | 31.671   | ug/L       | 98       |
| 3) Chloromethane              | 2.215     | 50    | 33799    | 27.353   | ug/L       | 100      |
| 5) Vinyl chloride             | 2.355     | 62    | 55075    | 25.657   | ug/L       | 98       |
| 6) Bromomethane               | 2.776     | 94    | 36046    | 25.255   | ug/L       | 97       |
| 8) Chloroethane               | 2.916     | 64    | 22632    | 25.298   | ug/L       | 99       |
| 9) Trichlorofluoromethane     | 3.251     | 101   | 20838    | 20.104   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056     | 101   | 37983    | 23.412   | ug/L       | 91       |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 33144    | 22.597   | ug/L       | 84       |
| 13) Acetone                   | 4.123     | 43    | 13526    | 41.350   | ug/L       | 91       |
| 14) Carbon disulfide          | 4.379     | 76    | 91773    | 22.542   | ug/L       | 100      |
| 15) Methyl Acetate            | 4.665     | 43    | 15002    | 25.293   | ug/L       | # 90     |
| 16) Methylene chloride        | 4.915     | 84    | 36198    | 20.333   | ug/L       | 84       |
| 17) trans-1,2-Dichloroethene  | 5.421     | 96    | 36735    | 23.523   | ug/L       | 82       |
| 18) Methyl tert-butyl Ether   | 5.421     | 73    | 57603    | 24.439   | ug/L       | 94       |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 58997    | 23.824   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165     | 96    | 40074    | 24.188   | ug/L       | 75       |
| 22) 2-Butanone                | 7.171     | 43    | 20563    | 45.424   | ug/L       | 88       |
| 23) Bromochloromethane        | 7.506     | 128   | 19229    | 24.805   | ug/L       | # 66     |
| 25) Chloroform                | 7.677     | 83    | 68163    | 24.521   | ug/L       | 98       |

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 Quant Title : SFAM01.0  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 47052    | 25.876 | ug/L   | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 54720    | 22.442 | ug/L # | 82       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 59904    | 23.245 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 55146    | 23.028 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 142571   | 22.683 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 40700    | 23.471 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 65234    | 22.350 | ug/L   | 85       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 33248    | 23.404 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.640  | 83   | 48697    | 24.385 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 56039    | 24.388 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 47200    | 48.772 | ug/L # | 93       |
| 42) Toluene                   | 10.384 | 91   | 171310   | 23.862 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 52607    | 25.305 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 29786    | 25.009 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.859 | 164  | 38052    | 23.965 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 35848    | 51.348 | ug/L # | 93       |
| 49) Dibromochloromethane      | 11.128 | 129  | 37262    | 25.032 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 30836    | 25.388 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.658 | 112  | 115411   | 24.059 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.725 | 91   | 195136   | 24.144 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 80389    | 24.044 | ug/L   | 93       |
| 54) o-Xylene                  | 12.164 | 106  | 79271    | 25.147 | ug/L   | 80       |
| 55) Styrene                   | 12.176 | 104  | 139600   | 25.993 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 39021    | 27.239 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 22826    | 23.526 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 219038   | 23.166 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 28977    | 25.425 | ug/L # | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 187475   | 23.676 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 190866   | 23.967 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 102124   | 22.938 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 105070   | 23.351 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 94549    | 23.852 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6207     | 24.118 | ug/L # | 69       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 75835    | 23.177 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 62014    | 23.065 | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 116721   | 23.352 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 55587    | 23.689 | ug/L   | 95       |

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

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