

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121821\  
 Data File : VW021442.D  
 Acq On : 17 Dec 2021 23:26  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025517

Quant Time: Dec 18 00:52:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 17 00:58:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 120898   | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 116650   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 68091    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 40263    | 18.286   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.160%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 27962    | 19.210   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 63622    | 21.673   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.680%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 19441    | 62.637   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.280% |
| 24) Chloroform-d              | 7.647  | 84    | 81595    | 24.218   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 44348    | 24.746   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.000%  |
| 32) Benzene-d6                | 8.275  | 84    | 145954   | 22.827   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 91.320%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 42334    | 24.688   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.760%  |
| 41) Toluene-d8                | 10.323 | 98    | 149208   | 22.839   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.360%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 19201    | 24.318   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 97.280%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 16679    | 65.776   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 131.560% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 41856    | 28.394   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 61019    | 23.123   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 92.480%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 11849    | 25.366   | ug/L   | 98       |
| 3) Chloromethane              | 2.215  | 50    | 32816    | 21.220   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62    | 51323    | 21.140   | ug/L   | 100      |
| 6) Bromomethane               | 2.776  | 94    | 34357    | 21.818   | ug/L   | 99       |
| 8) Chloroethane               | 2.916  | 64    | 23879    | 21.350   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 27531    | 21.492   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 41589    | 24.912   | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 36900    | 24.623   | ug/L   | 78       |
| 13) Acetone                   | 4.117  | 43    | 14028    | 50.416   | ug/L   | 94       |
| 14) Carbon disulfide          | 4.379  | 76    | 89267    | 23.066   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.666  | 43    | 14872    | 30.977   | ug/L   | # 90     |
| 16) Methylene chloride        | 4.909  | 84    | 41370    | 20.709   | ug/L   | 84       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 41479    | 25.563   | ug/L   | 79       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 65191    | 29.090   | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 68967    | 27.086   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 45062    | 26.330   | ug/L   | 71       |
| 22) 2-Butanone                | 7.165  | 43    | 20154    | 55.465   | ug/L   | 87       |
| 23) Bromochloromethane        | 7.513  | 128   | 22506    | 28.124   | ug/L   | # 59     |
| 25) Chloroform                | 7.677  | 83    | 79195    | 26.794   | ug/L   | 98       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 17 00:58:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 52394    | 27.992 | ug/L   | 97       |
| 29) Cyclohexane               | 7.952  | 56   | 57908    | 24.941 | ug/L # | 82       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 69368    | 26.504 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 63423    | 26.268 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 162230   | 25.530 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 45882    | 25.721 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.335  | 83   | 70895    | 24.093 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 38347    | 27.054 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.646  | 83   | 57107    | 29.303 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 62114    | 27.800 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 47854    | 61.961 | ug/L # | 91       |
| 42) Toluene                   | 10.384 | 91   | 194136   | 26.122 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 55807    | 28.516 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 33209    | 28.625 | ug/L   | 90       |
| 46) Tetrachloroethene         | 10.860 | 164  | 42670    | 25.181 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 33253    | 59.372 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.128 | 129  | 41876    | 29.280 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 33576    | 29.082 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.652 | 112  | 129482   | 26.023 | ug/L   | 90       |
| 52) Ethylbenzene              | 11.731 | 91   | 217138   | 25.567 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.835 | 106  | 88777    | 25.912 | ug/L   | 91       |
| 54) o-Xylene                  | 12.164 | 106  | 85215    | 26.208 | ug/L   | 98       |
| 55) Styrene                   | 12.176 | 104  | 146383   | 26.453 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 38959    | 29.295 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 23417    | 28.903 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 231021   | 24.969 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 28944    | 29.207 | ug/L # | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 202090   | 25.668 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 197882   | 25.478 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 113843   | 26.086 | ug/L   | 86       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 111729   | 25.768 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 100515   | 26.162 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6152     | 30.097 | ug/L # | 66       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 83961    | 25.741 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 65704    | 25.044 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 120800   | 28.341 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 55774    | 25.724 | ug/L   | 98       |
| -----                         |        |      |          |        |        |          |

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

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