

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
 Data File : VW021179.D  
 Acq On : 06 Dec 2021 19:12  
 Operator : SY/VA  
 Sample : M4888-08MSD  
 Misc : 7.10g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EX8B3MSD

Quant Time: Dec 07 01:53:36 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   | 92993    | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 81559    | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 42386    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 29548    | 22.806   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.240%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 20051    | 23.118   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.480%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 40927    | 19.773   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 79.080%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 14527    | 49.156   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.320%  |
| 24) Chloroform-d              | 7.647  | 84    | 51112    | 21.947   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.800%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 29582    | 23.218   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.880%  |
| 32) Benzene-d6                | 8.268  | 84    | 93576    | 22.439   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 27761    | 23.955   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.800%  |
| 41) Toluene-d8                | 10.323 | 98    | 90266    | 21.110   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 84.440%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 12073    | 22.943   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.760%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 12155    | 54.820   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.640% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 26712    | 24.915   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 99.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 31998    | 21.070   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.280%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 11378    | 25.049   | ug/L   | 98       |
| 3) Chloromethane              | 2.215  | 50    | 23268    | 22.882   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.355  | 62    | 39191    | 22.185   | ug/L   | 96       |
| 6) Bromomethane               | 2.769  | 94    | 25208    | 21.461   | ug/L   | 95       |
| 8) Chloroethane               | 2.916  | 64    | 16651    | 22.617   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 15818    | 18.544   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 26314    | 19.709   | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 4.031  | 96    | 23693    | 19.629   | ug/L   | 81       |
| 13) Acetone                   | 4.123  | 43    | 11405    | 42.366   | ug/L   | 92       |
| 14) Carbon disulfide          | 4.385  | 76    | 60829    | 18.156   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.672  | 43    | 11174    | 22.892   | ug/L   | # 89     |
| 16) Methylene chloride        | 4.909  | 84    | 29346    | 20.030   | ug/L   | 83       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 25778    | 20.058   | ug/L   | 86       |
| 18) Methyl tert-butyl Ether   | 5.421  | 73    | 46899    | 24.178   | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 43419    | 21.306   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 28760    | 21.093   | ug/L   | 68       |
| 22) 2-Butanone                | 7.171  | 43    | 16433    | 44.111   | ug/L   | 88       |
| 23) Bromochloromethane        | 7.513  | 128   | 14306    | 22.425   | ug/L   | # 70     |
| 25) Chloroform                | 7.677  | 83    | 49067    | 21.449   | ug/L   | 98       |

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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 35290    | 23.583 | ug/L # | 95       |
| 29) Cyclohexane               | 7.951  | 56   | 35545    | 19.756 | ug/L # | 82       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 40531    | 21.314 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 37405    | 21.168 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 100377   | 21.642 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 27564    | 21.542 | ug/L   | 85       |
| 35) Methylcyclohexane         | 9.335  | 83   | 39868    | 18.511 | ug/L   | 86       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 24220    | 23.105 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.646  | 83   | 34496    | 23.410 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 39639    | 23.378 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 36132    | 50.597 | ug/L # | 92       |
| 42) Toluene                   | 10.384 | 91   | 112955   | 21.323 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 35529    | 23.160 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 21878    | 24.894 | ug/L   | 92       |
| 46) Tetrachloroethene         | 10.859 | 164  | 72261    | 61.674 | ug/L   | 89       |
| 48) 2-Hexanone                | 10.969 | 43   | 27166    | 52.734 | ug/L # | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 26126    | 23.785 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 21812    | 24.337 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 70820    | 20.007 | ug/L   | 91       |
| 52) Ethylbenzene              | 11.725 | 91   | 120484   | 20.203 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 49286    | 19.977 | ug/L   | 91       |
| 54) o-Xylene                  | 12.164 | 106  | 48955    | 21.047 | ug/L   | 89       |
| 55) Styrene                   | 12.176 | 104  | 77808    | 19.633 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 25598    | 24.216 | ug/L # | 96       |
| 59) Bromoform                 | 12.347 | 173  | 14836    | 24.544 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 127669   | 21.673 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 19250    | 27.112 | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 104818   | 21.248 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 101293   | 20.416 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 51510    | 18.571 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 54304    | 19.372 | ug/L   | 87       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 49968    | 20.233 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4099     | 25.566 | ug/L # | 67       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 35199    | 17.267 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 26493    | 15.816 | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 58782    | 18.877 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 21807    | 14.917 | ug/L   | 97       |

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

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