

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021119.D  
 Acq On : 04 Dec 2021 15:39  
 Operator : SY/VA  
 Sample : M4881-21REMS  
 Misc : 3.97g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9F6REMS

Quant Time: Dec 06 00:49:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 92604    | 25.000   | ug/L        | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 73504    | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 24533    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 43161    | 33.452   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 133.800%  |          |
| 7) Chloroethane-d5            | 2.879  | 69    | 28727    | 33.260   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 133.040%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 58356    | 28.312   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 113.240%# |          |
| 21) 2-Butanone-d5             | 7.074  | 46    | 16353    | 55.567   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 111.140%  |          |
| 24) Chloroform-d              | 7.647  | 84    | 68034    | 29.336   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 117.360%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 35495    | 27.976   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 111.920%  |          |
| 32) Benzene-d6                | 8.275  | 84    | 121930   | 32.443   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 129.760%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 34813    | 33.332   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 133.320%# |          |
| 41) Toluene-d8                | 10.323 | 98    | 111742   | 28.996   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 116.000%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 13577    | 28.629   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 114.520%  |          |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 12309    | 61.598   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 123.200%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 26519    | 27.445   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 109.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 21234    | 24.157   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 96.640%   |          |
| Target Compounds              |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 13678    | 30.239   | ug/L        | 98       |
| 3) Chloromethane              | 2.209  | 50    | 29342    | 28.976   | ug/L        | 98       |
| 5) Vinyl chloride             | 2.355  | 62    | 51886    | 29.495   | ug/L        | 97       |
| 6) Bromomethane               | 2.770  | 94    | 34004    | 29.071   | ug/L        | 95       |
| 8) Chloroethane               | 2.916  | 64    | 23380    | 31.890   | ug/L        | 100      |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 23589    | 27.771   | ug/L        | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 35505    | 26.704   | ug/L        | 92       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 31945    | 26.577   | ug/L        | 81       |
| 13) Acetone                   | 4.123  | 43    | 15764    | 58.805   | ug/L        | 94       |
| 14) Carbon disulfide          | 4.379  | 76    | 77571    | 23.250   | ug/L        | 97       |
| 15) Methyl Acetate            | 4.666  | 43    | 13167    | 27.089   | ug/L #      | 79       |
| 16) Methylene chloride        | 4.916  | 84    | 35667    | 24.447   | ug/L        | 83       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 32464    | 25.366   | ug/L        | 78       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 59060    | 30.575   | ug/L        | 94       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 57543    | 28.355   | ug/L        | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 35544    | 26.178   | ug/L        | 69       |
| 22) 2-Butanone                | 7.171  | 43    | 20021    | 53.967   | ug/L        | 89       |
| 23) Bromochloromethane        | 7.513  | 128   | 17916    | 28.202   | ug/L #      | 67       |
| 25) Chloroform                | 7.677  | 83    | 63921    | 28.060   | ug/L        | 98       |

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 ALS Vial : 9 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 EW9F6REMS

Quant Time: Dec 06 00:49:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 42392    | 28.448 | ug/L   | 96       |
| 29) Cyclohexane               | 7.952  | 56   | 49368    | 30.445 | ug/L # | 83       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 56152    | 32.764 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 51305    | 32.216 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 129303   | 30.934 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 42234    | 36.624 | ug/L   | 90       |
| 35) Methylcyclohexane         | 9.329  | 83   | 52802    | 27.203 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 30811    | 32.613 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.646  | 83   | 43455    | 32.721 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 45117    | 29.525 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 40482    | 62.900 | ug/L # | 92       |
| 42) Toluene                   | 10.390 | 91   | 134026   | 28.073 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 36785    | 26.607 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 25241    | 31.868 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.866 | 164  | 51971    | 49.217 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.969 | 43   | 28763    | 61.953 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 28326    | 28.614 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 23416    | 28.990 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 72846    | 22.835 | ug/L   | 91       |
| 52) Ethylbenzene              | 11.725 | 91   | 135309   | 25.175 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 54805    | 24.649 | ug/L   | 83       |
| 54) o-Xylene                  | 12.164 | 106  | 52905    | 25.237 | ug/L   | 83       |
| 55) Styrene                   | 12.182 | 104  | 68220    | 19.100 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 26199    | 27.500 | ug/L # | 98       |
| 59) Bromoform                 | 12.353 | 173  | 14572    | 41.651 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 140110   | 41.094 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 18937    | 46.079 | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 109725   | 38.429 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 98125    | 34.170 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 36361    | 22.649 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 33795    | 20.829 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 33496    | 23.433 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 3340     | 35.991 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 19111    | 16.198 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 10029    | 10.344 | ug/L   | 95       |
| 71) Naphthalene               | 15.365 | 128  | 19882    | 11.031 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 8291     | 9.799  | ug/L   | 97       |

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

