

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
 Data File : VW021615.D  
 Acq On : 23 Dec 2021 15:55  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 6.63g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025528

Quant Time: Dec 24 00:34:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 24 00:28:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 110000   | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 103770   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 65692    | 25.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 47336    | 23.628   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 94.520%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 34878    | 26.335   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 105.360% |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 67462    | 25.258   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 101.040% |
| 21) 2-Butanone-d5             | 7.098  | 46    | 14995    | 53.099   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 106.200% |
| 24) Chloroform-d              | 7.647  | 84    | 76609    | 24.991   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 99.960%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 41454    | 25.422   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 101.680% |
| 32) Benzene-d6                | 8.275  | 84    | 145705   | 25.616   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 102.480% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 39225    | 25.714   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 102.840% |
| 41) Toluene-d8                | 10.323 | 98    | 146998   | 25.294   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 101.160% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 17931    | 25.529   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 102.120% |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 13735    | 60.889   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 121.780% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 35693    | 27.219   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 108.880% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 59104    | 23.215   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 92.880%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 9967     | 23.451   | ug/L  | 98       |
| 3) Chloromethane              | 2.209  | 50    | 28967    | 20.587   | ug/L  | 100      |
| 5) Vinyl chloride             | 2.355  | 62    | 45452    | 20.577   | ug/L  | 98       |
| 6) Bromomethane               | 2.782  | 94    | 28083    | 19.601   | ug/L  | 91       |
| 8) Chloroethane               | 2.922  | 64    | 24833    | 24.403   | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 33581    | 28.812   | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 36393    | 23.960   | ug/L  | 93       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 31448    | 23.064   | ug/L  | 79       |
| 13) Acetone                   | 4.159  | 43    | 12065    | 47.657   | ug/L  | 95       |
| 14) Carbon disulfide          | 4.385  | 76    | 67880    | 19.278   | ug/L  | 100      |
| 15) Methyl Acetate            | 4.690  | 43    | 11585    | 26.522   | ug/L  | 92       |
| 16) Methylene chloride        | 4.915  | 84    | 36690    | 20.186   | ug/L  | 82       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 32999    | 22.352   | ug/L  | 86       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 52901    | 25.945   | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 56515    | 24.395   | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 37183    | 23.879   | ug/L  | 79       |
| 22) 2-Butanone                | 7.189  | 43    | 16856    | 50.984   | ug/L  | 91       |
| 23) Bromochloromethane        | 7.513  | 128   | 17848    | 24.513   | ug/L  | # 66     |
| 25) Chloroform                | 7.677  | 83    | 66856    | 24.860   | ug/L  | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025528

Quant Time: Dec 24 00:34:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 24 00:28:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 42766    | 25.112 | ug/L   | 96       |
| 29) Cyclohexane               | 7.958  | 56   | 47680    | 23.085 | ug/L # | 80       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 59434    | 25.527 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 55148    | 25.676 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 134832   | 23.852 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 39207    | 24.707 | ug/L   | 88       |
| 35) Methylcyclohexane         | 9.335  | 83   | 60656    | 23.172 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 32005    | 25.382 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.646  | 83   | 45958    | 26.509 | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 51671    | 25.996 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 36619    | 53.299 | ug/L # | 91       |
| 42) Toluene                   | 10.384 | 91   | 159912   | 24.188 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 46761    | 26.860 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 27445    | 26.593 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.859 | 164  | 36275    | 24.064 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 27719    | 55.635 | ug/L # | 93       |
| 49) Dibromochloromethane      | 11.128 | 129  | 33823    | 26.585 | ug/L   | 92       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 27131    | 26.416 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 109425   | 24.722 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.731 | 91   | 182519   | 24.158 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 74602    | 24.477 | ug/L   | 85       |
| 54) o-Xylene                  | 12.164 | 106  | 70121    | 24.242 | ug/L   | 100      |
| 55) Styrene                   | 12.176 | 104  | 122373   | 24.859 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 31157    | 26.336 | ug/L # | 90       |
| 59) Bromoform                 | 12.347 | 173  | 18643    | 23.851 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 200588   | 22.472 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 23220    | 24.287 | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 172407   | 22.698 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 171801   | 22.928 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 96732    | 22.975 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 95822    | 22.907 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 84228    | 22.723 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4781     | 24.244 | ug/L # | 74       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 74117    | 23.553 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 58710    | 23.195 | ug/L   | 98       |
| 71) Naphthalene               | 15.365 | 128  | 102552   | 24.939 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 50379    | 24.084 | ug/L   | 99       |

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

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