

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081322\  
 Data File : VU050330.D  
 Acq On : 13 Aug 2022 19:56  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005162

Quant Time: Aug 14 01:29:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sun Aug 14 01:24:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 6.250     | 114            | 88624    | 5.000      | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117            | 87402    | 5.000      | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152            | 40590    | 5.000      | ug/L  | 0.00     |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65             | 42109    | 5.710      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 114.200% |       |          |
| 7) Chloroethane-d5            | 1.906     | 69             | 34425    | 5.785      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 115.800% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.565     | 65             | 15087    | 5.234      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 104.600% |       |          |
| 20) 2-Butanone-d5             | 4.623     | 46             | 105398   | 58.602     | ug/L  | -0.02    |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 117.200% |       |          |
| 24) Chloroform-d              | 5.063     | 84             | 75959    | 5.537      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 110.800% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.700     | 65             | 38755    | 5.502      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 110.000% |       |          |
| 32) Benzene-d6                | 5.726     | 84             | 146081   | 5.356      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 107.200% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.690     | 67             | 48533    | 5.404      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 108.000% |       |          |
| 41) Toluene-d8                | 7.899     | 98             | 130007   | 5.397      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 108.000% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79             | 17485    | 5.433      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 108.600% |       |          |
| 46) 2-Hexanone-d5             | 8.632     | 63             | 68331    | 59.868     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 119.740% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755    | 84             | 42921    | 5.442      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 108.800% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192    | 152            | 41253    | 5.187      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 103.800% |       |          |
| Target Compounds              |           |                |          |            |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385     | 85             | 36551    | 4.498      | ug/L  | 99       |
| 3) Chloromethane              | 1.520     | 50             | 49989    | 4.703      | ug/L  | 99       |
| 5) Vinyl chloride             | 1.604     | 62             | 50055    | 5.257      | ug/L  | 99       |
| 6) Bromomethane               | 1.851     | 94             | 21791    | 3.585      | ug/L  | 96       |
| 8) Chloroethane               | 1.928     | 64             | 29793    | 5.310      | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.134     | 101            | 53015    | 5.084      | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578     | 101            | 29290    | 5.050      | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.578     | 96             | 30108    | 4.915      | ug/L  | 92       |
| 13) Acetone                   | 2.629     | 43             | 63139    | 63.036     | ug/L  | 92       |
| 14) Carbon disulfide          | 2.790     | 76             | 101055   | 4.619      | ug/L  | 99       |
| 15) Methyl Acetate            | 2.951     | 43             | 16347    | 5.977      | ug/L  | 95       |
| 16) Methylene chloride        | 3.044     | 84             | 45396    | 4.850      | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 3.366     | 73             | 82187    | 5.141      | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.353     | 96             | 34161    | 4.980      | ug/L  | 96       |
| 19) 1,1-Dichloroethane        | 3.871     | 63             | 69543    | 5.354      | ug/L  | 100      |
| 21) 2-Butanone                | 4.703     | 43             | 107777   | 59.838     | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665     | 96             | 41236    | 5.416      | ug/L  | 99       |
| 23) Bromochloromethane        | 4.973     | 128            | 19336    | 5.314      | ug/L  | 97       |
| 25) Chloroform                | 5.089     | 83             | 73687    | 5.321      | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081322\  
 Data File : VU050330.D  
 Acq On : 13 Aug 2022 19:56  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005162

Quant Time: Aug 14 01:29:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sun Aug 14 01:24:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 45545    | 5.404  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 55539    | 5.180  | ug/L  | 98       |
| 30) Cyclohexane               | 5.388  | 56   | 40929    | 4.381  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 45026    | 5.123  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 157927   | 5.157  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 36881    | 4.980  | ug/L  | 93       |
| 35) Methylcyclohexane         | 6.764  | 83   | 41118    | 4.301  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 43380    | 5.318  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 52699    | 5.319  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 51361    | 4.825  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 257852   | 54.578 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 160400   | 5.223  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 45874    | 5.025  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 32815    | 5.382  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.552  | 164  | 25768    | 4.856  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 196064   | 53.656 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 35525    | 5.264  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 29314    | 5.302  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 94222    | 4.876  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.571  | 91   | 140985   | 4.704  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 54742    | 4.960  | ug/L  | 100      |
| 54) o-Xylene                  | 10.099 | 106  | 54747    | 4.969  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 90842    | 4.936  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 42361    | 5.287  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 20059    | 4.928  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.484 | 105  | 131375   | 4.846  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 29066    | 5.257  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 34657    | 4.525  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 96096    | 4.605  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 67190    | 4.918  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 64501    | 4.852  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 66868    | 5.054  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 5979     | 5.515  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 44934    | 4.617  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 34849    | 4.726  | ug/L  | 100      |
| 71) Naphthalene               | 14.086 | 128  | 66784    | 4.416  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 36392    | 4.868  | ug/L  | 99       |

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

