

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U080422\  
 Data File : U080422.D  
 Acq On : 04 Aug 2022 14:00  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005146

Quant Time: Aug 05 04:44:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 05 04:40:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 6.250     | 114            | 89968    | 5.000      | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117            | 89624    | 5.000      | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152            | 41821    | 5.000      | ug/L  | 0.00     |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65             | 39160    | 5.230      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 104.600% |       |          |
| 7) Chloroethane-d5            | 1.912     | 69             | 32356    | 5.356      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 107.200% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.562     | 65             | 14755    | 5.042      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 100.800% |       |          |
| 20) 2-Butanone-d5             | 4.642     | 46             | 110793   | 60.681     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 121.360% |       |          |
| 24) Chloroform-d              | 5.063     | 84             | 74508    | 5.350      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 107.000% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.703     | 65             | 37457    | 5.238      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 104.800% |       |          |
| 32) Benzene-d6                | 5.729     | 84             | 145866   | 5.215      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 104.400% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.694     | 67             | 48535    | 5.270      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 105.400% |       |          |
| 41) Toluene-d8                | 7.899     | 98             | 131222   | 5.312      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 106.200% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79             | 18144    | 5.497      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 110.000% |       |          |
| 46) 2-Hexanone-d5             | 8.639     | 63             | 65529    | 55.989     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 111.980% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758    | 84             | 42488    | 5.253      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 105.000% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152            | 43246    | 5.278      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 105.600% |       |          |
| Target Compounds              |           |                |          |            |       |          |
|                               |           |                |          |            |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385     | 85             | 40158    | 4.869      | ug/L  | 100      |
| 3) Chloromethane              | 1.520     | 50             | 55289    | 5.124      | ug/L  | 99       |
| 5) Vinyl chloride             | 1.601     | 62             | 49846    | 5.157      | ug/L  | 98       |
| 6) Bromomethane               | 1.858     | 94             | 31978    | 5.183      | ug/L  | 96       |
| 8) Chloroethane               | 1.932     | 64             | 28514    | 5.007      | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.134     | 101            | 53475    | 5.052      | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575     | 101            | 27762    | 4.715      | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.575     | 96             | 30415    | 4.891      | ug/L  | 96       |
| 13) Acetone                   | 2.649     | 43             | 50383    | 49.550     | ug/L  | 91       |
| 14) Carbon disulfide          | 2.787     | 76             | 109990   | 4.952      | ug/L  | 99       |
| 15) Methyl Acetate            | 2.961     | 43             | 15782    | 5.685      | ug/L  | 91       |
| 16) Methylene chloride        | 3.041     | 84             | 46345    | 4.877      | ug/L  | 99       |
| 17) Methyl tert-butyl Ether   | 3.369     | 73             | 88862    | 5.475      | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 3.350     | 96             | 36996    | 5.313      | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.867     | 63             | 69939    | 5.304      | ug/L  | 98       |
| 21) 2-Butanone                | 4.723     | 43             | 114641   | 62.698     | ug/L  | 94       |
| 22) cis-1,2-Dichloroethene    | 4.668     | 96             | 41280    | 5.341      | ug/L  | 97       |
| 23) Bromochloromethane        | 4.977     | 128            | 20243    | 5.480      | ug/L  | 99       |
| 25) Chloroform                | 5.089     | 83             | 73846    | 5.253      | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080422\  
 Data File : VU050063.D  
 Acq On : 04 Aug 2022 14:00  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005146

Quant Time: Aug 05 04:44:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 05 04:40:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 46268    | 5.408  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 56086    | 5.101  | ug/L  | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 47006    | 4.907  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 45742    | 5.075  | ug/L  | 98       |
| 33) Benzene                   | 5.774  | 78   | 162539   | 5.176  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 39233    | 5.166  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 46580    | 4.751  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 44532    | 5.324  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 54034    | 5.318  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 59291    | 5.432  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 263777   | 54.447 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 167362   | 5.314  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 50822    | 5.429  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 32703    | 5.231  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.552  | 164  | 27256    | 5.009  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 202252   | 53.977 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 36629    | 5.293  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 30926    | 5.455  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 102664   | 5.181  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 156384   | 5.089  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 60819    | 5.374  | ug/L  | 97       |
| 54) o-Xylene                  | 10.102 | 106  | 61036    | 5.403  | ug/L  | 100      |
| 55) Styrene                   | 10.115 | 104  | 104950   | 5.561  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 43157    | 5.253  | ug/L  | 97       |
| 59) Bromoform                 | 10.291 | 173  | 20649    | 4.923  | ug/L  | 95       |
| 60) Isopropylbenzene          | 10.484 | 105  | 143826   | 5.150  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 29617    | 5.199  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 39654    | 5.025  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 110230   | 5.127  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 71810    | 5.101  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 71639    | 5.230  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 71705    | 5.260  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 6347     | 5.682  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 50556    | 5.041  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 41295    | 5.435  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 84920    | 5.451  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 42532    | 5.522  | ug/L  | 98       |

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

