

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU010822\  
 Data File : VU046700.D  
 Acq On : 08 Jan 2022 11:12  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005144

Quant Time: Jan 10 00:22:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 07 03:14:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 85561    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 88562    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 50745    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.594  | 65    | 30059    | 4.460    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.200%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 24922    | 4.696    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 12802    | 4.505    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.000%  |
| 20) 2-Butanone-d5             | 4.652  | 46    | 101751   | 52.050   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 104.100% |
| 24) Chloroform-d              | 5.060  | 84    | 63724    | 5.160    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.200% |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 36136    | 5.119    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.400% |
| 32) Benzene-d6                | 5.726  | 84    | 121050   | 4.903    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 36798    | 4.960    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.200%  |
| 41) Toluene-d8                | 7.899  | 98    | 109287   | 4.877    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.600%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 16716    | 4.872    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.400%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 101534   | 50.404   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.800% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 39917    | 5.243    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 41911    | 4.484    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.379  | 85    | 56303    | 4.300    | ug/L   | 100      |
| 3) Chloromethane              | 1.517  | 50    | 39860    | 3.535    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.600  | 62    | 42538    | 3.832    | ug/L   | 100      |
| 6) Bromomethane               | 1.858  | 94    | 25697    | 3.846    | ug/L   | 98       |
| 8) Chloroethane               | 1.932  | 64    | 26628    | 4.086    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 69068    | 4.757    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 40394    | 5.465    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 34126    | 4.534    | ug/L   | 78       |
| 13) Acetone                   | 2.684  | 43    | 90741    | 49.509   | ug/L   | 74       |
| 14) Carbon disulfide          | 2.793  | 76    | 76826    | 3.125    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 18562    | 5.014    | ug/L   | 94       |
| 16) Methylene chloride        | 3.044  | 84    | 51652    | 5.640    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73    | 110047   | 5.012    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 35567    | 4.430    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 71901    | 4.861    | ug/L   | 99       |
| 21) 2-Butanone                | 4.732  | 43    | 146812   | 52.797   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 42244    | 4.813    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.977  | 128   | 21243    | 4.863    | ug/L   | 89       |
| 25) Chloroform                | 5.086  | 83    | 81202    | 5.082    | ug/L   | 97       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005144

Quant Time: Jan 10 00:22:09 2022  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 07 03:14:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 53963    | 4.731  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 68667    | 4.689  | ug/L   | 98       |
| 30) Cyclohexane               | 5.388  | 56   | 49854    | 4.115  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 58297    | 4.744  | ug/L   | 99       |
| 33) Benzene                   | 5.774  | 78   | 159339   | 4.528  | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 41392    | 4.462  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 58912    | 4.504  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 43448    | 4.841  | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.105  | 83   | 60181    | 4.844  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 63606    | 4.681  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 328878   | 48.812 | ug/L   | 94       |
| 42) Toluene                   | 7.970  | 91   | 177955   | 4.927  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 59757    | 4.746  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 38983    | 5.036  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 31732    | 4.834  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.690  | 43   | 248166   | 49.319 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 45330    | 5.077  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 36236    | 4.850  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 116031   | 5.026  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 188573   | 5.044  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 74322    | 5.189  | ug/L   | 97       |
| 54) o-Xylene                  | 10.102 | 106  | 72895    | 5.297  | ug/L   | 98       |
| 55) Styrene                   | 10.115 | 104  | 131545   | 5.511  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 51340    | 5.075  | ug/L   | 97       |
| 59) Bromoform                 | 10.291 | 173  | 28349    | 4.836  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.484 | 105  | 196421   | 5.019  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 37972    | 4.506  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 160499   | 4.931  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 166409   | 5.077  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 97550    | 5.128  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 99525    | 5.110  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 94266    | 4.940  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 8381     | 4.296  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 75148    | 5.220  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 62039    | 5.087  | ug/L   | 100      |
| 71) Naphthalene               | 14.086 | 128  | 122624   | 4.528  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 59281    | 4.910  | ug/L   | 97       |

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

