

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061522\  
 Data File : VU049157.D  
 Acq On : 15 Jun 2022 09:21  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005113

Quant Time: Jun 16 04:42:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jun 15 05:38:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 137319   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 125597   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 63872    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 55816    | 4.652    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.000%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 39822    | 4.902    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 22336    | 4.628    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.600%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 163430   | 51.012   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 102.020% |
| 24) Chloroform-d              | 5.067  | 84    | 95183    | 5.056    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 51259    | 4.964    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.200%  |
| 32) Benzene-d6                | 5.729  | 84    | 188433   | 4.980    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 62283    | 4.850    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.000%  |
| 41) Toluene-d8                | 7.899  | 98    | 167482   | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.400%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 26814    | 4.700    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.000%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 108174   | 47.003   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 48118    | 4.680    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 60951    | 4.973    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 62966    | 5.371    | ug/L   | 98       |
| 3) Chloromethane              | 1.523  | 50    | 69262    | 5.382    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604  | 62    | 63464    | 5.497    | ug/L   | 99       |
| 6) Bromomethane               | 1.858  | 94    | 32870    | 5.174    | ug/L   | 100      |
| 8) Chloroethane               | 1.935  | 64    | 34545    | 5.170    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 74083    | 5.530    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 43357    | 5.466    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 41465    | 5.370    | ug/L   | 99       |
| 13) Acetone                   | 2.649  | 43    | 88140    | 55.587   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793  | 76    | 135396   | 5.309    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.957  | 43    | 22842    | 5.386    | ug/L   | 96       |
| 16) Methylene chloride        | 3.047  | 84    | 48052    | 4.730    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 119371   | 5.111    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96    | 44865    | 5.244    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.870  | 63    | 91078    | 5.399    | ug/L   | 96       |
| 21) 2-Butanone                | 4.716  | 43    | 156686   | 51.823   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 49829    | 5.208    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.980  | 128   | 21386    | 5.222    | ug/L   | 98       |
| 25) Chloroform                | 5.089  | 83    | 90663    | 5.355    | ug/L   | 98       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005113

Quant Time: Jun 16 04:42:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jun 15 05:38:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 59201    | 5.309  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 78612    | 5.238  | ug/L   | 99       |
| 30) Cyclohexane               | 5.391  | 56   | 90734    | 5.319  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 66646    | 5.303  | ug/L   | 98       |
| 33) Benzene                   | 5.777  | 78   | 202344   | 5.414  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 51718    | 5.414  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 86908    | 5.424  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 54105    | 5.269  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 65717    | 5.236  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 79733    | 5.108  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 386774   | 50.696 | ug/L   | 99       |
| 42) Toluene                   | 7.970  | 91   | 213361   | 5.384  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 68253    | 5.034  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 35383    | 4.943  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.555  | 164  | 36490    | 5.539  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 280273   | 51.469 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 41808    | 5.119  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 34453    | 5.192  | ug/L   | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 128658   | 5.332  | ug/L   | 100      |
| 52) Ethylbenzene              | 9.571  | 91   | 230131   | 5.317  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 84862    | 5.276  | ug/L   | 100      |
| 54) o-Xylene                  | 10.102 | 106  | 82658    | 5.183  | ug/L   | 96       |
| 55) Styrene                   | 10.115 | 104  | 140959   | 5.277  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 47785    | 5.044  | ug/L   | 99       |
| 59) Bromoform                 | 10.291 | 173  | 23746    | 4.950  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 228300   | 5.247  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 34751    | 4.849  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 197686   | 5.148  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 196992   | 5.178  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 98206    | 5.274  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 96732    | 5.257  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 91679    | 5.175  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 8201     | 4.199  | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 73957    | 5.297  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 60681    | 5.467  | ug/L   | 98       |
| 71) Naphthalene               | 14.085 | 128  | 113006   | 5.123  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 56212    | 5.386  | ug/L   | 100      |

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

