

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041724\  
 Data File : VU058751.D  
 Acq On : 17 Apr 2024 21:37  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005086

Quant Time: Apr 18 05:09:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 18 05:04:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 67044    | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 66139    | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 32517    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 16043    | 3.614    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 72.200%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 12860    | 3.334    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 66.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 8262     | 4.112    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 82.200%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 41409    | 44.268   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 88.540%  |
| 24) Chloroform-d              | 5.052  | 84    | 40667    | 4.589    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 91.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 20201    | 4.885    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 97.800%  |
| 32) Benzene-d6                | 5.718  | 84    | 73822    | 4.146    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 83.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 22973    | 4.114    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 82.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 64208    | 4.066    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 81.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 8415     | 4.855    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 97.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 29878    | 41.791   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 83.580%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 15729    | 3.990    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 79.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 22212    | 4.056    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 81.200%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 36875    | 6.599    | ug/L  | 99       |
| 3) Chloromethane              | 1.512  | 50    | 31822    | 4.653    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 29322    | 4.293    | ug/L  | 99       |
| 6) Bromomethane               | 1.849  | 94    | 15723    | 4.866    | ug/L  | 100      |
| 8) Chloroethane               | 1.927  | 64    | 16233    | 3.762    | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 44370    | 4.919    | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 26596    | 4.962    | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 23816    | 5.012    | ug/L  | 98       |
| 13) Acetone                   | 2.624  | 43    | 31040    | 38.878   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.785  | 76    | 82467    | 5.464    | ug/L  | 97       |
| 15) Methyl Acetate            | 2.943  | 43    | 9083     | 4.822    | ug/L  | 98       |
| 16) Methylene chloride        | 3.033  | 84    | 30092    | 4.772    | ug/L  | 97       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 53293    | 4.748    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96    | 25219    | 5.064    | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 52822    | 4.860    | ug/L  | 98       |
| 21) 2-Butanone                | 4.695  | 43    | 50160    | 42.034   | ug/L  | 95       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 26239    | 4.692    | ug/L  | 97       |
| 23) Bromochloromethane        | 4.965  | 128   | 10607    | 4.814    | ug/L  | 98       |
| 25) Chloroform                | 5.074  | 83    | 52682    | 5.008    | ug/L  | 98       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005086

Quant Time: Apr 18 05:09:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 18 05:04:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 32230    | 5.031  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 46801    | 5.278  | ug/L  | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 45107    | 4.817  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 40899    | 5.446  | ug/L  | 100      |
| 33) Benzene                   | 5.766  | 78   | 111867   | 4.666  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 29773    | 4.927  | ug/L  | 95       |
| 35) Methylcyclohexane         | 6.756  | 83   | 45077    | 4.951  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 29110    | 4.615  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 34877    | 4.844  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 38936    | 4.854  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 133378   | 44.923 | ug/L  | 97       |
| 42) Toluene                   | 7.962  | 91   | 116210   | 4.621  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 30523    | 4.825  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 17408    | 4.725  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 20480    | 4.623  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 97710    | 46.357 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.801  | 129  | 19656    | 4.615  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 15756    | 4.677  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.441  | 112  | 68896    | 4.528  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 126318   | 4.741  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 45873    | 4.809  | ug/L  | 92       |
| 54) o-Xylene                  | 10.094 | 106  | 44697    | 4.779  | ug/L  | 99       |
| 55) Styrene                   | 10.106 | 104  | 75181    | 4.996  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 19563    | 4.305  | ug/L  | 97       |
| 59) Bromoform                 | 10.283 | 173  | 10599    | 4.879  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 122956   | 5.165  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 14800    | 4.461  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 99828    | 5.142  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 98235    | 4.956  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 53330    | 4.612  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 51052    | 4.531  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 46235    | 4.396  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 2695     | 4.790  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 36272    | 4.242  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 24878    | 3.773  | ug/L  | 99       |
| 71) Naphthalene               | 14.084 | 128  | 28106    | 3.111  | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 20104    | 3.692  | ug/L  | 98       |

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

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