

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032924\  
 Data File : VU058300.D  
 Acq On : 30 Mar 2024 03:39  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005173

Quant Time: Mar 30 03:50:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Mar 30 01:09:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 75573    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 72956    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 35588    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 31723    | 4.967    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.400%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 28213    | 5.412    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 108.200% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 12777    | 4.819    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.400%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 60179    | 53.041   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.080% |
| 24) Chloroform-d              | 5.052  | 84    | 57786    | 5.061    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 28049    | 5.255    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.000% |
| 32) Benzene-d6                | 5.718  | 84    | 116348   | 4.910    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 35014    | 5.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.200% |
| 41) Toluene-d8                | 7.891  | 98    | 101387   | 4.830    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 10326    | 4.615    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.200%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 46137    | 50.911   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 23629    | 5.193    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 31900    | 4.814    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 11918    | 3.829    | ug/L   | 96       |
| 3) Chloromethane              | 1.515  | 50    | 15099    | 3.805    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599  | 62    | 18041    | 4.164    | ug/L   | 97       |
| 6) Bromomethane               | 1.853  | 94    | 9566     | 4.117    | ug/L   | 95       |
| 8) Chloroethane               | 1.930  | 64    | 13351    | 4.673    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 30408    | 4.319    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 19409    | 4.295    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 16450    | 4.342    | ug/L   | 92       |
| 13) Acetone                   | 2.650  | 43    | 33162    | 45.162   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.789  | 76    | 30808    | 3.639    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.953  | 43    | 7870     | 5.163    | ug/L   | 96       |
| 16) Methylene chloride        | 3.036  | 84    | 21927    | 4.084    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 47199    | 4.642    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 16864    | 4.259    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 40806    | 4.587    | ug/L   | 96       |
| 21) 2-Butanone                | 4.708  | 43    | 49403    | 44.285   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 22372    | 4.573    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.965  | 128   | 8985     | 4.921    | ug/L   | 99       |
| 25) Chloroform                | 5.078  | 83    | 43463    | 4.659    | ug/L   | 96       |

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 ALS Vial : 44 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD005173

Quant Time: Mar 30 03:50:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Mar 30 01:09:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 25705    | 4.853  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 33752    | 4.474  | ug/L  | 98       |
| 30) Cyclohexane               | 5.377  | 56   | 24682    | 3.746  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 27323    | 4.255  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 86409    | 4.509  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 22547    | 4.517  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.753  | 83   | 25574    | 3.673  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 25021    | 4.674  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 28946    | 4.718  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 30534    | 4.498  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 130788   | 48.322 | ug/L  | 98       |
| 42) Toluene                   | 7.962  | 91   | 91353    | 4.512  | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 24462    | 4.579  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 16326    | 4.842  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.547  | 164  | 14781    | 4.421  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 92269    | 46.812 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.801  | 129  | 17978    | 4.873  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 13866    | 4.777  | ug/L  | 92       |
| 51) Chlorobenzene             | 9.441  | 112  | 59351    | 4.550  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 96924    | 4.287  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 35123    | 4.360  | ug/L  | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 35967    | 4.423  | ug/L  | 99       |
| 55) Styrene                   | 10.107 | 104  | 59927    | 4.668  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 19992    | 5.031  | ug/L  | 98       |
| 59) Bromoform                 | 10.283 | 173  | 9023     | 4.828  | ug/L  | 96       |
| 60) Isopropylbenzene          | 10.476 | 105  | 91218    | 4.267  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 13731    | 4.607  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 74762    | 4.167  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 75172    | 4.218  | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 44595    | 4.479  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 43086    | 4.477  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 41062    | 4.459  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 2573     | 5.725  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 30971    | 4.448  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 22818    | 4.394  | ug/L  | 97       |
| 71) Naphthalene               | 14.081 | 128  | 28230    | 3.992  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 19219    | 4.520  | ug/L  | 98       |

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

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