

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101124\  
 Data File : VU061124.D  
 Acq On : 11 Oct 2024 17:30  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005104

Quant Time: Oct 14 04:20:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 11 06:46:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 153850   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 142319   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 67386    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 43832    | 3.985    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 40492    | 4.918    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 20802    | 4.287    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.800%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 151082   | 57.341   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.680% |
| 24) Chloroform-d              | 5.052  | 84    | 103848   | 5.357    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.200% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 54115    | 5.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.400% |
| 32) Benzene-d6                | 5.718  | 84    | 194333   | 5.179    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.600% |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 65686    | 5.330    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 106.600% |
| 41) Toluene-d8                | 7.891  | 98    | 176892   | 5.043    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.800% |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 26199    | 4.972    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.400%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 132884   | 60.928   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 121.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 53052    | 5.870    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 117.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 61788    | 5.734    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 114.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 35978    | 4.798    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 50052    | 4.622    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.599  | 62    | 54058    | 4.972    | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94    | 19541    | 3.370    | ug/L   | 91       |
| 8) Chloroethane               | 1.927  | 64    | 36323    | 5.508    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 76747    | 5.494    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 49252    | 5.338    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 47738    | 5.373    | ug/L   | 93       |
| 13) Acetone                   | 2.634  | 43    | 83706    | 49.399   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.785  | 76    | 153163   | 5.073    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.949  | 43    | 21439    | 5.196    | ug/L   | 98       |
| 16) Methylene chloride        | 3.036  | 84    | 54006    | 5.295    | ug/L   | 89       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 133816   | 5.264    | ug/L   | # 96     |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 50899    | 5.227    | ug/L   | 91       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 99755    | 5.264    | ug/L   | 99       |
| 21) 2-Butanone                | 4.698  | 43    | 144092   | 51.654   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 59558    | 5.491    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.965  | 128   | 24875    | 5.698    | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83    | 102955   | 5.423    | ug/L   | 97       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005104

Quant Time: Oct 14 04:20:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 11 06:46:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 65642    | 5.250  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 86514    | 5.253  | ug/L   | 96       |
| 30) Cyclohexane               | 5.380  | 56   | 91008    | 4.960  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 75617    | 5.410  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 228783   | 5.453  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 58839    | 5.174  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.753  | 83   | 93119    | 5.070  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 60626    | 5.483  | ug/L # | 98       |
| 38) Bromodichloromethane      | 7.097  | 83   | 73745    | 5.335  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 89625    | 5.170  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 370137   | 52.267 | ug/L   | 96       |
| 42) Toluene                   | 7.962  | 91   | 242276   | 5.421  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 74291    | 5.182  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 39661    | 5.413  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.544  | 164  | 41050    | 5.546  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.676  | 43   | 267156   | 54.413 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.801  | 129  | 47576    | 5.580  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 38184    | 5.505  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 148592   | 5.458  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.563  | 91   | 268845   | 5.308  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 98593    | 5.336  | ug/L   | 93       |
| 54) o-Xylene                  | 10.090 | 106  | 98043    | 5.393  | ug/L   | 90       |
| 55) Styrene                   | 10.107 | 104  | 157217   | 5.359  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 51173    | 5.558  | ug/L   | 97       |
| 59) Bromoform                 | 10.283 | 173  | 25319    | 5.474  | ug/L # | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 244599   | 5.427  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 36158    | 5.462  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 210946   | 5.311  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 211097   | 5.266  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 107091   | 5.544  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 104206   | 5.457  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 99950    | 5.598  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 7666     | 5.310  | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 75426    | 5.545  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 61033    | 5.855  | ug/L   | 98       |
| 71) Naphthalene               | 14.081 | 128  | 120115   | 7.054  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 52299    | 6.029  | ug/L   | 98       |

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

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ALS Vial : 21 Sample Multiplier: 1

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