

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020625\  
 Data File : VU063187.D  
 Acq On : 06 Feb 2025 11:03  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005132

Quant Time: Feb 07 07:25:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 06 07:25:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 86611    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 82389    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152   | 39556    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 20838    | 4.206    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 84.200%  |
| 7) Chloroethane-d5            | 1.901  | 69    | 21223    | 4.616    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 9722     | 4.396    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.000%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 74838    | 45.887   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.780%  |
| 24) Chloroform-d              | 5.049  | 84    | 52921    | 4.831    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 26389    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.600%  |
| 32) Benzene-d6                | 5.714  | 84    | 100508   | 4.677    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 33901    | 4.785    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.600%  |
| 41) Toluene-d8                | 7.888  | 98    | 89815    | 4.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.600%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 12270    | 4.622    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.400%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 59052    | 44.197   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.400%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84    | 28840    | 4.612    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 31564    | 4.779    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 40836    | 5.442    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 40455    | 4.921    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 42649    | 5.125    | ug/L   | 99       |
| 6) Bromomethane               | 1.843  | 94    | 18948    | 4.529    | ug/L   | 98       |
| 8) Chloroethane               | 1.923  | 64    | 26451    | 5.277    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 51248    | 5.483    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101   | 32893    | 5.725    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 30099    | 5.347    | ug/L   | 91       |
| 13) Acetone                   | 2.612  | 43    | 47559    | 46.307   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.782  | 76    | 102538   | 5.187    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.939  | 43    | 13100    | 4.670    | ug/L   | 98       |
| 16) Methylene chloride        | 3.030  | 84    | 35138    | 5.218    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 76604    | 4.938    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96    | 32621    | 5.419    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 62874    | 5.195    | ug/L   | 97       |
| 21) 2-Butanone                | 4.682  | 43    | 80548    | 47.236   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.650  | 96    | 36664    | 5.460    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.959  | 128   | 15743    | 5.226    | ug/L   | 97       |
| 25) Chloroform                | 5.071  | 83    | 64113    | 5.383    | 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 :  
 VSTD005132

Quant Time: Feb 07 07:25:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 06 07:25:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 39670    | 5.055  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 52257    | 5.359  | ug/L  | 98       |
| 30) Cyclohexane               | 5.373  | 56   | 56520    | 5.476  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 44250    | 5.378  | ug/L  | 100      |
| 33) Benzene                   | 5.759  | 78   | 144012   | 5.312  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 36791    | 5.343  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 57770    | 5.599  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 38435    | 5.315  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.094  | 83   | 44891    | 5.170  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 53908    | 5.228  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 203098   | 47.584 | ug/L  | 100      |
| 42) Toluene                   | 7.959  | 91   | 152603   | 5.385  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 44637    | 5.171  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 26861    | 5.030  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.544  | 164  | 26386    | 5.456  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.672  | 43   | 142454   | 47.309 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.798  | 129  | 28212    | 5.019  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 24782    | 5.059  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.438  | 112  | 91326    | 5.339  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 160958   | 5.430  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 61335    | 5.736  | ug/L  | 98       |
| 54) o-Xylene                  | 10.090 | 106  | 58345    | 5.503  | ug/L  | 99       |
| 55) Styrene                   | 10.106 | 104  | 96941    | 5.555  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.769 | 83   | 33022    | 4.817  | ug/L  | 100      |
| 59) Bromoform                 | 10.280 | 173  | 16976    | 4.978  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.473 | 105  | 156967   | 5.588  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 22900    | 4.797  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 126232   | 5.697  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 122909   | 5.769  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 69157    | 5.434  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 68278    | 5.336  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 65103    | 5.474  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.984 | 75   | 4567     | 4.782  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 49037    | 5.639  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 37143    | 5.429  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 54732    | 4.875  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 32543    | 5.324  | ug/L  | 99       |

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

