

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020725\  
 Data File : VU063212.D  
 Acq On : 07 Feb 2025 09:09  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 10 15:31:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Feb 10 15:31:39 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114            | 80284    | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117            | 75099    | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152            | 36218    | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65             | 18153    | 3.953  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 79.000% |          |
| 7) Chloroethane-d5            | 1.901  | 69             | 18175    | 4.264  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 85.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65             | 8235     | 4.017  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 80.400% |          |
| 20) 2-Butanone-d5             | 4.605  | 46             | 67668    | 44.761 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 89.520% |          |
| 24) Chloroform-d              | 5.049  | 84             | 47065    | 4.635  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 92.800% |          |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65             | 23049    | 4.414  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 88.200% |          |
| 32) Benzene-d6                | 5.714  | 84             | 85650    | 4.372  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.400% |          |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67             | 29785    | 4.612  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 92.200% |          |
| 41) Toluene-d8                | 7.888  | 98             | 75987    | 4.391  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 87.800% |          |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79             | 10498    | 4.338  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 86.800% |          |
| 46) 2-Hexanone-d5             | 8.621  | 63             | 50490    | 41.457 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 82.920% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84             | 25314    | 4.441  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 88.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152            | 26538    | 4.388  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 87.800% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85             | 38675    | 5.560  | ug/L    | 99       |
| 3) Chloromethane              | 1.515  | 50             | 39943    | 5.242  | ug/L    | 100      |
| 5) Vinyl chloride             | 1.599  | 62             | 42274    | 5.481  | ug/L    | 98       |
| 6) Bromomethane               | 1.840  | 94             | 19755    | 5.094  | ug/L    | 97       |
| 8) Chloroethane               | 1.920  | 64             | 25126    | 5.408  | ug/L    | 97       |
| 9) Trichlorofluoromethane     | 2.129  | 101            | 49848    | 5.754  | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101            | 31375    | 5.891  | ug/L    | 99       |
| 12) 1,1-Dichloroethene        | 2.570  | 96             | 29393    | 5.633  | ug/L    | 85       |
| 13) Acetone                   | 2.612  | 43             | 46113    | 48.438 | ug/L    | 99       |
| 14) Carbon disulfide          | 2.782  | 76             | 97591    | 5.326  | ug/L    | 98       |
| 15) Methyl Acetate            | 2.940  | 43             | 12863    | 4.947  | ug/L    | 100      |
| 16) Methylene chloride        | 3.030  | 84             | 33291    | 5.333  | ug/L    | 98       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73             | 73991    | 5.145  | ug/L    | 99       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96             | 31392    | 5.626  | ug/L    | 98       |
| 19) 1,1-Dichloroethane        | 3.853  | 63             | 61497    | 5.482  | ug/L    | 97       |
| 21) 2-Butanone                | 4.685  | 43             | 78819    | 49.865 | ug/L    | 98       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96             | 35075    | 5.635  | ug/L    | 98       |
| 23) Bromochloromethane        | 4.959  | 128            | 15473    | 5.541  | ug/L    | 94       |
| 25) Chloroform                | 5.071  | 83             | 61302    | 5.552  | ug/L    | 98       |

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 Sample : VSTDCCC005  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 10 15:31:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Feb 10 15:31:39 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 38312    | 5.267  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 51346    | 5.776  | ug/L  | 98       |
| 30) Cyclohexane               | 5.374  | 56   | 52339    | 5.563  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.512  | 117  | 43426    | 5.790  | ug/L  | 100      |
| 33) Benzene                   | 5.763  | 78   | 137307   | 5.556  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 35933    | 5.725  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 54820    | 5.829  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 36588    | 5.551  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.094  | 83   | 43673    | 5.518  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 51163    | 5.443  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 194507   | 49.995 | ug/L  | 100      |
| 42) Toluene                   | 7.959  | 91   | 147567   | 5.713  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 42775    | 5.436  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 25600    | 5.259  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.544  | 164  | 26117    | 5.925  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.672  | 43   | 136724   | 49.814 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.798  | 129  | 27926    | 5.450  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 24015    | 5.379  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.438  | 112  | 87001    | 5.580  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 152493   | 5.644  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 58165    | 5.968  | ug/L  | 97       |
| 54) o-Xylene                  | 10.090 | 106  | 54868    | 5.678  | ug/L  | 96       |
| 55) Styrene                   | 10.106 | 104  | 91135    | 5.729  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 32036    | 5.127  | ug/L  | 99       |
| 59) Bromoform                 | 10.280 | 173  | 15881    | 5.086  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.473 | 105  | 147314   | 5.728  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 21498    | 4.919  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 117334   | 5.784  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 113662   | 5.826  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 65666    | 5.635  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 65632    | 5.602  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 59998    | 5.510  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 4323     | 4.944  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 45388    | 5.701  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 33221    | 5.303  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 43526    | 4.234  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 28308    | 5.058  | ug/L  | 98       |

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

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