

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091725\  
 Data File : VU063605.D  
 Acq On : 17 Sep 2025 15:06  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 28mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005145

Quant Time: Sep 18 06:27:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 18 06:17:12 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114   | 162625   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 150866   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 76085    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 36505    | 4.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.400%  |
| 7) Chloroethane-d5            | 1.898  | 69    | 35483    | 4.415    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 17138    | 4.297    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.000%  |
| 20) 2-Butanone-d5             | 4.615  | 46    | 112930   | 46.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.880%  |
| 24) Chloroform-d              | 5.049  | 84    | 89439    | 4.477    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 47421    | 4.451    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 32) Benzene-d6                | 5.718  | 84    | 165326   | 4.563    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 52647    | 4.490    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.800%  |
| 41) Toluene-d8                | 7.888  | 98    | 150926   | 4.643    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 14099    | 4.392    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.800%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 78290    | 46.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 43341    | 4.585    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 54727    | 4.630    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 60335    | 4.662    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 66362    | 4.632    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.596  | 62    | 72368    | 4.720    | ug/L   | 96       |
| 6) Bromomethane               | 1.840  | 94    | 42422    | 4.683    | ug/L   | 98       |
| 8) Chloroethane               | 1.920  | 64    | 46220    | 4.885    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.126  | 101   | 95482    | 4.759    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101   | 54065    | 4.764    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.567  | 96    | 48853    | 4.644    | ug/L   | 88       |
| 13) Acetone                   | 2.618  | 43    | 95254    | 45.077   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.779  | 76    | 125349   | 4.510    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.946  | 43    | 21658    | 4.525    | ug/L   | 100      |
| 16) Methylene chloride        | 3.030  | 84    | 69850    | 5.674    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 123592   | 4.766    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.342  | 96    | 53162    | 4.891    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 104558   | 4.723    | ug/L   | 98       |
| 21) 2-Butanone                | 4.695  | 43    | 136991   | 44.687   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.650  | 96    | 59454    | 4.810    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.962  | 128   | 26779    | 4.891    | ug/L   | 96       |
| 25) Chloroform                | 5.075  | 83    | 109347   | 4.818    | ug/L   | 98       |

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 Acq On : 17 Sep 2025 15:06  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 28mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005145

Quant Time: Sep 18 06:27:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 18 06:17:12 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 72348    | 4.810  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 82617    | 4.779  | ug/L  | 99       |
| 30) Cyclohexane               | 5.374  | 56   | 99215    | 4.865  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 65459    | 4.836  | ug/L  | 100      |
| 33) Benzene                   | 5.763  | 78   | 229752   | 4.873  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 63328    | 4.898  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.750  | 83   | 96830    | 4.909  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 62577    | 4.900  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.094  | 83   | 67578    | 4.947  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 70440    | 4.863  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 363798   | 49.766 | ug/L  | 100      |
| 42) Toluene                   | 7.959  | 91   | 250249   | 4.949  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 51747    | 4.863  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 43811    | 5.011  | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.544  | 164  | 48253    | 4.888  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.672  | 43   | 251071   | 48.960 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.798  | 129  | 38823    | 4.857  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 39081    | 5.010  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.438  | 112  | 159201   | 4.862  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 275503   | 4.950  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 101580   | 4.865  | ug/L  | 96       |
| 54) o-Xylene                  | 10.090 | 106  | 101561   | 5.026  | ug/L  | 98       |
| 55) Styrene                   | 10.107 | 104  | 164865   | 4.974  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 50396    | 4.825  | ug/L  | 95       |
| 59) Bromoform                 | 10.280 | 173  | 19939    | 4.840  | ug/L  | 95       |
| 60) Isopropylbenzene          | 10.476 | 105  | 271356   | 4.958  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 37709    | 5.000  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 224523   | 5.045  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 215000   | 5.059  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 121100   | 4.937  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 124826   | 5.041  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 112496   | 4.913  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 6180     | 5.307  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 87858    | 4.786  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 82600    | 5.831  | ug/L  | 100      |
| 71) Naphthalene               | 14.081 | 128  | 92045    | 4.342  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 56727    | 4.664  | ug/L  | 97       |

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

