

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012025\  
 Data File : VU062907.D  
 Acq On : 20 Jan 2025 09:48  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005111

Quant Time: Jan 21 02:35:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 17 23:41:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114   | 89344    | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 83054    | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 46018    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 17588    | 3.554    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 71.000%  |
| 7) Chloroethane-d5            | 1.898  | 69    | 17092    | 4.294    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 85.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 10495    | 4.094    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 81.800%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 57566    | 56.922   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 113.840% |
| 24) Chloroform-d              | 5.049  | 84    | 58796    | 4.829    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 96.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 32371    | 4.902    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 98.000%  |
| 32) Benzene-d6                | 5.714  | 84    | 89547    | 4.411    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 88.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.676  | 67    | 26779    | 4.757    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 95.200%  |
| 41) Toluene-d8                | 7.888  | 98    | 86979    | 4.397    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 88.000%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 13619    | 4.854    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 97.000%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 46958    | 53.211   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 106.420% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84    | 25311    | 5.369    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 107.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 36158    | 4.723    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 94.400%  |
|                               |        |       |          |          |       |          |
| Target Compounds              | Qvalue |       |          |          |       |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 43901    | 5.158    | ug/L  | 99       |
| 3) Chloromethane              | 1.512  | 50    | 26398    | 4.622    | ug/L  | 96       |
| 5) Vinyl chloride             | 1.599  | 62    | 30852    | 4.797    | ug/L  | 97       |
| 6) Bromomethane               | 1.837  | 94    | 18063    | 3.860    | ug/L  | 96       |
| 8) Chloroethane               | 1.917  | 64    | 19887    | 5.146    | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.126  | 101   | 68299    | 5.264    | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101   | 33190    | 5.295    | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 28173    | 5.080    | ug/L  | 90       |
| 13) Acetone                   | 2.612  | 43    | 41179    | 51.400   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.782  | 76    | 83669    | 4.723    | ug/L  | 98       |
| 15) Methyl Acetate            | 2.940  | 43    | 9554     | 5.508    | ug/L  | 98       |
| 16) Methylene chloride        | 3.030  | 84    | 31348    | 5.160    | ug/L  | 97       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 81309    | 5.334    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.342  | 96    | 29587    | 4.979    | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.853  | 63    | 55782    | 5.251    | ug/L  | 93       |
| 21) 2-Butanone                | 4.686  | 43    | 56998    | 53.421   | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 33795    | 5.223    | ug/L  | 98       |
| 23) Bromochloromethane        | 4.959  | 128   | 16121    | 5.277    | ug/L  | 95       |
| 25) Chloroform                | 5.071  | 83    | 68874    | 5.268    | ug/L  | 99       |

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 Acq On : 20 Jan 2025 09:48  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005111

Quant Time: Jan 21 02:35:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 17 23:41:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 46542    | 5.444  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 67956    | 5.394  | ug/L   | 100      |
| 30) Cyclohexane               | 5.377  | 56   | 41517    | 5.047  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 63708    | 5.503  | ug/L   | 98       |
| 33) Benzene                   | 5.763  | 78   | 124359   | 5.211  | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 36065    | 4.424  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.750  | 83   | 50901    | 5.075  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 29821    | 5.298  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.094  | 83   | 49230    | 5.438  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 51367    | 5.360  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 144995   | 55.142 | ug/L   | 100      |
| 42) Toluene                   | 7.959  | 91   | 138802   | 5.308  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 46082    | 5.577  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 24641    | 5.390  | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.544  | 164  | 29856    | 5.318  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.672  | 43   | 105129   | 55.611 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.798  | 129  | 33992    | 5.538  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 23355    | 5.340  | ug/L   | 100      |
| 51) Chlorobenzene             | 9.438  | 112  | 90445    | 5.289  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.560  | 91   | 158624   | 5.346  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.682  | 106  | 60158    | 5.421  | ug/L   | 99       |
| 54) o-Xylene                  | 10.090 | 106  | 56723    | 5.336  | ug/L   | 97       |
| 55) Styrene                   | 10.103 | 104  | 97228    | 5.468  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 27944    | 5.449  | ug/L # | 92       |
| 59) Bromoform                 | 10.280 | 173  | 20714    | 5.161  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.473 | 105  | 163396   | 5.153  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 20831    | 5.103  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 144389   | 5.357  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 136672   | 5.242  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 75422    | 5.130  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 74583    | 5.031  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 70744    | 5.134  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5383     | 5.091  | ug/L   | 83       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 58336    | 5.269  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 41487    | 4.652  | ug/L   | 98       |
| 71) Naphthalene               | 14.081 | 128  | 49978    | 3.830  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 35825    | 4.609  | ug/L   | 96       |

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

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Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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QLast Update : Fri Jan 17 23:41:19 2025  
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