

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040325\  
 Data File : VU063333.D  
 Acq On : 03 Apr 2025 17:15  
 Operator : MD/SY  
 Sample : VSTDICV005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV017

Quant Time: Apr 04 10:08:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040325WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 04 09:52:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 191766   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 189116   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 90701    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 65109    | 4.91     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.20%   |
| 7) Chloroethane-d5            | 1.901  | 69    | 62217    | 4.88     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 30470    | 5.08     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.60%  |
| 20) 2-Butanone-d5             | 4.608  | 46    | 192946   | 50.40    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.80%  |
| 24) Chloroform-d              | 5.049  | 84    | 145204   | 5.00     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 73132    | 5.03     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.60%  |
| 32) Benzene-d6                | 5.714  | 84    | 288599   | 5.11     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.20%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 93334    | 5.09     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.80%  |
| 41) Toluene-d8                | 7.888  | 98    | 255039   | 5.23     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.60%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 28131    | 5.18     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 103.60%  |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 144990   | 52.44    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.88%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84    | 77863    | 4.98     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.60%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 81890    | 5.07     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.40%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 95280    | 4.84     | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 106999   | 4.82     | ug/L   | 97       |
| 5) Vinyl chloride             | 1.599  | 62    | 105838   | 4.76     | ug/L   | 99       |
| 6) Bromomethane               | 1.840  | 94    | 57795    | 4.91     | ug/L   | 97       |
| 8) Chloroethane               | 1.920  | 64    | 61123    | 4.82     | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.126  | 101   | 114491   | 4.88     | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101   | 69422    | 4.90     | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.567  | 96    | 66342    | 4.89     | ug/L   | 99       |
| 13) Acetone                   | 2.615  | 43    | 119830   | 47.11    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.779  | 76    | 235377   | 4.86     | ug/L   | 99       |
| 15) Methyl Acetate            | 2.943  | 43    | 33225    | 4.86     | ug/L   | 100      |
| 16) Methylene chloride        | 3.033  | 84    | 81936    | 4.76     | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 171429   | 4.97     | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.341  | 96    | 71996    | 4.96     | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 145043   | 4.88     | ug/L   | 98       |
| 21) 2-Butanone                | 4.689  | 43    | 209053   | 52.12    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 80077    | 4.94     | ug/L   | 98       |
| 23) Bromochloromethane        | 4.962  | 128   | 35862    | 4.78     | ug/L   | 96       |
| 25) Chloroform                | 5.074  | 83    | 143386   | 4.84     | ug/L   | 100      |

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 Sample : VSTDICV005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV017

Quant Time: Apr 04 10:08:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040325WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 04 09:52:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 93307    | 4.93  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 115850   | 5.00  | ug/L  | 100      |
| 30) Cyclohexane               | 5.377  | 56   | 125739   | 5.04  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 97937    | 4.93  | ug/L  | 100      |
| 33) Benzene                   | 5.763  | 78   | 327657   | 5.11  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 80704    | 4.98  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 120452   | 5.10  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 86957    | 4.89  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.094  | 83   | 102453   | 4.86  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 118407   | 5.05  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 514690   | 52.47 | ug/L  | 100      |
| 42) Toluene                   | 7.959  | 91   | 343040   | 5.16  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 100427   | 5.05  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 61645    | 4.95  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.544  | 164  | 58707    | 5.06  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.672  | 43   | 371988   | 53.89 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.798  | 129  | 65521    | 4.93  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 57391    | 4.98  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.438  | 112  | 202307   | 4.91  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 346249   | 5.11  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 130784   | 5.29  | ug/L  | 95       |
| 54) o-Xylene                  | 10.090 | 106  | 123357   | 5.20  | ug/L  | 99       |
| 55) Styrene                   | 10.106 | 104  | 212804   | 5.37  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 80644    | 4.95  | ug/L  | 99       |
| 59) Bromoform                 | 10.280 | 173  | 38450    | 4.75  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.473 | 105  | 332026   | 5.25  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 54734    | 4.82  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 253253   | 5.13  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 245941   | 5.35  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 153218   | 5.07  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 154500   | 5.13  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 144042   | 5.00  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 11552    | 4.87  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 103712   | 5.07  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 78581    | 5.47  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 127486   | 6.04  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 72005    | 5.61  | ug/L  | 99       |

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

