

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031324\  
 Data File : VU058071.D  
 Acq On : 13 Mar 2024 09:08  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005151

Quant Time: Mar 14 04:32:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 13 01:58:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 148087   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 139489   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 67973    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 35532    | 3.335    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 66.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 35774    | 4.085    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 17065    | 3.701    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.000%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 102064   | 58.139   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 116.280% |
| 24) Chloroform-d              | 5.052  | 84    | 94838    | 4.706    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 44321    | 4.854    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 32) Benzene-d6                | 5.718  | 84    | 174679   | 4.297    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 56792    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 154608   | 4.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 18487    | 4.350    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 82460    | 57.795   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 115.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 39911    | 5.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 50013    | 4.468    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 42330    | 4.718    | ug/L   | 98       |
| 3) Chloromethane              | 1.515  | 50    | 47320    | 4.510    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 52517    | 4.654    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 27129    | 4.564    | ug/L   | 97       |
| 8) Chloroethane               | 1.927  | 64    | 34488    | 4.853    | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 78119    | 4.859    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 51237    | 5.098    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 42968    | 4.809    | ug/L   | 91       |
| 13) Acetone                   | 2.624  | 43    | 68214    | 52.213   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.785  | 76    | 120992   | 4.379    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.949  | 43    | 15718    | 5.421    | ug/L   | 93       |
| 16) Methylene chloride        | 3.036  | 84    | 49586    | 4.566    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 103986   | 4.921    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 45789    | 4.705    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 97939    | 5.045    | ug/L   | 97       |
| 21) 2-Butanone                | 4.698  | 43    | 101868   | 49.484   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 52092    | 4.866    | ug/L   | 93       |
| 23) Bromochloromethane        | 4.965  | 128   | 20613    | 5.185    | ug/L   | 97       |
| 25) Chloroform                | 5.078  | 83    | 100091   | 5.050    | ug/L   | 100      |

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 Acq On : 13 Mar 2024 09:08  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005151

Quant Time: Mar 14 04:32:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 13 01:58:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 54986    | 5.011  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 81602    | 4.915  | ug/L   | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 76236    | 4.547  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 71336    | 4.945  | ug/L   | 99       |
| 33) Benzene                   | 5.766  | 78   | 209193   | 4.887  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 55652    | 4.941  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.756  | 83   | 81076    | 4.696  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 54894    | 4.974  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 66826    | 4.990  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 73858    | 4.857  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 262008   | 51.602 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 217169   | 4.872  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 59113    | 4.878  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 33954    | 5.188  | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.550  | 164  | 38370    | 4.911  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 188561   | 50.640 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 40003    | 5.164  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 30800    | 5.303  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 136061   | 4.867  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.563  | 91   | 243487   | 4.881  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 88842    | 4.985  | ug/L   | 98       |
| 54) o-Xylene                  | 10.094 | 106  | 85624    | 4.820  | ug/L   | 98       |
| 55) Styrene                   | 10.110 | 104  | 139918   | 5.019  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 39727    | 5.153  | ug/L   | 99       |
| 59) Bromoform                 | 10.286 | 173  | 19119    | 5.043  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 222427   | 4.913  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 29208    | 5.246  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 187785   | 4.918  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 185775   | 4.930  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 102956   | 5.004  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 99872    | 4.959  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 90068    | 5.014  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 6267     | 5.673  | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 71430    | 4.826  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 52344    | 4.707  | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 62441    | 4.111  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 41574    | 4.733  | ug/L   | 97       |

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

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Sample : VSTDCCC005  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
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