

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101024\  
 Data File : VU061101.D  
 Acq On : 10 Oct 2024 20:03  
 Operator : MD/SY  
 Sample : P4380-02MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E27H4MS

Quant Time: Oct 11 06:52:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 11 06:46:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 171674   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 158192   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 78529    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 38846    | 3.165    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.200%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 34420    | 3.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 75.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 17970    | 3.319    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 66.400%  |
| 20) 2-Butanone-d5             | 4.644  | 46    | 104308   | 35.479   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 70.960%  |
| 24) Chloroform-d              | 5.052  | 84    | 89613    | 4.143    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 44289    | 3.863    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.200%  |
| 32) Benzene-d6                | 5.718  | 84    | 163194   | 3.912    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 78.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 54904    | 4.008    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 80.200%  |
| 41) Toluene-d8                | 7.888  | 98    | 150808   | 3.868    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 22042    | 3.763    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 75.200%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 104234   | 42.996   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 43689    | 4.349    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 87.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 54007    | 4.301    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 86.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 42953    | 5.133    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 56899    | 4.709    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.599  | 62    | 61762    | 5.091    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 23874    | 3.689    | ug/L   | 97       |
| 8) Chloroethane               | 1.927  | 64    | 39582    | 5.379    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 86807    | 5.569    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 56284    | 5.467    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.570  | 96    | 54071    | 5.454    | ug/L   | 91       |
| 13) Acetone                   | 2.670  | 43    | 108350   | 57.303   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.785  | 76    | 180324   | 5.353    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.959  | 43    | 27487    | 5.971    | ug/L # | 87       |
| 16) Methylene chloride        | 3.036  | 84    | 60263    | 5.295    | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 150505   | 5.306    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 57595    | 5.300    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 116427   | 5.506    | ug/L   | 99       |
| 21) 2-Butanone                | 4.724  | 43    | 141674   | 45.515   | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 68466    | 5.657    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.965  | 128   | 27125    | 5.568    | ug/L # | 88       |
| 25) Chloroform                | 5.078  | 83    | 113845   | 5.374    | ug/L   | 97       |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 11 06:46:55 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 71342    | 5.113  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 97615    | 5.333  | ug/L   | 96       |
| 30) Cyclohexane               | 5.377  | 56   | 106799   | 5.237  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 85957    | 5.533  | ug/L   | 99       |
| 33) Benzene                   | 5.766  | 78   | 310205   | 6.652  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 67719    | 5.357  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.753  | 83   | 109068   | 5.342  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 66446    | 5.407  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.097  | 83   | 83619    | 5.443  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 101880   | 5.287  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 415055   | 52.728 | ug/L   | 96       |
| 42) Toluene                   | 7.962  | 91   | 287798   | 5.793  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 82238    | 5.161  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 44545    | 5.469  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.544  | 164  | 47026    | 5.716  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 281995   | 51.672 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 53636    | 5.660  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 42277    | 5.483  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 172130   | 5.688  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.563  | 91   | 310496   | 5.515  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 113084   | 5.506  | ug/L   | 89       |
| 54) o-Xylene                  | 10.090 | 106  | 112828   | 5.584  | ug/L   | 94       |
| 55) Styrene                   | 10.107 | 104  | 170202   | 5.219  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 57244    | 5.593  | ug/L   | 98       |
| 59) Bromoform                 | 10.283 | 173  | 28784    | 5.340  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 282270   | 5.374  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 39424    | 5.110  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 243311   | 5.257  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 248787   | 5.325  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 127261   | 5.653  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 125061   | 5.620  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 117425   | 5.644  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 8766     | 5.210  | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 92054    | 5.807  | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 77440    | 6.375  | ug/L   | 97       |
| 71) Naphthalene               | 14.077 | 128  | 217657   | 10.969 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 65300    | 6.460  | ug/L   | 97       |

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

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