

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102524\  
 Data File : VU061214.D  
 Acq On : 25 Oct 2024 09:08  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005108

Quant Time: Oct 26 00:26:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 25 02:35:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 206031   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 188063   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 89945    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 53469    | 3.820    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.400%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 44612    | 3.477    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 69.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 24214    | 4.044    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.800%  |
| 20) 2-Butanone-d5             | 4.634  | 46    | 134228   | 47.238   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.480%  |
| 24) Chloroform-d              | 5.052  | 84    | 118209   | 4.450    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 57310    | 4.328    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.600%  |
| 32) Benzene-d6                | 5.718  | 84    | 231307   | 4.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 70604    | 4.432    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 214132   | 4.322    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 27853    | 4.283    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.600%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 121908   | 45.769   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 55394    | 4.598    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 71666    | 4.500    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 66395    | 4.834    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 63515    | 4.385    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 70736    | 4.442    | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94    | 45548    | 4.316    | ug/L   | 98       |
| 8) Chloroethane               | 1.930  | 64    | 47203    | 4.026    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 109143   | 5.046    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 63323    | 4.930    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 58319    | 4.788    | ug/L   | 94       |
| 13) Acetone                   | 2.657  | 43    | 85620    | 47.573   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.785  | 76    | 189638   | 4.666    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.959  | 43    | 20490    | 4.598    | ug/L   | 96       |
| 16) Methylene chloride        | 3.039  | 84    | 67441    | 4.698    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 159734   | 4.838    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 64624    | 4.798    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 120326   | 4.736    | ug/L   | 99       |
| 21) 2-Butanone                | 4.714  | 43    | 142285   | 49.869   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 75674    | 4.919    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.965  | 128   | 32328    | 4.994    | ug/L   | 98       |
| 25) Chloroform                | 5.078  | 83    | 129400   | 4.845    | ug/L   | 99       |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005108

Quant Time: Oct 26 00:26:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 25 02:35:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 79669    | 4.720  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 113805   | 4.942  | ug/L  | 100      |
| 30) Cyclohexane               | 5.377  | 56   | 115154   | 4.985  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.515  | 117  | 97240    | 4.935  | ug/L  | 96       |
| 33) Benzene                   | 5.766  | 78   | 284569   | 4.893  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 78278    | 4.948  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.756  | 83   | 125455   | 4.982  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 72802    | 4.938  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 92210    | 4.942  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 111019   | 4.876  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 359282   | 48.967 | ug/L  | 99       |
| 42) Toluene                   | 7.962  | 91   | 308974   | 4.892  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 90559    | 4.881  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 52609    | 4.959  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.544  | 164  | 55821    | 5.052  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 250064   | 48.196 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 58499    | 4.862  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 49717    | 4.824  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.438  | 112  | 195466   | 4.896  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 341112   | 4.910  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 130492   | 4.930  | ug/L  | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 127383   | 4.877  | ug/L  | 98       |
| 55) Styrene                   | 10.107 | 104  | 203099   | 4.850  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 61526    | 4.813  | ug/L  | 100      |
| 59) Bromoform                 | 10.283 | 173  | 31662    | 4.755  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 337930   | 4.918  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 43192    | 4.821  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 273871   | 4.896  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 266798   | 4.825  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 142090   | 4.914  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 141952   | 4.815  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 129436   | 4.756  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 8738     | 4.645  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 97816    | 4.934  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 77564    | 4.849  | ug/L  | 97       |
| 71) Naphthalene               | 14.081 | 128  | 110920   | 4.394  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 62880    | 4.698  | ug/L  | 100      |

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

