

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072924\  
 Data File : VU060245.D  
 Acq On : 29 Jul 2024 10:32  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005160

Quant Time: Jul 30 04:19:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 26 23:14:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 137003   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 142373   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 70123    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 43639    | 4.578    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.600%   |
| 7) Chloroethane-d5            | 1.907  | 69    | 43091    | 4.866    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 17353    | 4.663    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.200%   |
| 20) 2-Butanone-d5             | 4.621  | 46    | 149112   | 66.909   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 133.820%# |
| 24) Chloroform-d              | 5.055  | 84    | 108873   | 5.435    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 108.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 51363    | 5.506    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 110.200%  |
| 32) Benzene-d6                | 5.721  | 84    | 192043   | 5.035    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 69554    | 5.722    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 114.400%  |
| 41) Toluene-d8                | 7.891  | 98    | 163481   | 4.743    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%   |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 22017    | 5.321    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 106.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 110161   | 59.998   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 120.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 64441    | 5.957    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 119.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 66148    | 5.226    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.600%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 48147    | 4.648    | ug/L   | 98        |
| 3) Chloromethane              | 1.515  | 50    | 63500    | 5.075    | ug/L   | 100       |
| 5) Vinyl chloride             | 1.602  | 62    | 72376    | 5.159    | ug/L   | 97        |
| 6) Bromomethane               | 1.853  | 94    | 44138    | 4.833    | ug/L   | 98        |
| 8) Chloroethane               | 1.930  | 64    | 47124    | 5.143    | ug/L   | 98        |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 90204    | 5.099    | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 59385    | 5.144    | ug/L   | 95        |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 52652    | 5.035    | ug/L   | 96        |
| 13) Acetone                   | 2.634  | 43    | 91831    | 62.292   | ug/L   | 95        |
| 14) Carbon disulfide          | 2.788  | 76    | 146110   | 4.799    | ug/L   | 97        |
| 15) Methyl Acetate            | 2.952  | 43    | 22306    | 6.152    | ug/L   | 89        |
| 16) Methylene chloride        | 3.039  | 84    | 65646    | 5.120    | ug/L   | 97        |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 126375   | 5.299    | ug/L   | 97        |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 54406    | 5.002    | ug/L   | 91        |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 114775   | 5.557    | ug/L   | 97        |
| 21) 2-Butanone                | 4.702  | 43    | 143215   | 61.369   | ug/L   | 97        |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 64570    | 5.300    | ug/L   | 95        |
| 23) Bromochloromethane        | 4.968  | 128   | 28568    | 4.825    | ug/L   | 85        |
| 25) Chloroform                | 5.081  | 83    | 121073   | 5.330    | ug/L   | 99        |

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 Acq On : 29 Jul 2024 10:32  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005160

Quant Time: Jul 30 04:19:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 26 23:14:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 66403    | 5.114  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 91756    | 5.160  | ug/L   | 96       |
| 30) Cyclohexane               | 5.380  | 56   | 79001    | 5.617  | ug/L   | 92       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 79832    | 5.204  | ug/L   | 98       |
| 33) Benzene                   | 5.769  | 78   | 259057   | 5.508  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 64913    | 5.204  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.756  | 83   | 86343    | 5.280  | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 71344    | 5.615  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 83622    | 5.253  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 91635    | 5.519  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 339624   | 60.404 | ug/L   | 98       |
| 42) Toluene                   | 7.962  | 91   | 273574   | 5.466  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 74366    | 5.361  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 50269    | 5.177  | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 47315    | 4.588  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.679  | 43   | 260082   | 63.176 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 52625    | 4.900  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 43751    | 4.984  | ug/L # | 100      |
| 51) Chlorobenzene             | 9.441  | 112  | 167690   | 5.128  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.566  | 91   | 274050   | 5.490  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.688  | 106  | 101389   | 5.258  | ug/L   | 95       |
| 54) o-Xylene                  | 10.097 | 106  | 99742    | 5.409  | ug/L   | 93       |
| 55) Styrene                   | 10.110 | 104  | 175550   | 5.593  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 63658    | 5.359  | ug/L   | 95       |
| 59) Bromoform                 | 10.283 | 173  | 31155    | 4.889  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 268317   | 5.850  | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 41367    | 5.595  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 202688   | 5.784  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 197178   | 5.823  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 130001   | 5.268  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 129677   | 5.162  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 121265   | 5.133  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 8418     | 5.842  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 92844    | 4.985  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 70806    | 4.995  | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 105202   | 5.238  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 63915    | 5.013  | ug/L   | 98       |

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

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Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005160

Quant Time: Jul 30 04:19:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR071824WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jul 26 23:14:26 2024  
Response via : Initial Calibration

