

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110524\  
 Data File : VU061445.D  
 Acq On : 05 Nov 2024 09:41  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005122

Quant Time: Nov 05 23:55:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 05 04:38:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 156134   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 148527   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 73002    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 40545    | 3.823    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.400%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 41612    | 4.280    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 19296    | 4.252    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.000%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 106226   | 49.330   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.660%  |
| 24) Chloroform-d              | 5.055  | 84    | 101998   | 5.066    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.400% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 48329    | 4.816    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 193232   | 4.617    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 58982    | 4.688    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.800%  |
| 41) Toluene-d8                | 7.891  | 98    | 182716   | 4.669    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.400%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 21584    | 4.202    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.000%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 96897    | 46.063   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 46694    | 4.908    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 60431    | 4.675    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 53250    | 5.116    | ug/L   | 97       |
| 3) Chloromethane              | 1.515  | 50    | 48331    | 4.403    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 56316    | 4.666    | ug/L   | 99       |
| 6) Bromomethane               | 1.853  | 94    | 38023    | 4.755    | ug/L   | 100      |
| 8) Chloroethane               | 1.930  | 64    | 40781    | 4.590    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 85310    | 5.204    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 53176    | 5.463    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 47713    | 5.169    | ug/L   | 94       |
| 13) Acetone                   | 2.644  | 43    | 70880    | 51.969   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788  | 76    | 129861   | 4.217    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.952  | 43    | 17734    | 5.251    | ug/L   | 97       |
| 16) Methylene chloride        | 3.039  | 84    | 54776    | 5.036    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 125954   | 5.034    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 51351    | 5.031    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 100782   | 5.235    | ug/L   | 99       |
| 21) 2-Butanone                | 4.705  | 43    | 110399   | 51.059   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 61196    | 5.249    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 27446    | 5.594    | ug/L   | 96       |
| 25) Chloroform                | 5.078  | 83    | 107515   | 5.312    | ug/L   | 97       |

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 Acq On : 05 Nov 2024 09:41  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005122

Quant Time: Nov 05 23:55:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 05 04:38:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 66516    | 5.200  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 89456    | 4.918  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 83298    | 4.566  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.518  | 117  | 74973    | 4.817  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 235586   | 5.129  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 64292    | 5.145  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.756  | 83   | 94282    | 4.741  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 61969    | 5.322  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 74209    | 5.036  | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 88048    | 4.896  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 293599   | 50.666 | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 260835   | 5.229  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 68694    | 4.688  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 45081    | 5.380  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 50097    | 5.740  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.676  | 43   | 212976   | 51.974 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 47089    | 4.955  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 41724    | 5.126  | ug/L  | 94       |
| 51) Chlorobenzene             | 9.441  | 112  | 164884   | 5.229  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 279133   | 5.087  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 105994   | 5.071  | ug/L  | 95       |
| 54) o-Xylene                  | 10.094 | 106  | 103690   | 5.026  | ug/L  | 99       |
| 55) Styrene                   | 10.106 | 104  | 170776   | 5.164  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 53774    | 5.326  | ug/L  | 99       |
| 59) Bromoform                 | 10.283 | 173  | 24201    | 4.478  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.476 | 105  | 279732   | 5.016  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 36931    | 5.078  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 219872   | 4.843  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 217230   | 4.841  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 126198   | 5.377  | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 122408   | 5.116  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 113472   | 5.137  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 6442     | 4.219  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 87091    | 5.413  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 67422    | 5.193  | ug/L  | 98       |
| 71) Naphthalene               | 14.081 | 128  | 92711    | 4.525  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 55942    | 5.150  | ug/L  | 99       |

(#) = 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 :  
VSTD005122

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