

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012924\  
 Data File : VU057706.D  
 Acq On : 29 Jan 2024 09:19  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005136

Quant Time: Jan 30 00:27:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 29 00:26:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.245     | 114            | 70232    | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412     | 117            | 63865    | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807    | 152            | 29427    | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.599     | 65             | 22547    | 5.827      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 116.600% |        |          |
| 7) Chloroethane-d5            | 1.910     | 69             | 19395    | 5.982      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 119.600% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.563     | 65             | 10153    | 5.580      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 111.600% |        |          |
| 20) 2-Butanone-d5             | 4.624     | 46             | 41021    | 56.194     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 112.380% |        |          |
| 24) Chloroform-d              | 5.055     | 84             | 43154    | 5.494      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 109.800% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695     | 65             | 20742    | 5.811      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 116.200% |        |          |
| 32) Benzene-d6                | 5.721     | 84             | 83762    | 5.591      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 111.800% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.685     | 67             | 25132    | 5.562      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 111.200% |        |          |
| 41) Toluene-d8                | 7.894     | 98             | 77176    | 5.427      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 108.600% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.177     | 79             | 9877     | 5.485      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 109.600% |        |          |
| 46) 2-Hexanone-d5             | 8.630     | 63             | 35513    | 61.808     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 123.620% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749    | 84             | 17184    | 5.674      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 113.400% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190    | 152            | 23853    | 5.776      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 115.600% |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383     | 85             | 24090    | 4.048      | ug/L   | 99       |
| 3) Chloromethane              | 1.518     | 50             | 24693    | 4.147      | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602     | 62             | 26608    | 4.198      | ug/L   | 100      |
| 6) Bromomethane               | 1.856     | 94             | 13162    | 3.983      | ug/L   | 96       |
| 8) Chloroethane               | 1.933     | 64             | 18007    | 4.744      | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 2.136     | 101            | 40689    | 4.310      | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576     | 101            | 23089    | 4.207      | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.576     | 96             | 20619    | 4.040      | ug/L   | 92       |
| 13) Acetone                   | 2.637     | 43             | 27383    | 39.476     | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788     | 76             | 66386    | 4.012      | ug/L   | 99       |
| 15) Methyl Acetate            | 2.949     | 43             | 7398     | 4.145      | ug/L   | 91       |
| 16) Methylene chloride        | 3.042     | 84             | 22270    | 4.065      | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.354     | 73             | 52778    | 4.348      | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348     | 96             | 22279    | 4.144      | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.862     | 63             | 42726    | 4.304      | ug/L   | 100      |
| 21) 2-Butanone                | 4.705     | 43             | 44007    | 40.445     | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.660     | 96             | 25008    | 4.327      | ug/L   | 99       |
| 23) Bromochloromethane        | 4.968     | 128            | 10089    | 4.345      | ug/L   | 98       |
| 25) Chloroform                | 5.081     | 83             | 45390    | 4.309      | ug/L   | 100      |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005136

Quant Time: Jan 30 00:27:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 29 00:26:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 27967    | 4.558  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 40436    | 4.313  | ug/L  | 99       |
| 30) Cyclohexane               | 5.383  | 56   | 38456    | 4.252  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 35825    | 4.332  | ug/L  | 99       |
| 33) Benzene                   | 5.769  | 78   | 95096    | 4.341  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 25696    | 4.255  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 41649    | 4.269  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 24277    | 4.430  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.100  | 83   | 31661    | 4.293  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 37317    | 4.381  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 112688   | 43.093 | ug/L  | 100      |
| 42) Toluene                   | 7.965  | 91   | 101519   | 4.298  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 30676    | 4.432  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 15618    | 4.382  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 18392    | 4.144  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.682  | 43   | 79334    | 43.235 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 19742    | 4.277  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 14962    | 4.325  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.444  | 112  | 63352    | 4.276  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 114167   | 4.290  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 41152    | 4.191  | ug/L  | 96       |
| 54) o-Xylene                  | 10.097 | 106  | 41092    | 4.293  | ug/L  | 98       |
| 55) Styrene                   | 10.109 | 104  | 61758    | 4.217  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 19062    | 4.408  | ug/L  | 99       |
| 59) Bromoform                 | 10.286 | 173  | 10926    | 4.571  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 101040   | 4.382  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 13582    | 4.599  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 89888    | 4.374  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 91366    | 4.443  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 45642    | 4.337  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 44297    | 4.397  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 41950    | 4.467  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 2908     | 5.230  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.215 | 180  | 35136    | 4.548  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 26665    | 4.712  | ug/L  | 99       |
| 71) Naphthalene               | 14.084 | 128  | 37330    | 4.660  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 20697    | 4.699  | ug/L  | 98       |

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

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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