

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041524\  
 Data File : VU058679.D  
 Acq On : 15 Apr 2024 09:45  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005081

Quant Time: Apr 16 00:35:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 16 00:08:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114            | 71302    | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 67610    | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 33750    | 5.000  | ug/L      | 0.00     |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65             | 21377    | 4.528  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 90.600%   |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 24062    | 5.865  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 117.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 10253    | 4.799  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 96.000%   |          |
| 20) 2-Butanone-d5             | 4.618  | 46             | 67013    | 67.361 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 134.720%# |          |
| 24) Chloroform-d              | 5.052  | 84             | 56347    | 5.979  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 119.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65             | 27689    | 6.296  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 126.000%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 104516   | 5.742  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 114.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 35125    | 6.153  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 123.000%  |          |
| 41) Toluene-d8                | 7.891  | 98             | 90328    | 5.596  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 112.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79             | 10378    | 5.857  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 117.200%  |          |
| 46) 2-Hexanone-d5             | 8.627  | 63             | 48011    | 65.692 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 131.380%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84             | 23873    | 5.924  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 118.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 29290    | 5.153  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 103.000%  |          |
| Target Compounds              |        |                |          |        |           |          |
|                               |        |                |          |        |           | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.377  | 85             | 24390    | 4.104  | ug/L      | 98       |
| 3) Chloromethane              | 1.515  | 50             | 30690    | 4.220  | ug/L      | 99       |
| 5) Vinyl chloride             | 1.599  | 62             | 31966    | 4.401  | ug/L      | 99       |
| 6) Bromomethane               | 1.853  | 94             | 14347    | 4.175  | ug/L      | 98       |
| 8) Chloroethane               | 1.927  | 64             | 22533    | 4.910  | ug/L      | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101            | 44404    | 4.629  | ug/L      | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101            | 27784    | 4.875  | ug/L      | 96       |
| 12) 1,1-Dichloroethene        | 2.573  | 96             | 23299    | 4.611  | ug/L      | 99       |
| 13) Acetone                   | 2.631  | 43             | 41534    | 48.916 | ug/L      | 99       |
| 14) Carbon disulfide          | 2.788  | 76             | 68617    | 4.275  | ug/L      | 98       |
| 15) Methyl Acetate            | 2.946  | 43             | 10360    | 5.171  | ug/L      | 95       |
| 16) Methylene chloride        | 3.036  | 84             | 28208    | 4.206  | ug/L      | 98       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73             | 56566    | 4.739  | ug/L      | 98       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96             | 24841    | 4.690  | ug/L      | 93       |
| 19) 1,1-Dichloroethane        | 3.859  | 63             | 58351    | 5.048  | ug/L      | 98       |
| 21) 2-Butanone                | 4.698  | 43             | 63279    | 49.861 | ug/L      | 98       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96             | 28505    | 4.793  | ug/L      | 93       |
| 23) Bromochloromethane        | 4.965  | 128            | 11788    | 5.031  | ug/L      | 97       |
| 25) Chloroform                | 5.078  | 83             | 56490    | 5.049  | ug/L      | 98       |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005081

Quant Time: Apr 16 00:35:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 16 00:08:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 34694    | 5.092  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 46175    | 5.094  | ug/L  | 97       |
| 30) Cyclohexane               | 5.380  | 56   | 44378    | 4.636  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 38680    | 5.039  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 119427   | 4.873  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 29440    | 4.765  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 43109    | 4.632  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 33832    | 5.247  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 39068    | 5.308  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 41621    | 5.076  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 157457   | 51.879 | ug/L  | 98       |
| 42) Toluene                   | 7.962  | 91   | 126713   | 4.929  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 34733    | 5.371  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 19352    | 5.139  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 21055    | 4.649  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 119455   | 55.441 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.804  | 129  | 22621    | 5.196  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 16952    | 4.922  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.441  | 112  | 74314    | 4.778  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 132638   | 4.870  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 47179    | 4.838  | ug/L  | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 45676    | 4.777  | ug/L  | 96       |
| 55) Styrene                   | 10.110 | 104  | 77148    | 5.015  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 24125    | 5.193  | ug/L  | 99       |
| 59) Bromoform                 | 10.286 | 173  | 11542    | 5.119  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.479 | 105  | 120743   | 4.887  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 17080    | 4.960  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 96232    | 4.776  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 99182    | 4.821  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 56567    | 4.713  | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 55610    | 4.756  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 50733    | 4.647  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 3164     | 5.418  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 41710    | 4.700  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 29198    | 4.266  | ug/L  | 97       |
| 71) Naphthalene               | 14.084 | 128  | 35906    | 3.829  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 24700    | 4.370  | ug/L  | 98       |

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

