

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041824\  
 Data File : VU058753.D  
 Acq On : 18 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 :  
 VSTD005087

Quant Time: Apr 19 06:55:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 18 05:04:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 65207    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 62163    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 29337    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 17152    | 3.973    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 13217    | 3.523    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 70.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 9249     | 4.733    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 40718    | 44.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 89.520%  |
| 24) Chloroform-d              | 5.052  | 84    | 42885    | 4.976    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 20542    | 5.108    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.200% |
| 32) Benzene-d6                | 5.717  | 84    | 77594    | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 23515    | 4.480    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 68375    | 4.607    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 8756     | 5.374    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 107.400% |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 28673    | 42.670   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 85.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 15741    | 4.248    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 85.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 21765    | 4.405    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 37577    | 6.914    | ug/L   | 98       |
| 3) Chloromethane              | 1.512  | 50    | 29823    | 4.484    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.599  | 62    | 29271    | 4.406    | ug/L   | 99       |
| 6) Bromomethane               | 1.853  | 94    | 17565    | 5.589    | ug/L   | 97       |
| 8) Chloroethane               | 1.927  | 64    | 16561    | 3.946    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 47011    | 5.359    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 28304    | 5.430    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 24644    | 5.333    | ug/L   | 95       |
| 13) Acetone                   | 2.634  | 43    | 30061    | 38.713   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.785  | 76    | 84599    | 5.763    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.949  | 43    | 7986     | 4.359    | ug/L   | 99       |
| 16) Methylene chloride        | 3.036  | 84    | 27055    | 4.411    | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 54405    | 4.984    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 25519    | 5.269    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 52564    | 4.972    | ug/L   | 100      |
| 21) 2-Butanone                | 4.701  | 43    | 47926    | 41.293   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 26878    | 4.942    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.965  | 128   | 10681    | 4.984    | ug/L   | 94       |
| 25) Chloroform                | 5.078  | 83    | 53887    | 5.267    | ug/L   | 99       |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005087

Quant Time: Apr 19 06:55:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 18 05:04:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 32046    | 5.143  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 48623    | 5.834  | ug/L   | 97       |
| 30) Cyclohexane               | 5.380  | 56   | 46317    | 5.262  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 43062    | 6.101  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 112769   | 5.004  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 30316    | 5.337  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.756  | 83   | 47430    | 5.542  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 28591    | 4.822  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 35204    | 5.202  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 39287    | 5.211  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 126639   | 45.381 | ug/L   | 98       |
| 42) Toluene                   | 7.962  | 91   | 118663   | 5.021  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 31164    | 5.242  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 17576    | 5.076  | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.547  | 164  | 22071    | 5.300  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 90125    | 45.493 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.801  | 129  | 19717    | 4.925  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 15236    | 4.812  | ug/L   | 93       |
| 51) Chlorobenzene             | 9.441  | 112  | 70293    | 4.915  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 128668   | 5.138  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 48500    | 5.409  | ug/L   | 97       |
| 54) o-Xylene                  | 10.093 | 106  | 45391    | 5.164  | ug/L   | 97       |
| 55) Styrene                   | 10.106 | 104  | 76300    | 5.395  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 19391    | 4.540  | ug/L   | 99       |
| 59) Bromoform                 | 10.283 | 173  | 10729    | 5.474  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.476 | 105  | 127736   | 5.948  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 14417    | 4.816  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 105497   | 6.024  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 103408   | 5.782  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 55014    | 5.273  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 53991    | 5.312  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 47655    | 5.022  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 2905     | 5.723  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 39830    | 5.163  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 27776    | 4.669  | ug/L   | 97       |
| 71) Naphthalene               | 14.084 | 128  | 32864    | 4.031  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 22553    | 4.591  | ug/L   | 98       |

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

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