

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042324\  
 Data File : VU058775.D  
 Acq On : 23 Apr 2024 09:31  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005090

Quant Time: Apr 24 00:32:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 22 23:57:56 2024  
 Response via : Initial Calibration

| Compound                      |        | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|------------|--------|----------|
| -----                         |        |        |          |          |            |        |          |
| Internal Standards            |        |        |          |          |            |        |          |
| 1) 1,4-Difluorobenzene        |        | 6.242  | 114      | 104871   | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          |        | 9.412  | 117      | 97772    | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 11.804 | 152      | 46493    | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |        |        |          |          |            |        |          |
| 4) Vinyl Chloride-d3          |        | 1.592  | 65       | 42089    | 5.102      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 40 - 130 | Recovery | = 102.000% |        |          |
| 7) Chloroethane-d5            |        | 1.904  | 69       | 31539    | 5.074      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 130 | Recovery | = 101.400% |        |          |
| 11) 1,1-Dichloroethene-d2     |        | 2.557  | 65       | 20859    | 5.022      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 60 - 125 | Recovery | = 100.400% |        |          |
| 20) 2-Butanone-d5             |        | 4.624  | 46       | 76790    | 52.984     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 40 - 130 | Recovery | = 105.960% |        |          |
| 24) Chloroform-d              |        | 5.052  | 84       | 86741    | 5.144      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | = 102.800% |        |          |
| 26) 1,2-Dichloroethane-d4     |        | 5.692  | 65       | 42175    | 5.160      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | = 103.200% |        |          |
| 32) Benzene-d6                |        | 5.718  | 84       | 163819   | 5.264      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | = 105.200% |        |          |
| 36) 1,2-Dichloropropane-d6    |        | 6.682  | 67       | 50024    | 5.389      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 60 - 140 | Recovery | = 107.800% |        |          |
| 41) Toluene-d8                |        | 7.891  | 98       | 147586   | 5.298      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | = 106.000% |        |          |
| 43) trans-1,3-Dichloroprop... |        | 8.174  | 79       | 17852    | 5.282      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 55 - 130 | Recovery | = 105.600% |        |          |
| 46) 2-Hexanone-d5             |        | 8.627  | 63       | 53364    | 53.288     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 45 - 130 | Recovery | = 106.580% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 10.750 | 84       | 30846    | 5.456      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 120 | Recovery | = 109.200% |        |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 12.187 | 152      | 44544    | 5.497      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 80 - 120 | Recovery | = 110.000% |        |          |
| Target Compounds              |        |        |          |          |            |        |          |
|                               |        |        |          |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane    |        | 1.377  | 85       | 57777    | 5.031      | ug/L   | 100      |
| 3) Chloromethane              |        | 1.512  | 50       | 47328    | 5.264      | ug/L   | 100      |
| 5) Vinyl chloride             |        | 1.596  | 62       | 47414    | 5.198      | ug/L   | 98       |
| 6) Bromomethane               |        | 1.853  | 94       | 28491    | 5.278      | ug/L   | 96       |
| 8) Chloroethane               |        | 1.927  | 64       | 27134    | 5.281      | ug/L   | 99       |
| 9) Trichlorofluoromethane     |        | 2.133  | 101      | 72518    | 5.079      | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... |        | 2.573  | 101      | 44815    | 5.266      | ug/L   | 98       |
| 12) 1,1-Dichloroethene        |        | 2.573  | 96       | 38897    | 5.093      | ug/L   | 97       |
| 13) Acetone                   |        | 2.644  | 43       | 52035    | 51.948     | ug/L   | 100      |
| 14) Carbon disulfide          |        | 2.785  | 76       | 131394   | 5.058      | ug/L   | 100      |
| 15) Methyl Acetate            |        | 2.949  | 43       | 13560    | 5.646      | ug/L   | 95       |
| 16) Methylene chloride        |        | 3.036  | 84       | 42041    | 5.115      | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   |        | 3.348  | 73       | 87870    | 5.082      | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  |        | 3.345  | 96       | 40872    | 5.343      | ug/L   | 98       |
| 19) 1,1-Dichloroethane        |        | 3.856  | 63       | 84120    | 5.193      | ug/L   | 98       |
| 21) 2-Butanone                |        | 4.705  | 43       | 77119    | 48.960     | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    |        | 4.653  | 96       | 44222    | 5.262      | ug/L   | 99       |
| 23) Bromochloromethane        |        | 4.965  | 128      | 17333    | 5.268      | ug/L   | 96       |
| 25) Chloroform                |        | 5.078  | 83       | 86585    | 5.142      | ug/L   | 93       |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005090

Quant Time: Apr 24 00:32:45 2024  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 22 23:57:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 51723    | 5.135  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 76034    | 5.211  | ug/L  | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 72726    | 5.280  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 67579    | 5.239  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 179518   | 5.307  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 47159    | 5.123  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.756  | 83   | 73977    | 5.289  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 45892    | 5.194  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 56523    | 5.164  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 64143    | 5.244  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 212715   | 54.541 | ug/L  | 100      |
| 42) Toluene                   | 7.962  | 91   | 188650   | 5.396  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 52268    | 5.550  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 27318    | 5.373  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 34189    | 5.293  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 148975   | 53.772 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 32331    | 5.430  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 24675    | 5.275  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.441  | 112  | 112445   | 5.279  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 207854   | 5.391  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.689  | 106  | 76009    | 5.367  | ug/L  | 96       |
| 54) o-Xylene                  | 10.094 | 106  | 72248    | 5.381  | ug/L  | 96       |
| 55) Styrene                   | 10.107 | 104  | 121359   | 5.549  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 31100    | 5.249  | ug/L  | 93       |
| 59) Bromoform                 | 10.283 | 173  | 17376    | 5.336  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 204001   | 5.531  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 23197    | 5.482  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 168426   | 5.487  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 163613   | 5.634  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 87373    | 5.497  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 83253    | 5.367  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 75022    | 5.452  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 4773     | 6.527  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 62572    | 5.502  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 43832    | 5.545  | ug/L  | 99       |
| 71) Naphthalene               | 14.084 | 128  | 51021    | 5.335  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 34147    | 5.450  | ug/L  | 96       |

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

