

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050624\  
 Data File : VU058821.D  
 Acq On : 06 May 2024 08:57  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005096

Quant Time: May 07 01:03:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 30 06:10:03 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.242  | 114  | 69009    | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.409  | 117  | 65487    | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152  | 32824    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.589  | 65    | 17799    | 3.279    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 65.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 13693    | 3.348    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 67.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 10836    | 3.965    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 79.200%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 41702    | 43.727   | ug/L | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 87.460%  |
| 24) Chloroform-d              | 5.049  | 84    | 55425    | 4.995    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 99.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 27840    | 5.176    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 103.600% |
| 32) Benzene-d6                | 5.718  | 84    | 93980    | 4.509    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 90.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 25677    | 4.130    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 82.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 85743    | 4.596    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 92.000%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 10313    | 4.556    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 91.200%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 29692    | 44.267   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 88.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 16841    | 4.447    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 89.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 27855    | 4.869    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 97.400%  |

|                               |       |     |       |        |      |     |
|-------------------------------|-------|-----|-------|--------|------|-----|
| Target Compounds              |       |     |       | Qvalue |      |     |
| 2) Dichlorodifluoromethane    | 1.374 | 85  | 42231 | 5.588  | ug/L | 98  |
| 3) Chloromethane              | 1.512 | 50  | 23154 | 3.914  | ug/L | 97  |
| 5) Vinyl chloride             | 1.596 | 62  | 24416 | 4.068  | ug/L | 98  |
| 6) Bromomethane               | 1.850 | 94  | 16337 | 4.599  | ug/L | 97  |
| 8) Chloroethane               | 1.924 | 64  | 14170 | 4.191  | ug/L | 97  |
| 9) Trichlorofluoromethane     | 2.129 | 101 | 52794 | 5.619  | ug/L | 98  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 29891 | 5.338  | ug/L | 94  |
| 12) 1,1-Dichloroethene        | 2.570 | 96  | 25730 | 5.120  | ug/L | 93  |
| 13) Acetone                   | 2.641 | 43  | 32805 | 49.769 | ug/L | 97  |
| 14) Carbon disulfide          | 2.782 | 76  | 80629 | 4.717  | ug/L | 99  |
| 15) Methyl Acetate            | 2.953 | 43  | 7529  | 4.764  | ug/L | 100 |
| 16) Methylene chloride        | 3.033 | 84  | 26391 | 4.880  | ug/L | 93  |
| 17) Methyl tert-butyl Ether   | 3.351 | 73  | 58348 | 5.129  | ug/L | 98  |
| 18) trans-1,2-Dichloroethene  | 3.342 | 96  | 26479 | 5.260  | ug/L | 98  |
| 19) 1,1-Dichloroethane        | 3.856 | 63  | 52646 | 4.939  | ug/L | 98  |
| 21) 2-Butanone                | 4.705 | 43  | 44155 | 42.600 | ug/L | 92  |
| 22) cis-1,2-Dichloroethene    | 4.653 | 96  | 28154 | 5.091  | ug/L | 97  |
| 23) Bromochloromethane        | 4.962 | 128 | 11726 | 5.416  | ug/L | 87  |
| 25) Chloroform                | 5.075 | 83  | 61384 | 5.540  | ug/L | 96  |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005096

Quant Time: May 07 01:03:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 30 06:10:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 37222    | 5.615  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 57726    | 5.906  | ug/L   | 98       |
| 30) Cyclohexane               | 5.377  | 56   | 41605    | 4.509  | ug/L   | 91       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 53211    | 6.159  | ug/L   | 98       |
| 33) Benzene                   | 5.763  | 78   | 114702   | 5.063  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 33061    | 5.363  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.753  | 83   | 47551    | 5.075  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 27570    | 4.658  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 40866    | 5.574  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 40897    | 4.991  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 114908   | 43.988 | ug/L   | 98       |
| 42) Toluene                   | 7.962  | 91   | 123931   | 5.293  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 34096    | 5.405  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 18011    | 5.289  | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.547  | 164  | 25121    | 5.806  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 80810    | 43.548 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.801  | 129  | 22657    | 5.681  | ug/L   | 85       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 15784    | 5.038  | ug/L   | 92       |
| 51) Chlorobenzene             | 9.441  | 112  | 75568    | 5.297  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.563  | 91   | 138013   | 5.344  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.689  | 106  | 51613    | 5.441  | ug/L   | 94       |
| 54) o-Xylene                  | 10.094 | 106  | 48235    | 5.364  | ug/L   | 98       |
| 55) Styrene                   | 10.107 | 104  | 81990    | 5.597  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 19044    | 4.798  | ug/L # | 98       |
| 59) Bromoform                 | 10.283 | 173  | 13349    | 5.807  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 140341   | 5.390  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 14733    | 4.931  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 115294   | 5.321  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 112594   | 5.492  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 60049    | 5.351  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 59289    | 5.414  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 52420    | 5.396  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 3101     | 6.006  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 45790    | 5.703  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 29357    | 5.260  | ug/L   | 98       |
| 71) Naphthalene               | 14.084 | 128  | 30858    | 4.570  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 22409    | 5.066  | ug/L   | 94       |

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

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