

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU050624\  
 Data File : VU058835.D  
 Acq On : 06 May 2024 16:01  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005097

Quant Time: May 07 01:11:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 07 01:07:14 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.242  | 114  | 64843    | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.412  | 117  | 61880    | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152  | 32677    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.589  | 65    | 16570    | 3.249    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 65.000%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 13578    | 3.533    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 70.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 10293    | 4.008    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 80.200%  |
| 20) 2-Butanone-d5             | 4.612  | 46    | 40463    | 45.154   | ug/L | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 90.300%  |
| 24) Chloroform-d              | 5.049  | 84    | 52805    | 5.064    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 101.200% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 26976    | 5.338    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 106.800% |
| 32) Benzene-d6                | 5.718  | 84    | 89698    | 4.554    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 91.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 24688    | 4.202    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 84.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 81353    | 4.615    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 92.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 10629    | 4.969    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 99.400%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 31439    | 49.604   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 99.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 18035    | 5.040    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 100.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 29083    | 5.107    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 102.200% |

|                               |       |     |       |        |        |    |
|-------------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds              |       |     |       |        | Qvalue |    |
| 2) Dichlorodifluoromethane    | 1.374 | 85  | 37316 | 5.255  | ug/L   | 98 |
| 3) Chloromethane              | 1.512 | 50  | 22480 | 4.044  | ug/L   | 99 |
| 5) Vinyl chloride             | 1.596 | 62  | 23763 | 4.213  | ug/L   | 95 |
| 6) Bromomethane               | 1.846 | 94  | 14435 | 4.325  | ug/L   | 94 |
| 8) Chloroethane               | 1.924 | 64  | 12503 | 3.936  | ug/L   | 93 |
| 9) Trichlorofluoromethane     | 2.129 | 101 | 48981 | 5.548  | ug/L   | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 27646 | 5.254  | ug/L   | 95 |
| 12) 1,1-Dichloroethene        | 2.570 | 96  | 23114 | 4.895  | ug/L   | 96 |
| 13) Acetone                   | 2.615 | 43  | 27724 | 44.763 | ug/L   | 99 |
| 14) Carbon disulfide          | 2.782 | 76  | 72904 | 4.539  | ug/L   | 99 |
| 15) Methyl Acetate            | 2.943 | 43  | 6519  | 4.390  | ug/L   | 97 |
| 16) Methylene chloride        | 3.033 | 84  | 24724 | 4.865  | ug/L   | 95 |
| 17) Methyl tert-butyl Ether   | 3.348 | 73  | 53553 | 5.010  | ug/L   | 99 |
| 18) trans-1,2-Dichloroethene  | 3.342 | 96  | 24245 | 5.126  | ug/L   | 96 |
| 19) 1,1-Dichloroethane        | 3.853 | 63  | 48034 | 4.795  | ug/L   | 94 |
| 21) 2-Butanone                | 4.689 | 43  | 42612 | 43.752 | ug/L   | 93 |
| 22) cis-1,2-Dichloroethene    | 4.653 | 96  | 26747 | 5.148  | ug/L   | 87 |
| 23) Bromochloromethane        | 4.965 | 128 | 10985 | 5.400  | ug/L   | 86 |
| 25) Chloroform                | 5.075 | 83  | 55501 | 5.331  | ug/L   | 95 |

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 Sample : VSTDCCC005EC  
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005097

Quant Time: May 07 01:11:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 07 01:07:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 34911    | 5.605  | ug/L # | 95       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 53658    | 5.810  | ug/L   | 98       |
| 30) Cyclohexane               | 5.377  | 56   | 37260    | 4.274  | ug/L   | 88       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 48271    | 5.913  | ug/L   | 99       |
| 33) Benzene                   | 5.763  | 78   | 105576   | 4.931  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 29491    | 5.062  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.753  | 83   | 41437    | 4.681  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 26233    | 4.691  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.097  | 83   | 37502    | 5.413  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 38330    | 4.951  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 107100   | 43.389 | ug/L   | 97       |
| 42) Toluene                   | 7.962  | 91   | 111916   | 5.058  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 31897    | 5.351  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 16934    | 5.263  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 34259    | 8.379  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 78171    | 44.582 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.801  | 129  | 21184    | 5.621  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 14925    | 5.041  | ug/L # | 93       |
| 51) Chlorobenzene             | 9.441  | 112  | 69437    | 5.151  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 127064   | 5.207  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.689  | 106  | 47417    | 5.290  | ug/L   | 93       |
| 54) o-Xylene                  | 10.094 | 106  | 45623    | 5.369  | ug/L   | 96       |
| 55) Styrene                   | 10.107 | 104  | 75204    | 5.433  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 17551    | 4.680  | ug/L # | 95       |
| 59) Bromoform                 | 10.283 | 173  | 12341    | 5.392  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.476 | 105  | 129928   | 5.012  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 13735    | 4.618  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 109003   | 5.053  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 104916   | 5.140  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 55052    | 4.928  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 53903    | 4.945  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 49460    | 5.114  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 3021     | 5.878  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 41745    | 5.223  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 27310    | 4.915  | ug/L   | 100      |
| 71) Naphthalene               | 14.084 | 128  | 28718    | 4.272  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 21845    | 4.961  | ug/L   | 98       |
| -----                         |        |      |          |        |        |          |

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

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