

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U071024\  
 Data File : VU059890.D  
 Acq On : 10 Jul 2024 08:30  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005141

Quant Time: Jul 11 01:50:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jul 09 02:28:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 158596   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 158077   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 84464    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 41323    | 3.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 38993    | 3.675    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 73.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 15430    | 3.373    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 67.400%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 131394   | 57.842   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.680% |
| 24) Chloroform-d              | 5.055  | 84    | 98360    | 4.345    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 46680    | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.600%  |
| 32) Benzene-d6                | 5.721  | 84    | 176364   | 4.054    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 60257    | 4.520    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 7.891  | 98    | 156965   | 3.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 21509    | 5.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 103.000% |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 108425   | 62.512   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 125.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 56548    | 5.134    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 64077    | 4.262    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 60822    | 4.526    | ug/L   | 98       |
| 3) Chloromethane              | 1.515  | 50    | 67073    | 4.637    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.599  | 62    | 77190    | 4.831    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 45873    | 4.129    | ug/L   | 98       |
| 8) Chloroethane               | 1.930  | 64    | 49662    | 5.159    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 98901    | 5.142    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 65376    | 5.369    | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 58737    | 5.222    | ug/L   | 80       |
| 13) Acetone                   | 2.637  | 43    | 87232    | 59.198   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.785  | 76    | 179381   | 4.780    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.952  | 43    | 18604    | 4.784    | ug/L # | 83       |
| 16) Methylene chloride        | 3.036  | 84    | 69251    | 5.196    | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 131539   | 5.427    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 60114    | 5.139    | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 115672   | 5.362    | ug/L   | 97       |
| 21) 2-Butanone                | 4.705  | 43    | 131283   | 55.546   | ug/L   | 90       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 69932    | 5.424    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.968  | 128   | 32639    | 5.553    | ug/L   | 86       |
| 25) Chloroform                | 5.078  | 83    | 122096   | 5.374    | 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 :  
 VSTD005141

Quant Time: Jul 11 01:50:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061724WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jul 09 02:28:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 70215    | 5.100  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 97472    | 5.340  | ug/L   | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 84329    | 5.233  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 83783    | 5.482  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 264455   | 5.509  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 69959    | 5.381  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.756  | 83   | 96801    | 5.233  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 69701    | 5.611  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.097  | 83   | 87322    | 5.631  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 94493    | 5.562  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 313545   | 54.470 | ug/L # | 93       |
| 42) Toluene                   | 7.965  | 91   | 287937   | 5.666  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 77947    | 5.716  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 52548    | 5.740  | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 57133    | 5.663  | ug/L   | 94       |
| 48) 2-Hexanone                | 8.679  | 43   | 235294   | 57.274 | ug/L # | 93       |
| 49) Dibromochloromethane      | 8.804  | 129  | 58842    | 5.803  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 48274    | 5.710  | ug/L   | 97       |
| 51) Chlorobenzene             | 9.441  | 112  | 181128   | 5.619  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.566  | 91   | 286108   | 5.488  | ug/L   | 96       |
| 53) m,p-Xylene                | 9.688  | 106  | 114239   | 5.705  | ug/L   | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 108454   | 5.707  | ug/L   | 94       |
| 55) Styrene                   | 10.110 | 104  | 188732   | 5.834  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 63100    | 5.682  | ug/L   | 97       |
| 59) Bromoform                 | 10.283 | 173  | 36019    | 5.572  | ug/L # | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 290074   | 5.560  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 42242    | 5.412  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 220370   | 5.331  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 215275   | 5.447  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 146667   | 5.527  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 146909   | 5.378  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 136500   | 5.466  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 8476     | 5.567  | ug/L # | 79       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 108324   | 5.514  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 83378    | 5.533  | ug/L   | 96       |
| 71) Naphthalene               | 14.084 | 128  | 115791   | 5.369  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 77083    | 5.509  | ug/L   | 97       |

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

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ALS Vial : 2 Sample Multiplier: 1

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