

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082324\  
 Data File : VU060512.D  
 Acq On : 23 Aug 2024 13:55  
 Operator : MD/SY  
 Sample : VSTD02016  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD020016

Quant Time: Aug 24 01:20:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 24 01:18:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114  | 104040   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117  | 107530   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152  | 84573    | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65   | 81099    | 17.649  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.911  | 69   | 112858   | 16.210  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65   | 45661    | 16.860  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 4.625  | 46   | 344710   | 218.143 | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.052  | 84   | 262304   | 20.022  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65   | 138016   | 20.189  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.718  | 84   | 475207   | 20.210  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 154738   | 20.397  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 448868   | 20.348  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79   | 59574    | 21.944  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.628  | 63   | 302390   | 232.643 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84   | 135936   | 20.136  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152  | 256631   | 20.579  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.384  | 85   | 226674   | 19.200  | ug/L   | 99       |
| 3) Chloromethane              | 1.519  | 50   | 179847   | 17.581  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62   | 175683   | 17.442  | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94   | 179403   | 17.698  | ug/L   | 96       |
| 8) Chloroethane               | 1.930  | 64   | 142314   | 15.485  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.133  | 101  | 422410   | 19.290  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 149742   | 16.163  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 137937   | 16.177  | ug/L   | 92       |
| 13) Acetone                   | 2.644  | 43   | 228867   | 171.625 | ug/L   | 100      |
| 14) Carbon disulfide          | 2.785  | 76   | 468426   | 16.929  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.953  | 43   | 57628    | 21.659  | ug/L   | 97       |
| 16) Methylene chloride        | 3.036  | 84   | 152662   | 18.432  | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73   | 367155   | 21.216  | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96   | 149122   | 20.089  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 289937   | 19.273  | ug/L   | 94       |
| 21) 2-Butanone                | 4.705  | 43   | 389476   | 215.388 | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96   | 166372   | 20.113  | ug/L   | 100      |
| 23) Bromochloromethane        | 4.965  | 128  | 75054    | 19.965  | ug/L   | 92       |
| 25) Chloroform                | 5.078  | 83   | 307053   | 19.286  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 204340   | 19.123  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 278061   | 18.880  | ug/L   | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 262843   | 21.557  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 256566   | 18.850  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 650951   | 19.087  | ug/L   | 100      |
| 34) Trichloroethene           | 6.535  | 95   | 176522   | 19.095  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 277959   | 21.914  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 172383   | 19.726  | ug/L # | 98       |
| 38) Bromodichloromethane      | 7.097  | 83   | 218511   | 19.029  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 263975   | 20.602  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 967667   | 212.616 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 726889   | 20.169  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 226126   | 21.497  | ug/L   | 97       |

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 24 01:18:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 120601   | 19.051  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 143165   | 18.894  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.679  | 43   | 731352   | 218.700 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 150816   | 20.578  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 117110   | 20.151  | ug/L # | 95       |
| 51) Chlorobenzene             | 9.438  | 112  | 459501   | 19.695  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 815042   | 21.340  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.686  | 106  | 316027   | 22.257  | ug/L   | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 307303   | 21.141  | ug/L   | 98       |
| 55) Styrene                   | 10.107 | 104  | 528159   | 22.176  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.776 | 83   | 156397   | 19.350  | ug/L   | 98       |
| 59) Bromoform                 | 10.284 | 173  | 96413    | 13.872  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.477 | 105  | 836198   | 14.800  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 111270   | 13.639  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 704295   | 16.725  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 966739   | 22.504  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 547640   | 19.805  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 554333   | 19.756  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 507091   | 19.547  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.988 | 75   | 27097    | 14.715  | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 301194   | 14.126  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 251401   | 14.614  | ug/L   | 98       |
| 71) Naphthalene               | 14.078 | 128  | 383713   | 17.459  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 217579   | 15.114  | ug/L   | 98       |
| -----                         |        |      |          |         |        |          |

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

