

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060222\  
 Data File : VU048823.D  
 Acq On : 02 Jun 2022 23:42  
 Operator : SY/MD  
 Sample : VU0602WBS02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0602WBS02

Quant Time: Jun 03 01:25:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.372  | 168   | 226932   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.246  | 114   | 382038   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 351350   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 178851   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.700  | 65    | 183573   | 53.864   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 107.720% |          |
| 35) Dibromofluoromethane     | 5.288  | 113   | 144400   | 52.980   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 105.960% |          |
| 50) Toluene-d8               | 7.896  | 98    | 509409   | 52.140   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 104.280% |          |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 196732   | 53.243   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 106.480% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382  | 85    | 51985    | 20.011   | ug/l       | 100      |
| 3) Chloromethane             | 1.520  | 50    | 69950    | 20.916   | ug/l       | 100      |
| 4) Vinyl Chloride            | 1.604  | 62    | 67490    | 21.789   | ug/l       | 97       |
| 5) Bromomethane              | 1.829  | 94    | 31989    | 15.518   | ug/l       | 99       |
| 6) Chloroethane              | 1.915  | 64    | 40269    | 22.305   | ug/l       | 97       |
| 7) Trichlorofluoromethane    | 2.128  | 101   | 88796    | 20.073   | ug/l       | 98       |
| 8) Diethyl Ether             | 2.372  | 74    | 36021    | 22.065   | ug/l       | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.575  | 101   | 50656    | 20.919   | ug/l       | 97       |
| 10) Methyl Iodide            | 2.716  | 142   | 72029    | 21.826   | ug/l       | 97       |
| 11) Tert butyl alcohol       | 3.189  | 59    | 119188   | 137.942  | ug/l #     | 42       |
| 12) 1,1-Dichloroethene       | 2.575  | 96    | 48607    | 21.045   | ug/l       | 96       |
| 13) Acrolein                 | 2.481  | 56    | 31546    | 107.755  | ug/l       | 98       |
| 14) Allyl chloride           | 2.919  | 41    | 100513   | 22.468   | ug/l       | 95       |
| 15) Acrylonitrile            | 3.308  | 53    | 240559   | 128.370  | ug/l       | 99       |
| 16) Acetone                  | 2.623  | 43    | 204343   | 117.652  | ug/l       | 99       |
| 17) Carbon Disulfide         | 2.787  | 76    | 121992   | 18.093   | ug/l       | 99       |
| 18) Methyl Acetate           | 2.944  | 43    | 125188   | 28.708   | ug/l       | 99       |
| 19) Methyl tert-butyl Ether  | 3.362  | 73    | 208279   | 23.766   | ug/l       | 99       |
| 20) Methylene Chloride       | 3.041  | 84    | 65547    | 22.193   | ug/l       | 100      |
| 21) trans-1,2-Dichloroethene | 3.346  | 96    | 52062    | 19.705   | ug/l       | 91       |
| 22) Diisopropyl ether        | 3.989  | 45    | 210994   | 25.569   | ug/l       | 98       |
| 23) Vinyl Acetate            | 3.951  | 43    | 869024   | 121.549  | ug/l       | 100      |
| 24) 1,1-Dichloroethane       | 3.867  | 63    | 116886   | 22.553   | ug/l       | 99       |
| 25) 2-Butanone               | 4.700  | 43    | 325907   | 130.617  | ug/l       | 100      |
| 26) 2,2-Dichloropropane      | 4.661  | 77    | 70620    | 15.188   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 4.665  | 96    | 65651    | 21.468   | ug/l       | 96       |
| 28) Bromochloromethane       | 4.973  | 49    | 52867    | 26.007   | ug/l       | 94       |
| 29) Tetrahydrofuran          | 5.050  | 42    | 207109   | 131.776  | ug/l       | 98       |
| 30) Chloroform               | 5.086  | 83    | 116632   | 22.491   | ug/l       | 98       |
| 31) Cyclohexane              | 5.385  | 56    | 97568    | 22.717   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 5.314  | 97    | 100302   | 21.320   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 5.523  | 75    | 76293    | 19.179   | ug/l       | 100      |
| 37) Ethyl Acetate            | 4.803  | 43    | 114482   | 22.765   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 5.523  | 117   | 82824    | 18.149   | ug/l       | 94       |
| 39) Methylcyclohexane        | 6.761  | 83    | 84580    | 20.278   | ug/l       | 97       |
| 40) Benzene                  | 5.774  | 78    | 246424   | 20.983   | ug/l       | 97       |

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 Sample : VU0602WBS02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0602WBS02

Quant Time: Jun 03 01:25:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 62713    | 24.678  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 94299    | 20.512  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 161114   | 22.074  | ug/l   | 100      |
| 44) Trichloroethene           | 6.542  | 130  | 57361    | 18.959  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 71414    | 24.155  | ug/l   | 94       |
| 46) Dibromomethane            | 6.918  | 93   | 46047    | 20.846  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.105  | 83   | 92363    | 20.677  | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.957  | 41   | 79797    | 24.354  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 6.963  | 88   | 46134    | 629.846 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 629219   | 132.766 | ug/l   | 100      |
| 52) Toluene                   | 7.970  | 92   | 152017   | 21.641  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.208  | 75   | 94505    | 19.613  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 101586   | 20.345  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 68760    | 22.179  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 107378   | 23.386  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 8.574  | 76   | 118506   | 22.712  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 85164    | 97.490  | ug/l   | 99       |
| 59) 2-Hexanone                | 8.684  | 43   | 513761   | 132.044 | ug/l   | 100      |
| 60) Dibromochloromethane      | 8.809  | 129  | 70459    | 20.275  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 70137    | 20.542  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.552  | 164  | 48672    | 19.268  | ug/l   | 97       |
| 65) Chlorobenzene             | 9.446  | 112  | 161023   | 21.669  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 63024    | 22.344  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.568  | 91   | 277780   | 22.163  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.693  | 106  | 221734   | 45.234  | ug/l   | 98       |
| 69) o-Xylene                  | 10.098 | 106  | 111190   | 23.088  | ug/l   | 100      |
| 70) Styrene                   | 10.114 | 104  | 184145   | 23.247  | ug/l   | 99       |
| 71) Bromoform                 | 10.291 | 173  | 58897    | 22.584  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.484 | 105  | 293812   | 25.446  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.320 | 43   | 145188   | 26.078  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 131622   | 27.934  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 143840   | 24.944  | ug/l   | 98       |
| 77) Bromobenzene              | 10.783 | 156  | 72939    | 23.521  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.905 | 91   | 331471   | 24.092  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 212751   | 24.865  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 256738   | 25.568  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 32008    | 20.153  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 239326   | 24.243  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.420 | 119  | 239132   | 24.813  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 240748   | 22.906  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.642 | 105  | 294497   | 24.426  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 249479   | 24.096  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 130375   | 21.444  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 132131   | 21.036  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.208 | 91   | 201689   | 20.796  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.475 | 117  | 47333    | 22.401  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 140167   | 22.821  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 31895    | 23.509  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 73524    | 18.242  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 42594    | 22.048  | ug/l   | 99       |
| 95) Naphthalene               | 14.089 | 128  | 250689   | 19.438  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 79109    | 19.817  | ug/l   | 99       |

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Operator : SY/MD  
Sample : VU0602WBS02  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0602WBS02

Quant Time: Jun 03 01:25:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

