

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060822\  
 Data File : VU048960.D  
 Acq On : 08 Jun 2022 13:54  
 Operator : SY/MD  
 Sample : VU0608WBSD01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0608WBSD01

Quant Time: Jun 08 16:21:12 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   | 175873   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.247  | 114   | 277802   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 255013   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 144198   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.700  | 65    | 135891   | 51.449   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 102.900% |
| 35) Dibromofluoromethane     | 5.288  | 113   | 107476   | 54.229   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 108.460% |
| 50) Toluene-d8               | 7.896  | 98    | 352949   | 49.680   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 99.360%  |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 140587   | 52.325   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 104.640% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382  | 85    | 31817    | 15.803   | ug/l   | 97       |
| 3) Chloromethane             | 1.520  | 50    | 45597    | 17.593   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.604  | 62    | 41923    | 17.464   | ug/l   | 99       |
| 5) Bromomethane              | 1.829  | 94    | 23192    | 14.204   | ug/l   | 97       |
| 6) Chloroethane              | 1.916  | 64    | 25158    | 17.475   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 2.128  | 101   | 61131    | 17.831   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.375  | 74    | 23508    | 18.581   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.575  | 101   | 34958    | 18.628   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.716  | 142   | 48841    | 19.472   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.186  | 59    | 87908    | 131.277  | ug/l # | 40       |
| 12) 1,1-Dichloroethene       | 2.575  | 96    | 31834    | 17.784   | ug/l   | 96       |
| 13) Acrolein                 | 2.482  | 56    | 14682    | 62.984   | ug/l   | 99       |
| 14) Allyl chloride           | 2.919  | 41    | 64644    | 18.645   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.308  | 53    | 157789   | 108.646  | ug/l   | 99       |
| 16) Acetone                  | 2.623  | 43    | 138938   | 103.218  | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.787  | 76    | 71849    | 13.750   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.945  | 43    | 77820    | 23.026   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.362  | 73    | 140691   | 20.714   | ug/l   | 98       |
| 20) Methylene Chloride       | 3.041  | 84    | 43965    | 19.207   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.350  | 96    | 34756    | 16.974   | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.989  | 45    | 145019   | 22.676   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.954  | 43    | 595874   | 107.540  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.864  | 63    | 81066    | 20.183   | ug/l   | 99       |
| 25) 2-Butanone               | 4.700  | 43    | 222071   | 114.840  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.661  | 77    | 71466    | 19.833   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.665  | 96    | 45847    | 19.344   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.970  | 49    | 36984    | 23.475   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.047  | 42    | 138737   | 113.901  | ug/l   | 99       |
| 30) Chloroform               | 5.086  | 83    | 84629    | 21.058   | ug/l   | 93       |
| 31) Cyclohexane              | 5.388  | 56    | 61085    | 18.351   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.314  | 97    | 73711    | 20.216   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.526  | 75    | 53955    | 18.653   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.803  | 43    | 78867    | 21.568   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.523  | 117   | 61820    | 18.629   | ug/l   | 97       |
| 39) Methylcyclohexane        | 6.761  | 83    | 55632    | 18.343   | ug/l   | 99       |
| 40) Benzene                  | 5.774  | 78    | 167094   | 19.567   | ug/l   | 100      |

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 Sample : VU0608WBSD01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0608WBSD01

Quant Time: Jun 08 16:21:12 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   | 43241    | 23.401  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 67433    | 20.172  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.909  | 43   | 114980   | 21.664  | ug/l   | 99       |
| 44) Trichloroethene           | 6.542  | 130  | 40414    | 18.369  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 49372    | 22.965  | ug/l   | 100      |
| 46) Dibromomethane            | 6.919  | 93   | 33893    | 21.101  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.105  | 83   | 69061    | 21.262  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.960  | 41   | 53048    | 22.265  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 6.964  | 88   | 31612    | 593.522 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 429570   | 124.650 | ug/l   | 100      |
| 52) Toluene                   | 7.970  | 92   | 105105   | 20.577  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 71359    | 20.366  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 73813    | 20.330  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 47592    | 21.111  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 71693    | 21.687  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.575  | 76   | 81525    | 21.487  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 60005    | 95.387  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.684  | 43   | 338885   | 119.779 | ug/l   | 98       |
| 60) Dibromochloromethane      | 8.809  | 129  | 54314    | 21.493  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 49652    | 19.999  | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.552  | 164  | 35142    | 19.161  | ug/l   | 96       |
| 65) Chlorobenzene             | 9.446  | 112  | 109802   | 20.358  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 45809    | 22.376  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.571  | 91   | 183745   | 20.199  | ug/l   | 98       |
| 68) m/p-Xylenes               | 9.693  | 106  | 144341   | 40.570  | ug/l   | 100      |
| 69) o-Xylene                  | 10.099 | 106  | 74329    | 21.265  | ug/l   | 98       |
| 70) Styrene                   | 10.115 | 104  | 124339   | 21.626  | ug/l   | 98       |
| 71) Bromoform                 | 10.291 | 173  | 42666    | 22.540  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.484 | 105  | 195798   | 21.032  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.320 | 43   | 98548    | 22.345  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 92613    | 24.378  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 103450   | 22.251  | ug/l   | 98       |
| 77) Bromobenzene              | 10.783 | 156  | 52237    | 20.894  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.906 | 91   | 231719   | 20.889  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 146364   | 21.217  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 172777   | 21.342  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 26102    | 20.384  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 166690   | 20.943  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.420 | 119  | 176397   | 22.702  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 172292   | 20.465  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 211692   | 21.778  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 181242   | 21.712  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 96511    | 19.689  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 99770    | 19.701  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.211 | 91   | 145148   | 18.798  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.475 | 117  | 35196    | 20.660  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 102141   | 20.626  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 22630    | 20.689  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 56599    | 17.418  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 33265    | 21.357  | ug/l   | 99       |
| 95) Naphthalene               | 14.089 | 128  | 178231   | 17.440  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 58162    | 18.071  | ug/l   | 99       |

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Sample : VU0608WBSD01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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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

