

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062922\  
 Data File : VU049532.D  
 Acq On : 29 Jun 2022 23:36  
 Operator : SY/MD  
 Sample : VU0629WBSD02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0629WBSD02

Quant Time: Jun 30 00:51:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.372  | 168   | 224208   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.247  | 114   | 385860   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 347927   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 161394   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.700  | 65    | 167680   | 48.561   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =     | 97.120%  |
| 35) Dibromofluoromethane     | 5.288  | 113   | 132522   | 49.090   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 98.180%  |
| 50) Toluene-d8               | 7.896  | 98    | 476932   | 49.533   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =     | 99.060%  |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 173224   | 46.964   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 93.920%  |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 66152    | 18.361   | ug/l  | 98       |
| 3) Chloromethane             | 1.520  | 50    | 75748    | 16.661   | ug/l  | 97       |
| 4) Vinyl Chloride            | 1.604  | 62    | 71036    | 19.584   | ug/l  | 98       |
| 5) Bromomethane              | 1.848  | 94    | 28749    | 25.489   | ug/l  | 96       |
| 6) Chloroethane              | 1.925  | 64    | 38971    | 24.313   | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 2.134  | 101   | 84709    | 18.324   | ug/l  | 97       |
| 8) Diethyl Ether             | 2.375  | 74    | 34007    | 20.365   | ug/l  | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578  | 101   | 49602    | 19.943   | ug/l  | 97       |
| 10) Methyl Iodide            | 2.719  | 142   | 67458    | 30.964   | ug/l  | 94       |
| 11) Tert butyl alcohol       | 3.192  | 59    | 117543   | 145.439  | ug/l  | # 51     |
| 12) 1,1-Dichloroethene       | 2.578  | 96    | 49849    | 20.470   | ug/l  | 91       |
| 13) Acrolein                 | 2.485  | 56    | 26336    | 48.118   | ug/l  | 98       |
| 14) Allyl chloride           | 2.922  | 41    | 97171    | 19.744   | ug/l  | # 87     |
| 15) Acrylonitrile            | 3.314  | 53    | 208674   | 107.356  | ug/l  | 100      |
| 16) Acetone                  | 2.629  | 43    | 173268   | 99.505   | ug/l  | 99       |
| 17) Carbon Disulfide         | 2.790  | 76    | 137285   | 18.077   | ug/l  | 99       |
| 18) Methyl Acetate           | 2.948  | 43    | 103202   | 21.894   | ug/l  | 92       |
| 19) Methyl tert-butyl Ether  | 3.362  | 73    | 188023   | 20.760   | ug/l  | 98       |
| 20) Methylene Chloride       | 3.044  | 84    | 61714    | 20.858   | ug/l  | 91       |
| 21) trans-1,2-Dichloroethene | 3.350  | 96    | 53493    | 20.377   | ug/l  | 90       |
| 22) Diisopropyl ether        | 3.993  | 45    | 197346   | 21.002   | ug/l  | # 76     |
| 23) Vinyl Acetate            | 3.954  | 43    | 831783   | 100.993  | ug/l  | 94       |
| 24) 1,1-Dichloroethane       | 3.867  | 63    | 108423   | 20.088   | ug/l  | 97       |
| 25) 2-Butanone               | 4.703  | 43    | 282173   | 108.129  | ug/l  | 95       |
| 26) 2,2-Dichloropropane      | 4.665  | 77    | 63363    | 14.105   | ug/l  | 100      |
| 27) cis-1,2-Dichloroethene   | 4.668  | 96    | 62794    | 20.703   | ug/l  | 90       |
| 28) Bromochloromethane       | 4.973  | 49    | 48003    | 20.346   | ug/l  | # 78     |
| 29) Tetrahydrofuran          | 5.051  | 42    | 193362   | 108.011  | ug/l  | 87       |
| 30) Chloroform               | 5.089  | 83    | 107326   | 20.101   | ug/l  | 98       |
| 31) Cyclohexane              | 5.388  | 56    | 102003   | 19.674   | ug/l  | 93       |
| 32) 1,1,1-Trichloroethane    | 5.314  | 97    | 92359    | 19.937   | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.526  | 75    | 77959    | 19.916   | ug/l  | 96       |
| 37) Ethyl Acetate            | 4.803  | 43    | 106361   | 19.885   | ug/l  | 95       |
| 38) Carbon Tetrachloride     | 5.523  | 117   | 77255    | 18.819   | ug/l  | 99       |
| 39) Methylcyclohexane        | 6.761  | 83    | 89347    | 19.043   | ug/l  | 93       |
| 40) Benzene                  | 5.774  | 78    | 238656   | 20.194   | ug/l  | 99       |

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 Sample : VU0629WBSD02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0629WBSD02

Quant Time: Jun 30 00:51:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 55700    | 20.782  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 86249    | 19.609  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 155615   | 19.855  | ug/l   | 96       |
| 44) Trichloroethene           | 6.542  | 130  | 56212    | 20.009  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 66136    | 20.197  | ug/l   | 99       |
| 46) Dibromomethane            | 6.919  | 93   | 43459    | 19.906  | ug/l   | 91       |
| 47) Bromodichloromethane      | 7.105  | 83   | 81214    | 19.327  | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.960  | 41   | 74357    | 20.244  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 6.980  | 88   | 44797    | 476.058 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 527394   | 100.546 | ug/l   | 96       |
| 52) Toluene                   | 7.967  | 92   | 142520   | 20.290  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 81688    | 18.123  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 92449    | 19.209  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.398  | 97   | 59940    | 20.639  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 98713    | 20.322  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 8.575  | 76   | 103434   | 20.077  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 44716    | 124.656 | ug/l   | 93       |
| 59) 2-Hexanone                | 8.684  | 43   | 413496   | 100.246 | ug/l   | 94       |
| 60) Dibromochloromethane      | 8.809  | 129  | 61319    | 20.304  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.922  | 107  | 64059    | 20.241  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.552  | 164  | 45462    | 20.372  | ug/l   | 94       |
| 65) Chlorobenzene             | 9.446  | 112  | 144898   | 20.371  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 54534    | 20.324  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.568  | 91   | 265356   | 20.321  | ug/l   | 97       |
| 68) m/p-Xylenes               | 9.693  | 106  | 199796   | 41.352  | ug/l   | 92       |
| 69) o-Xylene                  | 10.099 | 106  | 100660   | 20.986  | ug/l   | 91       |
| 70) Styrene                   | 10.115 | 104  | 158685   | 20.590  | ug/l   | 96       |
| 71) Bromoform                 | 10.291 | 173  | 44021    | 19.128  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.484 | 105  | 259571   | 22.577  | ug/l   | 96       |
| 74) N-amyl acetate            | 10.320 | 43   | 125978   | 20.703  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 103090   | 21.168  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.822 | 75   | 110382   | 20.175  | ug/l   | 97       |
| 77) Bromobenzene              | 10.780 | 156  | 60113    | 21.420  | ug/l   | 84       |
| 78) n-propylbenzene           | 10.906 | 91   | 298115   | 21.339  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 182906   | 21.251  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 217757   | 21.695  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 25388    | 17.136  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 202397   | 20.908  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 215990   | 21.878  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 216651   | 21.972  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 11.642 | 105  | 262614   | 21.158  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 208800   | 20.802  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 110307   | 20.560  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 110134   | 20.423  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.208 | 91   | 177668   | 19.121  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.475 | 117  | 37632    | 18.823  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 113865   | 21.122  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 24903    | 19.942  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 70899    | 20.664  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 30391    | 18.174  | ug/l   | 98       |
| 95) Naphthalene               | 14.086 | 128  | 268590   | 22.255  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 76147    | 21.168  | ug/l   | 96       |

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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Time: Jun 30 00:51:32 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 28 10:35:43 2022  
Response via : Initial Calibration

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

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

