

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061521\  
 Data File : VU044220.D  
 Acq On : 15 Jun 2021 12:09  
 Operator : SY/MD  
 Sample : VU0615WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0615WBS01

Quant Time: Jun 15 17:24:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 05:11:37 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|------|----------|---------|----------|----------|
| -----                        |        |      |          |         |          |          |
| Internal Standards           |        |      |          |         |          |          |
| 1) Pentafluorobenzene        | 5.385  | 168  | 168201   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.260  | 114  | 284810   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 9.423  | 117  | 276732   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.819 | 152  | 154258   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.710  | 65   | 121626   | 45.471  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 90.940%  |          |
| 35) Dibromofluoromethane     | 5.298  | 113  | 99492    | 50.218  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 100.440% |          |
| 50) Toluene-d8               | 7.906  | 98   | 371878   | 48.875  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 97.740%  |          |
| 62) 4-Bromofluorobenzene     | 10.639 | 95   | 143256   | 46.981  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 93.960%  |          |
| Target Compounds             |        |      |          |         |          |          |
|                              |        |      |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.392  | 85   | 41125    | 17.333  | ug/l     | 98       |
| 3) Chloromethane             | 1.523  | 50   | 46833    | 16.320  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.610  | 62   | 47654    | 16.834  | ug/l     | 98       |
| 5) Bromomethane              | 1.864  | 94   | 29094    | 24.907  | ug/l     | 99       |
| 6) Chloroethane              | 1.941  | 64   | 27209    | 16.328  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.144  | 101  | 61855    | 18.165  | ug/l     | 100      |
| 8) Diethyl Ether             | 2.385  | 74   | 25332    | 18.186  | ug/l     | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.588  | 101  | 37856    | 18.250  | ug/l     | 95       |
| 10) Methyl Iodide            | 2.732  | 142  | 44786    | 18.717  | ug/l     | 99       |
| 11) Tert butyl alcohol       | 3.256  | 59   | 67581    | 93.919  | ug/l #   | 87       |
| 12) 1,1-Dichloroethene       | 2.588  | 96   | 37320    | 18.047  | ug/l     | 96       |
| 13) Acrolein                 | 2.501  | 56   | 26663    | 66.289  | ug/l     | 98       |
| 14) Allyl chloride           | 2.935  | 41   | 62400    | 16.170  | ug/l     | 98       |
| 15) Acrylonitrile            | 3.330  | 53   | 143303   | 96.315  | ug/l     | 100      |
| 16) Acetone                  | 2.652  | 43   | 144792   | 103.585 | ug/l     | 97       |
| 17) Carbon Disulfide         | 2.803  | 76   | 113997   | 17.168  | ug/l     | 100      |
| 18) Methyl Acetate           | 2.964  | 43   | 65834    | 19.133  | ug/l     | 96       |
| 19) Methyl tert-butyl Ether  | 3.375  | 73   | 115575   | 18.302  | ug/l     | 100      |
| 20) Methylene Chloride       | 3.057  | 84   | 47794    | 19.087  | ug/l     | 95       |
| 21) trans-1,2-Dichloroethene | 3.363  | 96   | 42945    | 18.800  | ug/l     | 95       |
| 22) Diisopropyl ether        | 4.006  | 45   | 117562   | 17.696  | ug/l #   | 81       |
| 23) Vinyl Acetate            | 3.970  | 43   | 543313   | 86.181  | ug/l     | 98       |
| 24) 1,1-Dichloroethane       | 3.880  | 63   | 79030    | 17.901  | ug/l     | 98       |
| 25) 2-Butanone               | 4.723  | 43   | 203995   | 91.372  | ug/l     | 99       |
| 26) 2,2-Dichloropropane      | 4.674  | 77   | 62246    | 17.853  | ug/l     | 100      |
| 27) cis-1,2-Dichloroethene   | 4.678  | 96   | 46799    | 18.365  | ug/l     | 95       |
| 28) Bromochloromethane       | 4.983  | 49   | 38840    | 18.441  | ug/l     | 92       |
| 29) Tetrahydrofuran          | 5.070  | 42   | 117311   | 96.662  | ug/l     | 97       |
| 30) Chloroform               | 5.099  | 83   | 79059    | 18.337  | ug/l     | 100      |
| 31) Cyclohexane              | 5.398  | 56   | 63693    | 16.873  | ug/l     | 94       |
| 32) 1,1,1-Trichloroethane    | 5.327  | 97   | 66427    | 18.530  | ug/l     | 97       |
| 36) 1,1-Dichloropropene      | 5.536  | 75   | 59841    | 18.885  | ug/l     | 99       |
| 37) Ethyl Acetate            | 4.819  | 43   | 72536    | 19.116  | ug/l     | 98       |
| 38) Carbon Tetrachloride     | 5.536  | 117  | 55958    | 19.561  | ug/l     | 99       |
| 39) Methylcyclohexane        | 6.771  | 83   | 58400    | 17.278  | ug/l     | 99       |
| 40) Benzene                  | 5.784  | 78   | 178774   | 19.040  | ug/l     | 99       |

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 Sample : VU0615WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0615WBS01

Quant Time: Jun 15 17:24:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 05:11:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.986  | 41   | 37013    | 19.054  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 5.803  | 62   | 61852    | 18.667  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.922  | 43   | 97775    | 18.162  | ug/l   | 97       |
| 44) Trichloroethene           | 6.552  | 130  | 43530    | 20.119  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 6.800  | 63   | 46179    | 18.107  | ug/l   | 99       |
| 46) Dibromomethane            | 6.925  | 93   | 32453    | 19.740  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.115  | 83   | 60826    | 18.804  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.970  | 41   | 45579    | 17.398  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.022  | 88   | 27929    | 407.578 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 368248   | 94.506  | ug/l   | 98       |
| 52) Toluene                   | 7.977  | 92   | 111456   | 20.025  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.218  | 75   | 65517    | 18.511  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 72811    | 19.066  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 44755    | 19.146  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.340  | 69   | 65993    | 18.481  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 8.584  | 76   | 80045    | 19.300  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.472  | 63   | 96286    | 87.620  | ug/l   | 96       |
| 59) 2-Hexanone                | 8.697  | 43   | 287599   | 92.485  | ug/l   | 96       |
| 60) Dibromochloromethane      | 8.816  | 129  | 45704    | 19.660  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.931  | 107  | 48824    | 19.858  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.558  | 164  | 39021    | 20.512  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.452  | 112  | 116172   | 19.632  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 40680    | 19.683  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.578  | 91   | 202531   | 19.054  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.700  | 106  | 159195   | 40.101  | ug/l   | 99       |
| 69) o-Xylene                  | 10.108 | 106  | 73199    | 19.446  | ug/l   | 96       |
| 70) Styrene                   | 10.121 | 104  | 130170   | 19.855  | ug/l   | 98       |
| 71) Bromoform                 | 10.298 | 173  | 33883    | 19.265  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.491 | 105  | 198306   | 19.197  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.330 | 43   | 74666    | 16.095  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 81179    | 18.053  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 93667    | 18.110  | ug/l   | 96       |
| 77) Bromobenzene              | 10.787 | 156  | 48715    | 18.759  | ug/l   | 94       |
| 78) n-propylbenzene           | 10.912 | 91   | 250401   | 18.626  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.992 | 91   | 146772   | 18.428  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 176766   | 19.235  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 25119    | 17.606  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.102 | 91   | 177422   | 18.862  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.427 | 119  | 157617   | 18.281  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 178653   | 19.349  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.648 | 105  | 212674   | 18.783  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.800 | 119  | 185907   | 19.166  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.751 | 146  | 97612    | 19.149  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 100124   | 18.454  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.214 | 91   | 171553   | 17.412  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.481 | 117  | 27815    | 18.120  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.217 | 146  | 94849    | 18.506  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 13.002 | 75   | 18766    | 18.450  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.848 | 180  | 58622    | 18.172  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.028 | 225  | 33597    | 19.408  | ug/l   | 99       |
| 95) Naphthalene               | 14.092 | 128  | 180054   | 18.500  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 59002    | 18.865  | ug/l   | 98       |

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Sample : VU0615WBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_U  
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VU0615WBS01

Quant Time: Jun 15 17:24:06 2021  
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Quant Title : SW846 8260  
QLast Update : Thu Jun 10 05:11:37 2021  
Response via : Initial Calibration

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

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

