

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060721\  
 Data File : VU044054.D  
 Acq On : 07 Jun 2021 13:55  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 6/8/2021 6:50:10 PM

6/8/2021 6:50:10 PM

Quant Time: Jun 08 04:56:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 08 04:55:05 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|------------------------------|--------|------|----------|--------|--------|----------|
| -----                        |        |      |          |        |        |          |
| Internal Standards           |        |      |          |        |        |          |
| 1) Pentafluorobenzene        | 5.382  | 168  | 197945   | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.256  | 114  | 360180   | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.423  | 117  | 350646   | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.819 | 152  | 187649   | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.710  | 65   | 19035    | 4.711  | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 9.420% |          |
| 35) Dibromofluoromethane     | 5.298  | 113  | 13784    | 4.672  | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 9.340% |          |
| 50) Toluene-d8               | 7.906  | 98   | 49334    | 4.902  | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 9.800% |          |
| 62) 4-Bromofluorobenzene     | 10.639 | 95   | 17864    | 4.527  | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 9.060% |          |
| Target Compounds             |        |      |          |        |        |          |
|                              |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 15070    | 5.825  | ug/l   | 96       |
| 3) Chloromethane             | 1.523  | 50   | 21838    | 5.737  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.610  | 62   | 19487    | 6.015  | ug/l   | 99       |
| 5) Bromomethane              | 1.838  | 94   | 8215     | 4.686  | ug/l   | 94       |
| 6) Chloroethane              | 1.925  | 64   | 12622    | 6.112  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 2.137  | 101  | 22682    | 5.357  | ug/l   | 94       |
| 8) Diethyl Ether             | 2.382  | 74   | 9106     | 5.772  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.584  | 101  | 14018    | 5.901  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.726  | 142  | 13424    | 4.589  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.198  | 59   | 22681    | 21.542 | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 2.584  | 96   | 13172    | 5.711  | ug/l   | 99       |
| 13) Acrolein                 | 2.491  | 56   | 20677    | 37.639 | ug/l   | 98       |
| 14) Allyl chloride           | 2.928  | 41   | 25735    | 4.592  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.321  | 53   | 48077    | 24.647 | ug/l   | 98       |
| 16) Acetone                  | 2.633  | 43   | 59616    | 27.422 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.797  | 76   | 41830    | 5.639  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.957  | 43   | 22714    | 4.552  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.372  | 73   | 36368    | 4.666  | ug/l   | 99       |
| 20) Methylene Chloride       | 3.054  | 84   | 17736    | 5.597  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.359  | 96   | 14564    | 5.795  | ug/l   | 98       |
| 22) Diisopropyl ether        | 4.002  | 45   | 42184    | 4.397  | ug/l # | 85       |
| 23) Vinyl Acetate            | 3.964  | 43   | 189022   | 19.360 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.877  | 63   | 29214    | 5.166  | ug/l   | 99       |
| 25) 2-Butanone               | 4.713  | 43   | 74027    | 22.151 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.674  | 77   | 19842    | 5.153  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.671  | 96   | 15697    | 5.447  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.983  | 49   | 15022    | 5.229  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.063  | 42   | 38717    | 20.430 | ug/l   | 98       |
| 30) Chloroform               | 5.099  | 83   | 28551    | 5.241  | ug/l   | 98       |
| 31) Cyclohexane              | 5.398  | 56   | 28054    | 5.845  | ug/l # | 89       |
| 32) 1,1,1-Trichloroethane    | 5.327  | 97   | 21628    | 4.696  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.536  | 75   | 20754    | 5.118  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.813  | 43   | 25329    | 3.811  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.533  | 117  | 18801    | 4.647  | ug/l   | 97       |
| 39) Methylcyclohexane        | 6.774  | 83   | 19851    | 4.975  | ug/l   | 94       |
| 40) Benzene                  | 5.784  | 78   | 62992    | 5.160  | ug/l   | 98       |

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 Data File : VU044054.D  
 Acq On : 07 Jun 2021 13:55  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 6/8/2021 6:50:10 PM

Quant Time: Jun 08 04:56:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 08 04:55:05 2021  
 Response via : Initial Calibration

6/8/2021 6:50:10 PM

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.983  | 41   | 13375    | 3.934   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.803  | 62   | 24006    | 4.622   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.919  | 43   | 34414    | 3.561   | ug/l   | 99       |
| 44) Trichloroethene           | 6.549  | 130  | 14134    | 5.006   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 6.796  | 63   | 17372    | 4.877   | ug/l   | 96       |
| 46) Dibromomethane            | 6.925  | 93   | 10891    | 4.891   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.115  | 83   | 21113    | 4.668   | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.967  | 41   | 16588    | 3.413   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 6.976  | 88   | 8499     | 103.830 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 127288   | 18.350  | ug/l   | 96       |
| 52) Toluene                   | 7.976  | 92   | 36165    | 5.116   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.218  | 75   | 21376    | 4.534   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 23600    | 4.702   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 15076    | 4.920   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 8.343  | 69   | 19217    | 3.987   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 8.584  | 76   | 27950    | 5.110   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.472  | 63   | 27754    | 19.119  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.693  | 43   | 100968   | 18.296  | ug/l   | 94       |
| 60) Dibromochloromethane      | 8.816  | 129  | 14583    | 4.523   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 8.931  | 107  | 15378    | 4.683   | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.558  | 164  | 11967    | 4.556   | ug/l   | 96       |
| 65) Chlorobenzene             | 9.455  | 112  | 38361    | 5.020   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 12637    | 4.355   | ug/l   | 96       |
| 67) Ethyl Benzene             | 9.578  | 91   | 64515    | 4.683   | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.700  | 106  | 48596    | 9.601   | ug/l   | 97       |
| 69) o-Xylene                  | 10.108 | 106  | 22587    | 4.621   | ug/l   | 100      |
| 70) Styrene                   | 10.121 | 104  | 36027    | 4.360   | ug/l   | 98       |
| 71) Bromoform                 | 10.298 | 173  | 10483    | 3.984   | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.491 | 105  | 57897    | 4.362   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.330 | 43   | 25366    | 3.048   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 29441    | 4.720   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 26339m   | 4.419   | ug/l   |          |
| 77) Bromobenzene              | 10.790 | 156  | 14817    | 4.382   | ug/l   | 98       |
| 78) n-propylbenzene           | 10.912 | 91   | 75706    | 4.641   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.992 | 91   | 47878    | 4.751   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 50679    | 4.489   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.555 | 75   | 7704     | 4.165   | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.105 | 91   | 54709    | 4.736   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.426 | 119  | 47669    | 4.319   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 48127    | 4.242   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.651 | 105  | 63667    | 4.682   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.799 | 119  | 51420    | 4.464   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.751 | 146  | 30713    | 4.763   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.844 | 146  | 33090    | 4.961   | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.214 | 91   | 51649    | 4.598   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.481 | 117  | 9391     | 4.953   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.221 | 146  | 30558    | 4.618   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 5980     | 3.968   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.848 | 180  | 15665    | 3.685   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.028 | 225  | 10416    | 5.077   | ug/l   | 96       |
| 95) Naphthalene               | 14.095 | 128  | 40583    | 3.017   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 14697    | 3.479   | ug/l   | 94       |

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Sample : VSTDIC005  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 08 04:56:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 08 04:55:05 2021  
Response via : Initial Calibration

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

MMDadoda  
6/8/2021 6:50:10 PM

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

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

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