

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110521\  
 Data File : VU045550.D  
 Acq On : 05 Nov 2021 10:51  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC005

Quant Time: Nov 05 12:01:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 11:59:48 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.378  | 168   | 132737   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114   | 231888   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117   | 225219   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 114318   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.706  | 65    | 10497    | 4.857    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 9.720%#  |
| 35) Dibromofluoromethane     | 5.292  | 113   | 8257     | 5.600    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 11.200%# |
| 50) Toluene-d8               | 7.902  | 98    | 26926    | 4.657    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 9.320%#  |
| 62) 4-Bromofluorobenzene     | 10.635 | 95    | 11090    | 5.033    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 10.060%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 7063     | 4.005    | ug/l   | 96       |
| 3) Chloromethane             | 1.523  | 50    | 8419     | 3.187    | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.607  | 62    | 8156     | 3.720    | ug/l   | 98       |
| 5) Bromomethane              | 1.848  | 94    | 4971     | 3.734    | ug/l   | 99       |
| 6) Chloroethane              | 1.932  | 64    | 5603     | 4.241    | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 2.141  | 101   | 11127    | 4.532    | ug/l   | 99       |
| 8) Diethyl Ether             | 2.378  | 74    | 4394     | 3.860    | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.584  | 101   | 6767     | 4.588    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.723  | 142   | 7759     | 6.634    | ug/l   | 93       |
| 11) Tert butyl alcohol       | 3.179  | 59    | 7868     | 16.868   | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.581  | 96    | 6363     | 4.196    | ug/l   | 95       |
| 13) Acrolein                 | 2.488  | 56    | 1350     | 12.931   | ug/l   | 88       |
| 14) Allyl chloride           | 2.925  | 41    | 11108    | 3.989    | ug/l   | 99       |
| 15) Acrylonitrile            | 3.314  | 53    | 22192    | 19.623   | ug/l   | 99       |
| 16) Acetone                  | 2.626  | 43    | 19613    | 19.992   | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.796  | 76    | 17559    | 3.979    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.951  | 43    | 14643    | 4.008    | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.366  | 73    | 21887    | 3.923    | ug/l   | 97       |
| 20) Methylene Chloride       | 3.050  | 84    | 7845     | 4.013    | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.356  | 96    | 6651     | 4.070    | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.996  | 45    | 21815    | 4.006    | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.957  | 43    | 80398    | 19.034   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.874  | 63    | 12976    | 4.066    | ug/l   | 97       |
| 25) 2-Butanone               | 4.703  | 43    | 28437    | 19.201   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.671  | 77    | 10630    | 4.300    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.671  | 96    | 7567     | 4.024    | ug/l   | 98       |
| 28) Bromochloromethane       | 4.976  | 49    | 7576     | 4.813    | ug/l # | 98       |
| 29) Tetrahydrofuran          | 5.050  | 42    | 18361    | 19.116   | ug/l   | 97       |
| 30) Chloroform               | 5.092  | 83    | 13539    | 4.376    | ug/l   | 98       |
| 31) Cyclohexane              | 5.391  | 56    | 14919    | 4.637    | ug/l # | 82       |
| 32) 1,1,1-Trichloroethane    | 5.321  | 97    | 10794    | 4.251    | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.529  | 75    | 10055    | 4.555    | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.806  | 43    | 10648    | 3.983    | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.526  | 117   | 9998     | 5.193    | ug/l   | 94       |
| 39) Methylcyclohexane        | 6.767  | 83    | 11689    | 4.258    | ug/l   | 94       |
| 40) Benzene                  | 5.777  | 78    | 29238    | 4.400    | ug/l   | 96       |

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 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC005

Quant Time: Nov 05 12:01:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 11:59:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 5496     | 3.885  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.796  | 62   | 10713    | 4.390  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 16019    | 3.976  | ug/l   | 99       |
| 44) Trichloroethene           | 6.549  | 130  | 7002     | 4.547  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.796  | 63   | 7850     | 4.489  | ug/l   | 97       |
| 46) Dibromomethane            | 6.922  | 93   | 5430     | 4.769  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 10140    | 4.525  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.964  | 41   | 7272     | 3.808  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 6.967  | 88   | 3945     | 81.289 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 53039    | 20.369 | ug/l   | 99       |
| 52) Toluene                   | 7.973  | 92   | 17688    | 4.379  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 10607    | 4.153  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 11533    | 4.216  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 7339     | 4.448  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 8.336  | 69   | 10432    | 3.969  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 13634    | 4.655  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 35616    | 23.550 | ug/l   | 99       |
| 59) 2-Hexanone                | 8.687  | 43   | 40375    | 20.012 | ug/l   | 96       |
| 60) Dibromochloromethane      | 8.816  | 129  | 6796     | 4.292  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 8009     | 4.634  | ug/l   | 97       |
| 64) Tetrachloroethene         | 8.555  | 164  | 5828     | 4.527  | ug/l   | 95       |
| 65) Chlorobenzene             | 9.449  | 112  | 19973    | 4.677  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 6833     | 4.743  | ug/l   | 94       |
| 67) Ethyl Benzene             | 9.571  | 91   | 33621    | 4.298  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 25124    | 8.509  | ug/l   | 99       |
| 69) o-Xylene                  | 10.102 | 106  | 12754    | 4.430  | ug/l   | 95       |
| 70) Styrene                   | 10.118 | 104  | 19321    | 4.001  | ug/l   | 100      |
| 71) Bromoform                 | 10.295 | 173  | 5220     | 4.482  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.487 | 105  | 31595    | 4.099  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.320 | 43   | 13429    | 3.798  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 13182    | 4.309  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 10.828 | 75   | 15062    | 4.945  | ug/l   | 91       |
| 77) Bromobenzene              | 10.783 | 156  | 7852     | 4.366  | ug/l   | 96       |
| 78) n-propylbenzene           | 10.909 | 91   | 39524    | 4.229  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 24048    | 4.275  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 27173    | 4.189  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 3390     | 3.375  | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 11.098 | 91   | 27989    | 4.376  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 26017    | 4.155  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 27160    | 4.179  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.645 | 105  | 34959    | 4.255  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 27878    | 4.193  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 16128    | 4.543  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 16484    | 4.540  | ug/l   | 92       |
| 89) n-Butylbenzene            | 12.211 | 91   | 26464    | 4.146  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 5025     | 4.285  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 15482    | 4.360  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 2758     | 3.753  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 10218    | 4.297  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 4514     | 5.214  | ug/l   | 98       |
| 95) Naphthalene               | 14.089 | 128  | 31827    | 3.700  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 10269    | 4.284  | ug/l   | 97       |

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Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Quant Time: Nov 05 12:01:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 11:59:48 2021  
Response via : Initial Calibration

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

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

