

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092521\  
 Data File : VU044821.D  
 Acq On : 24 Sep 2021 20:06  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 9/27/2021 11:02:35 AM

Quant Time: Sep 25 00:58:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 00:57:07 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Pentafluorobenzene        | 5.378  | 168  | 150227   | 50.000 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114  | 271357   | 50.000 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117  | 256702   | 50.000 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.816 | 152  | 121817   | 50.000 | ug/l    | 0.00     |
|                              |        |      |          |        |         |          |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 5.706  | 65   | 13336    | 5.456  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 10.920% |          |
| 35) Dibromofluoromethane     | 5.292  | 113  | 9368     | 4.977  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 9.960%  |          |
| 50) Toluene-d8               | 7.902  | 98   | 33058    | 4.575  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 9.140%  |          |
| 62) 4-Bromofluorobenzene     | 10.636 | 95   | 11473    | 4.031  | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =      | 8.060%  |          |
|                              |        |      |          |        |         |          |
| Target Compounds             |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 8135     | 3.899  | ug/l    | 99       |
| 3) Chloromethane             | 1.520  | 50   | 13406    | 4.748  | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.607  | 62   | 12760    | 4.994  | ug/l    | 97       |
| 5) Bromomethane              | 1.838  | 94   | 8160     | 7.676  | ug/l    | 98       |
| 6) Chloroethane              | 1.925  | 64   | 8725     | 5.302  | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.134  | 101  | 16161    | 5.241  | ug/l    | 96       |
| 8) Diethyl Ether             | 2.379  | 74   | 7444     | 5.776  | ug/l    | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.581  | 101  | 9334     | 4.989  | ug/l    | 98       |
| 10) Methyl Iodide            | 2.726  | 142  | 8479     | 4.014  | ug/l    | 97       |
| 11) Tert butyl alcohol       | 3.192  | 59   | 22270    | 33.245 | ug/l #  | 94       |
| 12) 1,1-Dichloroethene       | 2.581  | 96   | 8819     | 4.747  | ug/l    | 99       |
| 13) Acrolein                 | 2.488  | 56   | 7085     | 20.456 | ug/l    | 91       |
| 14) Allyl chloride           | 2.925  | 41   | 17193    | 4.925  | ug/l    | 99       |
| 15) Acrylonitrile            | 3.317  | 53   | 40399    | 29.242 | ug/l    | 99       |
| 16) Acetone                  | 2.629  | 43   | 37843    | 26.327 | ug/l    | 99       |
| 17) Carbon Disulfide         | 2.793  | 76   | 24909    | 4.252  | ug/l    | 98       |
| 18) Methyl Acetate           | 2.951  | 43   | 25633    | 7.569  | ug/l    | 97       |
| 19) Methyl tert-butyl Ether  | 3.369  | 73   | 31944    | 5.446  | ug/l    | 99       |
| 20) Methylene Chloride       | 3.051  | 84   | 12072    | 4.950  | ug/l    | 94       |
| 21) trans-1,2-Dichloroethene | 3.356  | 96   | 9626     | 4.714  | ug/l    | 94       |
| 22) Diisopropyl ether        | 3.996  | 45   | 33510    | 5.453  | ug/l #  | 85       |
| 23) Vinyl Acetate            | 3.961  | 43   | 130812   | 23.031 | ug/l    | 99       |
| 24) 1,1-Dichloroethane       | 3.870  | 63   | 20321    | 5.076  | ug/l    | 98       |
| 25) 2-Butanone               | 4.710  | 43   | 54040    | 26.294 | ug/l    | 99       |
| 26) 2,2-Dichloropropane      | 4.671  | 77   | 14506    | 4.635  | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene   | 4.674  | 96   | 11362    | 4.928  | ug/l    | 97       |
| 28) Bromochloromethane       | 4.980  | 49   | 9909     | 5.203  | ug/l #  | 99       |
| 29) Tetrahydrofuran          | 5.057  | 42   | 34228    | 29.859 | ug/l    | 98       |
| 30) Chloroform               | 5.092  | 83   | 21029    | 5.378  | ug/l    | 97       |
| 31) Cyclohexane              | 5.391  | 56   | 20939    | 6.035  | ug/l #  | 85       |
| 32) 1,1,1-Trichloroethane    | 5.321  | 97   | 16230    | 5.004  | ug/l    | 97       |
| 36) 1,1-Dichloropropene      | 5.533  | 75   | 14027    | 4.643  | ug/l    | 99       |
| 37) Ethyl Acetate            | 4.809  | 43   | 20188    | 5.410  | ug/l    | 98       |
| 38) Carbon Tetrachloride     | 5.530  | 117  | 12776    | 4.682  | ug/l    | 97       |
| 39) Methylcyclohexane        | 6.767  | 83   | 15276    | 4.674  | ug/l    | 93       |
| 40) Benzene                  | 5.777  | 78   | 43876    | 4.894  | ug/l    | 98       |

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 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
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 9/27/2021 11:02:35 AM

Quant Time: Sep 25 00:58:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 00:57:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.977  | 41   | 9964     | 5.233  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.796  | 62   | 17826    | 5.527  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.915  | 43   | 28945    | 5.489  | ug/l   | 97       |
| 44) Trichloroethene           | 6.546  | 130  | 10107    | 4.883  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 11479    | 4.665  | ug/l   | 89       |
| 46) Dibromomethane            | 6.922  | 93   | 8089     | 5.109  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.112  | 83   | 14827    | 4.766  | ug/l   | 95       |
| 48) Methyl methacrylate       | 6.964  | 41   | 12904    | 5.037  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 6.970  | 88   | 6376     | 95.481 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 7.796  | 43   | 99235    | 26.093 | ug/l   | 99       |
| 52) Toluene                   | 7.973  | 92   | 25822    | 4.863  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 14634    | 4.333  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 16235    | 4.459  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 11568    | 5.160  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.337  | 69   | 15103    | 4.406  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 19749    | 4.960  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.468  | 63   | 15934    | 15.790 | ug/l   | 99       |
| 59) 2-Hexanone                | 8.687  | 43   | 78089    | 25.694 | ug/l   | 96       |
| 60) Dibromochloromethane      | 8.816  | 129  | 10033    | 4.529  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 11784    | 4.998  | ug/l   | 97       |
| 64) Tetrachloroethene         | 8.558  | 164  | 8968     | 5.041  | ug/l   | 97       |
| 65) Chlorobenzene             | 9.449  | 112  | 26021    | 4.726  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 9382     | 4.871  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.574  | 91   | 44895    | 4.551  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.697  | 106  | 33441    | 9.049  | ug/l   | 98       |
| 69) o-Xylene                  | 10.105 | 106  | 16136    | 4.590  | ug/l   | 96       |
| 70) Styrene                   | 10.118 | 104  | 25967    | 4.266  | ug/l   | 99       |
| 71) Bromoform                 | 10.295 | 173  | 7056     | 4.343  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.488 | 105  | 42028    | 5.089  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.324 | 43   | 19583    | 5.130  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 20168    | 5.584  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.828 | 75   | 18508m   | 4.619  | ug/l   |          |
| 77) Bromobenzene              | 10.787 | 156  | 10095    | 4.873  | ug/l   | 95       |
| 78) n-propylbenzene           | 10.909 | 91   | 49911    | 4.671  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 32032    | 5.052  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 34368    | 4.709  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 4791     | 4.235  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.102 | 91   | 35404    | 4.754  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 33949    | 4.943  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 33544    | 4.593  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.648 | 105  | 43028    | 4.752  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 34263    | 4.475  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 20014    | 4.952  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 20758    | 4.830  | ug/l   | 94       |
| 89) n-Butylbenzene            | 12.211 | 91   | 29263    | 3.792  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 6443     | 5.211  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.217 | 146  | 20488    | 5.003  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 13.002 | 75   | 4355     | 5.200  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 10111    | 3.960  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.024 | 225  | 5025     | 3.799  | ug/l   | 98       |
| 95) Naphthalene               | 14.089 | 128  | 29314    | 3.537  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 9891     | 3.948  | ug/l   | 98       |

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ALS Vial : 26 Sample Multiplier: 1

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VSTDIC005

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9/27/2021 11:02:35 AM

Quant Time: Sep 25 00:58:03 2021  
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Quant Title : SW846 8260  
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

