

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110521\  
 Data File : VU045555.D  
 Acq On : 05 Nov 2021 13:47  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICSVU110521

Quant Time: Nov 05 15:10:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.378  | 168   | 146715   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114   | 251862   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117   | 246265   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.815 | 152   | 125759   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.706  | 65    | 108638   | 49.443   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =     | 98.880%  |
| 35) Dibromofluoromethane     | 5.295  | 113   | 83818    | 49.846   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =     | 99.700%  |
| 50) Toluene-d8               | 7.902  | 98    | 321669   | 51.444   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =     | 102.880% |
| 62) 4-Bromofluorobenzene     | 10.635 | 95    | 126802   | 50.572   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =     | 101.140% |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 98072    | 51.556   | ug/l  | 100      |
| 3) Chloromethane             | 1.523  | 50    | 105129   | 48.302   | ug/l  | 98       |
| 4) Vinyl Chloride            | 1.604  | 62    | 105931   | 49.963   | ug/l  | 99       |
| 5) Bromomethane              | 1.845  | 94    | 67236    | 56.856   | ug/l  | 97       |
| 6) Chloroethane              | 1.928  | 64    | 64561    | 46.660   | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 2.137  | 101   | 138689   | 49.468   | ug/l  | 100      |
| 8) Diethyl Ether             | 2.379  | 74    | 54715    | 49.302   | ug/l  | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.581  | 101   | 81531    | 49.802   | ug/l  | 96       |
| 10) Methyl Iodide            | 2.726  | 142   | 105688   | 49.332   | ug/l  | 94       |
| 11) Tert butyl alcohol       | 3.176  | 59    | 113212   | 260.316  | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 2.581  | 96    | 78497    | 48.632   | ug/l  | 97       |
| 13) Acrolein                 | 2.485  | 56    | 19146    | 303.795  | ug/l  | 98       |
| 14) Allyl chloride           | 2.925  | 41    | 141946   | 49.250   | ug/l  | 98       |
| 15) Acrylonitrile            | 3.314  | 53    | 297496   | 256.210  | ug/l  | 98       |
| 16) Acetone                  | 2.623  | 43    | 272221   | 243.381  | ug/l  | 97       |
| 17) Carbon Disulfide         | 2.797  | 76    | 220277   | 48.722   | ug/l  | 99       |
| 18) Methyl Acetate           | 2.948  | 43    | 187301   | 49.165   | ug/l  | 99       |
| 19) Methyl tert-butyl Ether  | 3.366  | 73    | 293459   | 50.507   | ug/l  | 99       |
| 20) Methylene Chloride       | 3.047  | 84    | 93029    | 47.867   | ug/l  | 98       |
| 21) trans-1,2-Dichloroethene | 3.356  | 96    | 83572    | 49.768   | ug/l  | 99       |
| 22) Diisopropyl ether        | 3.996  | 45    | 283528   | 50.101   | ug/l  | 94       |
| 23) Vinyl Acetate            | 3.957  | 43    | 1119473  | 257.203  | ug/l  | 100      |
| 24) 1,1-Dichloroethane       | 3.874  | 63    | 167634   | 49.709   | ug/l  | 99       |
| 25) 2-Butanone               | 4.700  | 43    | 393618   | 253.733  | ug/l  | 98       |
| 26) 2,2-Dichloropropane      | 4.671  | 77    | 143998   | 51.530   | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 4.668  | 96    | 98813    | 50.100   | ug/l  | 99       |
| 28) Bromochloromethane       | 4.977  | 49    | 77007    | 47.898   | ug/l  | 95       |
| 29) Tetrahydrofuran          | 5.050  | 42    | 236082   | 248.793  | ug/l  | 98       |
| 30) Chloroform               | 5.092  | 83    | 164043   | 49.185   | ug/l  | 99       |
| 31) Cyclohexane              | 5.391  | 56    | 151777   | 47.342   | ug/l  | 98       |
| 32) 1,1,1-Trichloroethane    | 5.321  | 97    | 143315   | 50.389   | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 5.530  | 75    | 124339   | 50.630   | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.803  | 43    | 142596   | 50.547   | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.530  | 117   | 124568   | 50.312   | ug/l  | 99       |
| 39) Methylcyclohexane        | 6.767  | 83    | 157042   | 52.124   | ug/l  | 96       |
| 40) Benzene                  | 5.777  | 78    | 355684   | 48.919   | ug/l  | 99       |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICSVU110521

Quant Time: Nov 05 15:10:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 78369    | 52.567   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.796  | 62   | 131832   | 50.197   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 220479   | 51.097   | ug/l   | 99       |
| 44) Trichloroethene           | 6.546  | 130  | 88711    | 50.971   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 6.796  | 63   | 97488    | 50.673   | ug/l   | 99       |
| 46) Dibromomethane            | 6.922  | 93   | 66385    | 49.800   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.108  | 83   | 128555   | 50.826   | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.964  | 41   | 103466   | 52.097   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 6.964  | 88   | 53533    | 1048.148 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 732342   | 257.290  | ug/l   | 100      |
| 52) Toluene                   | 7.973  | 92   | 229112   | 51.470   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 152048   | 52.306   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 162104   | 52.502   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 92246    | 50.001   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.337  | 69   | 156437   | 47.407   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 166628   | 50.146   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 424666   | 250.030  | ug/l   | 99       |
| 59) 2-Hexanone                | 8.687  | 43   | 580045   | 234.675  | ug/l   | 100      |
| 60) Dibromochloromethane      | 8.812  | 129  | 99982    | 52.045   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 101237   | 51.164   | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.558  | 164  | 71938    | 50.895   | ug/l   | 98       |
| 65) Chlorobenzene             | 9.449  | 112  | 239161   | 49.441   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 86367    | 50.061   | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.574  | 91   | 444298   | 51.289   | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 345062   | 105.621  | ug/l   | 99       |
| 69) o-Xylene                  | 10.105 | 106  | 167078   | 52.603   | ug/l   | 99       |
| 70) Styrene                   | 10.118 | 104  | 284884   | 53.018   | ug/l   | 98       |
| 71) Bromoform                 | 10.295 | 173  | 76078    | 46.801   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 443250   | 53.943   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.324 | 43   | 202528   | 54.636   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 165349   | 50.790   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.828 | 75   | 196068   | 51.411   | ug/l   | 92       |
| 77) Bromobenzene              | 10.787 | 156  | 103097   | 51.677   | ug/l   | 97       |
| 78) n-propylbenzene           | 10.909 | 91   | 543820   | 53.176   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 316173   | 52.328   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 386167   | 53.789   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 56231    | 48.403   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.098 | 91   | 373855   | 52.760   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 370724   | 54.171   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 387293   | 54.279   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.648 | 105  | 490025   | 53.989   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 410037   | 54.062   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 202718   | 50.361   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 205801   | 50.551   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.211 | 91   | 392417   | 53.710   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.478 | 117  | 72564    | 53.035   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 199662   | 50.983   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 41784    | 54.394   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 144482   | 53.357   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.024 | 225  | 60813    | 52.028   | ug/l   | 99       |
| 95) Naphthalene               | 14.089 | 128  | 522804   | 51.329   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 143853   | 53.485   | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

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

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

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