

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092721\  
 Data File : VU044905.D  
 Acq On : 27 Sep 2021 22:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/28/2021 1:33:39 PM

Quant Time: Sep 28 06:29:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 09:30:46 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|------|----------|---------|----------|----------|
| -----                        |        |      |          |         |          |          |
| Internal Standards           |        |      |          |         |          |          |
| 1) Pentafluorobenzene        | 5.379  | 168  | 141418   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114  | 259974   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117  | 248033   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.816 | 152  | 133437   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.703  | 65   | 125670   | 50.917  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 101.840% |          |
| 35) Dibromofluoromethane     | 5.292  | 113  | 90751    | 50.885  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 101.760% |          |
| 50) Toluene-d8               | 7.903  | 98   | 343392   | 50.981  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 101.960% |          |
| 62) 4-Bromofluorobenzene     | 10.636 | 95   | 141105   | 56.401  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 112.800% |          |
| Target Compounds             |        |      |          |         |          |          |
|                              |        |      |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 98383    | 58.088  | ug/l     | 99       |
| 3) Chloromethane             | 1.517  | 50   | 119122   | 46.345  | ug/l     | 100      |
| 4) Vinyl Chloride            | 1.607  | 62   | 125276   | 52.222  | ug/l     | 100      |
| 5) Bromomethane              | 1.838  | 94   | 51470    | 43.529  | ug/l     | 99       |
| 6) Chloroethane              | 1.909  | 64   | 78092    | 48.499  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.125  | 101  | 167092   | 56.717  | ug/l     | 100      |
| 8) Diethyl Ether             | 2.379  | 74   | 78414    | 58.143  | ug/l     | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.575  | 101  | 96050    | 55.828  | ug/l     | 98       |
| 10) Methyl Iodide            | 2.719  | 142  | 104026   | 55.643  | ug/l     | 97       |
| 11) Tert butyl alcohol       | 3.266  | 59   | 186579m  | 259.001 | ug/l     |          |
| 12) 1,1-Dichloroethene       | 2.575  | 96   | 96232    | 56.517  | ug/l     | 97       |
| 13) Acrolein                 | 2.488  | 56   | 50424    | 259.187 | ug/l     | 100      |
| 14) Allyl chloride           | 2.922  | 41   | 174967   | 52.941  | ug/l     | 96       |
| 15) Acrylonitrile            | 3.321  | 53   | 379918   | 252.473 | ug/l     | 99       |
| 16) Acetone                  | 2.636  | 43   | 326468   | 234.499 | ug/l     | 100      |
| 17) Carbon Disulfide         | 2.790  | 76   | 273101   | 57.014  | ug/l     | 100      |
| 18) Methyl Acetate           | 2.951  | 43   | 229686   | 49.383  | ug/l     | 98       |
| 19) Methyl tert-butyl Ether  | 3.369  | 73   | 373222   | 58.698  | ug/l     | 98       |
| 20) Methylene Chloride       | 3.044  | 84   | 117571   | 52.169  | ug/l     | 97       |
| 21) trans-1,2-Dichloroethene | 3.353  | 96   | 104353   | 57.239  | ug/l     | 95       |
| 22) Diisopropyl ether        | 3.999  | 45   | 359459   | 55.048  | ug/l     | 95       |
| 23) Vinyl Acetate            | 3.957  | 43   | 1503788  | 280.822 | ug/l     | 98       |
| 24) 1,1-Dichloroethane       | 3.871  | 63   | 208523   | 55.016  | ug/l     | 99       |
| 25) 2-Butanone               | 4.710  | 43   | 533343   | 252.484 | ug/l     | 98       |
| 26) 2,2-Dichloropropane      | 4.668  | 77   | 154129   | 54.225  | ug/l     | 97       |
| 27) cis-1,2-Dichloroethene   | 4.668  | 96   | 122736   | 55.354  | ug/l     | 98       |
| 28) Bromochloromethane       | 4.977  | 49   | 74482    | 41.353  | ug/l     | 95       |
| 29) Tetrahydrofuran          | 5.054  | 42   | 335317   | 252.318 | ug/l     | 95       |
| 30) Chloroform               | 5.092  | 83   | 207701   | 54.500  | ug/l     | 98       |
| 31) Cyclohexane              | 5.388  | 56   | 192641   | 54.365  | ug/l     | 95       |
| 32) 1,1,1-Trichloroethane    | 5.317  | 97   | 173765   | 56.431  | ug/l     | 98       |
| 36) 1,1-Dichloropropene      | 5.530  | 75   | 153660   | 55.707  | ug/l     | 99       |
| 37) Ethyl Acetate            | 4.806  | 43   | 198552   | 49.058  | ug/l     | 98       |
| 38) Carbon Tetrachloride     | 5.526  | 117  | 134355   | 54.483  | ug/l     | 98       |
| 39) Methylcyclohexane        | 6.764  | 83   | 190018   | 60.908  | ug/l     | 96       |
| 40) Benzene                  | 5.777  | 78   | 453833   | 53.965  | ug/l     | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092721\  
 Data File : VU044905.D  
 Acq On : 27 Sep 2021 22:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/28/2021 1:33:39 PM

Quant Time: Sep 28 06:29:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 09:30:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.980  | 41   | 104683   | 51.817   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 177454   | 53.635   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.919  | 43   | 303042   | 53.518   | ug/l   | 98       |
| 44) Trichloroethene           | 6.546  | 130  | 106363   | 52.624   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 119668   | 52.578   | ug/l   | 97       |
| 46) Dibromomethane            | 6.922  | 93   | 81625    | 54.123   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 157879   | 53.071   | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.964  | 41   | 146066   | 54.652   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 6.983  | 88   | 77671    | 1137.110 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.803  | 43   | 1107029  | 274.316  | ug/l   | 98       |
| 52) Toluene                   | 7.973  | 92   | 283116   | 56.308   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 180166   | 58.131   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 191175   | 56.957   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 116330   | 54.115   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.340  | 69   | 212306   | 55.240   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 208974   | 54.594   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.468  | 63   | 326328   | 344.538  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.694  | 43   | 912379   | 281.658  | ug/l   | 98       |
| 60) Dibromochloromethane      | 8.816  | 129  | 113953   | 55.356   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 125471   | 55.588   | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.555  | 164  | 93449    | 55.584   | ug/l   | 97       |
| 65) Chlorobenzene             | 9.449  | 112  | 288446   | 56.019   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 102028   | 55.554   | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.574  | 91   | 547695   | 59.594   | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 416909   | 118.606  | ug/l   | 98       |
| 69) o-Xylene                  | 10.102 | 106  | 209063   | 61.508   | ug/l   | 99       |
| 70) Styrene                   | 10.118 | 104  | 355149   | 55.785   | ug/l   | 99       |
| 71) Bromoform                 | 10.298 | 173  | 91083    | 59.938   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 544377   | 57.480   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.324 | 43   | 296692   | 61.463   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 239458   | 55.498   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 231173m  | 57.211   | ug/l   |          |
| 77) Bromobenzene              | 10.787 | 156  | 127478   | 56.340   | ug/l   | 98       |
| 78) n-propylbenzene           | 10.909 | 91   | 669996   | 58.384   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 403777   | 57.732   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 477429   | 59.513   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 76171    | 61.067   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.099 | 91   | 469852   | 59.008   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 463095   | 59.840   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 482749   | 61.039   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.648 | 105  | 605927   | 60.549   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 503815   | 61.886   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 250738   | 57.104   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 256725   | 56.537   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.211 | 91   | 467664   | 55.622   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.481 | 117  | 85919    | 58.569   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.217 | 146  | 260994   | 56.089   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 58768    | 56.171   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 149645   | 58.200   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.024 | 225  | 60624    | 53.000   | ug/l   | 98       |
| 95) Naphthalene               | 14.089 | 128  | 575143   | 56.078   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 150718   | 57.645   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092721\  
Data File : VU044905.D  
Acq On : 27 Sep 2021 22:00  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
9/28/2021 1:33:39 PM

Quant Time: Sep 28 06:29:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 25 09:30:46 2021  
Response via : Initial Calibration

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

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

