

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060222\  
 Data File : VU048821.D  
 Acq On : 02 Jun 2022 22:32  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 03 01:21:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.372  | 168   | 232537   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.246  | 114   | 391292   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 363766   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 202110   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.700  | 65    | 183633   | 52.583   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 105.160% |          |
| 35) Dibromofluoromethane     | 5.288  | 113   | 143696   | 51.475   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 102.960% |          |
| 50) Toluene-d8               | 7.896  | 98    | 510813   | 51.047   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 102.100% |          |
| 62) 4-Bromofluorobenzene     | 10.632 | 95    | 208434   | 55.076   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 110.160% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382  | 85    | 128262   | 48.182   | ug/l       | 98       |
| 3) Chloromethane             | 1.520  | 50    | 170239   | 49.677   | ug/l       | 97       |
| 4) Vinyl Chloride            | 1.600  | 62    | 162518   | 51.204   | ug/l       | 95       |
| 5) Bromomethane              | 1.829  | 94    | 68457    | 37.682   | ug/l       | 98       |
| 6) Chloroethane              | 1.909  | 64    | 94904    | 54.689   | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 2.124  | 101   | 218747   | 48.257   | ug/l       | 100      |
| 8) Diethyl Ether             | 2.372  | 74    | 88945    | 53.172   | ug/l       | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.571  | 101   | 126755   | 51.084   | ug/l       | 98       |
| 10) Methyl Iodide            | 2.716  | 142   | 176772   | 48.084   | ug/l       | 98       |
| 11) Tert butyl alcohol       | 3.198  | 59    | 272922   | 308.252  | ug/l #     | 42       |
| 12) 1,1-Dichloroethene       | 2.571  | 96    | 121937   | 51.521   | ug/l       | 96       |
| 13) Acrolein                 | 2.481  | 56    | 76348    | 260.391  | ug/l       | 99       |
| 14) Allyl chloride           | 2.915  | 41    | 251492   | 54.862   | ug/l       | 96       |
| 15) Acrylonitrile            | 3.308  | 53    | 574468   | 299.164  | ug/l       | 99       |
| 16) Acetone                  | 2.623  | 43    | 479770   | 269.572  | ug/l       | 100      |
| 17) Carbon Disulfide         | 2.784  | 76    | 302988   | 43.854   | ug/l       | 99       |
| 18) Methyl Acetate           | 2.944  | 43    | 294289   | 65.859   | ug/l       | 98       |
| 19) Methyl tert-butyl Ether  | 3.359  | 73    | 510974   | 56.900   | ug/l       | 99       |
| 20) Methylene Chloride       | 3.041  | 84    | 159894   | 52.832   | ug/l       | 99       |
| 21) trans-1,2-Dichloroethene | 3.349  | 96    | 134712   | 49.759   | ug/l       | 95       |
| 22) Diisopropyl ether        | 3.989  | 45    | 512971   | 60.665   | ug/l       | 96       |
| 23) Vinyl Acetate            | 3.951  | 43    | 2186891  | 298.503  | ug/l       | 99       |
| 24) 1,1-Dichloroethane       | 3.864  | 63    | 293437   | 55.254   | ug/l       | 100      |
| 25) 2-Butanone               | 4.697  | 43    | 776260   | 303.610  | ug/l       | 100      |
| 26) 2,2-Dichloropropane      | 4.661  | 77    | 185988   | 39.037   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 4.665  | 96    | 164255   | 52.417   | ug/l       | 96       |
| 28) Bromochloromethane       | 4.970  | 49    | 123207   | 59.148   | ug/l       | 98       |
| 29) Tetrahydrofuran          | 5.047  | 42    | 487542   | 302.729  | ug/l       | 98       |
| 30) Chloroform               | 5.086  | 83    | 289723   | 54.523   | ug/l       | 99       |
| 31) Cyclohexane              | 5.385  | 56    | 229332   | 52.108   | ug/l       | 100      |
| 32) 1,1,1-Trichloroethane    | 5.314  | 97    | 246311   | 51.092   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 5.523  | 75    | 198680   | 48.765   | ug/l       | 99       |
| 37) Ethyl Acetate            | 4.800  | 43    | 271882   | 52.787   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 5.523  | 117   | 207836   | 44.464   | ug/l       | 96       |
| 39) Methylcyclohexane        | 6.761  | 83    | 225050   | 52.681   | ug/l       | 98       |
| 40) Benzene                  | 5.774  | 78    | 604059   | 50.220   | ug/l       | 98       |

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 Acq On : 02 Jun 2022 22:32  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 03 01:21:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 150006   | 57.633   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 229740   | 48.792   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 397077   | 53.116   | ug/l   | 100      |
| 44) Trichloroethene           | 6.542  | 130  | 147419   | 47.572   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 173572   | 57.319   | ug/l   | 99       |
| 46) Dibromomethane            | 6.918  | 93   | 115102   | 50.877   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.105  | 83   | 232019   | 50.713   | ug/l   | 100      |
| 48) Methyl methacrylate       | 6.957  | 41   | 203632   | 60.678   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 6.963  | 88   | 110657   | 1475.020 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 1540652  | 317.392  | ug/l   | 100      |
| 52) Toluene                   | 7.967  | 92   | 379579   | 52.758   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 243446   | 49.327   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 256151   | 50.087   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 165647   | 52.167   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 279277   | 55.363   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 8.574  | 76   | 269340   | 50.398   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 252944   | 226.170  | ug/l   | 97       |
| 59) 2-Hexanone                | 8.684  | 43   | 1174041  | 294.610  | ug/l   | 100      |
| 60) Dibromochloromethane      | 8.809  | 129  | 174145   | 48.926   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 171012   | 48.903   | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.552  | 164  | 113994   | 45.018   | ug/l   | 97       |
| 65) Chlorobenzene             | 9.446  | 112  | 399981   | 51.988   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 155035   | 53.088   | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.571  | 91   | 714388   | 55.054   | ug/l   | 98       |
| 68) m/p-Xylenes               | 9.693  | 106  | 552666   | 108.897  | ug/l   | 98       |
| 69) o-Xylene                  | 10.098 | 106  | 280234   | 56.203   | ug/l   | 100      |
| 70) Styrene                   | 10.115 | 104  | 474674   | 57.878   | ug/l   | 100      |
| 71) Bromoform                 | 10.291 | 173  | 150827   | 55.860   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.484 | 105  | 746811   | 57.235   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.320 | 43   | 381179   | 57.323   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 335829   | 63.069   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 370476   | 56.852   | ug/l   | 99       |
| 77) Bromobenzene              | 10.783 | 156  | 188669   | 53.840   | ug/l   | 97       |
| 78) n-propylbenzene           | 10.905 | 91   | 870095   | 55.962   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 545944   | 56.464   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 659664   | 58.135   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 89622    | 49.936   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 624040   | 55.939   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 669706   | 61.495   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 681073   | 55.558   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 815669   | 59.868   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 700810   | 59.898   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 358102   | 52.122   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 363296   | 51.181   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.208 | 91   | 599327   | 51.124   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.478 | 117  | 124136   | 51.987   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 376277   | 54.213   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.995 | 75   | 81835    | 53.377   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 216028   | 47.431   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 111297   | 50.982   | ug/l   | 97       |
| 95) Naphthalene               | 14.089 | 128  | 732850   | 46.265   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 226359   | 50.178   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Quant Time: Jun 03 01:21:27 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

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

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

