

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092321\  
 Data File : VN068616.D  
 Acq On : 23 Sep 2021 12:11  
 Operator : JC/MD  
 Sample : VSTDIC100  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2021 6:58:50 PM

Quant Time: Sep 23 12:36:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 12:33:58 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 8.086  | 168   | 648766   | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.971  | 114   | 1098218  | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.746 | 117   | 1100077  | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678 | 152   | 476250   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.440  | 65    | 1010051  | 81.818   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | = 163.640%# |          |
| 35) Dibromofluoromethane     | 8.024  | 113   | 737510   | 100.276  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | = 200.560%# |          |
| 50) Toluene-d8               | 10.443 | 98    | 3030997  | 106.136  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | = 212.280%# |          |
| 62) 4-Bromofluorobenzene     | 12.733 | 95    | 1129270  | 99.195   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | = 198.400%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.070  | 85    | 664872   | 74.268   | ug/l        | 100      |
| 3) Chloromethane             | 2.298  | 50    | 1012292  | 100.190  | ug/l        | 99       |
| 4) Vinyl Chloride            | 2.440  | 62    | 1058051  | 108.762  | ug/l        | 97       |
| 5) Bromomethane              | 2.816  | 94    | 424150   | 99.768   | ug/l        | 98       |
| 6) Chloroethane              | 2.990  | 64    | 586201   | 98.694   | ug/l        | 99       |
| 7) Trichlorofluoromethane    | 3.360  | 101   | 1206828  | 91.024   | ug/l        | 100      |
| 8) Diethyl Ether             | 3.821  | 74    | 428195   | 81.362   | ug/l        | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.205  | 101   | 636133   | 81.414   | ug/l        | 92       |
| 10) Methyl Iodide            | 4.419  | 142   | 822924   | 113.874  | ug/l        | 92       |
| 11) Tert butyl alcohol       | 5.371  | 59    | 741846   | 370.828  | ug/l        | 99       |
| 12) 1,1-Dichloroethene       | 4.178  | 96    | 615806   | 81.632   | ug/l        | 94       |
| 13) Acrolein                 | 4.039  | 56    | 242827   | 211.194  | ug/l        | 100      |
| 14) Allyl chloride           | 4.838  | 41    | 1335949  | 80.093   | ug/l        | 96       |
| 15) Acrylonitrile            | 5.554  | 53    | 2113696  | 467.898  | ug/l        | 99       |
| 16) Acetone                  | 4.285  | 43    | 1789388  | 373.882  | ug/l        | 97       |
| 17) Carbon Disulfide         | 4.529  | 76    | 1847431  | 76.181   | ug/l        | 99       |
| 18) Methyl Acetate           | 4.851  | 43    | 1360700  | 110.125  | ug/l        | 99       |
| 19) Methyl tert-butyl Ether  | 5.613  | 73    | 2481473  | 83.143   | ug/l        | 98       |
| 20) Methylene Chloride       | 5.095  | 84    | 748347   | 75.052   | ug/l        | 100      |
| 21) trans-1,2-Dichloroethene | 5.594  | 96    | 692839   | 82.782   | ug/l        | 98       |
| 22) Diisopropyl ether        | 6.495  | 45    | 2902253  | 92.985   | ug/l        | 96       |
| 23) Vinyl Acetate            | 6.434  | 43    | 11587245 | 413.709  | ug/l        | 100      |
| 24) 1,1-Dichloroethane       | 6.388  | 63    | 1417595  | 82.374   | ug/l        | 99       |
| 25) 2-Butanone               | 7.332  | 43    | 3122698  | 455.220  | ug/l        | 99       |
| 26) 2,2-Dichloropropane      | 7.327  | 77    | 1185023  | 69.347   | ug/l        | 96       |
| 27) cis-1,2-Dichloroethene   | 7.327  | 96    | 848525   | 86.188   | ug/l        | 93       |
| 28) Bromochloromethane       | 7.659  | 49    | 638303   | 79.475   | ug/l        | 93       |
| 29) Tetrahydrofuran          | 7.683  | 42    | 2080199  | 479.668  | ug/l        | 97       |
| 30) Chloroform               | 7.817  | 83    | 1463653  | 80.953   | ug/l        | 100      |
| 31) Cyclohexane              | 8.096  | 56    | 1376919  | 82.035   | ug/l        | 98       |
| 32) 1,1,1-Trichloroethane    | 8.016  | 97    | 1304772  | 79.337   | ug/l        | 99       |
| 36) 1,1-Dichloropropene      | 8.222  | 75    | 1106631  | 91.484   | ug/l        | 98       |
| 37) Ethyl Acetate            | 7.412  | 43    | 1280167  | 98.753   | ug/l        | 99       |
| 38) Carbon Tetrachloride     | 8.206  | 117   | 1147167  | 88.864   | ug/l        | 98       |
| 39) Methylcyclohexane        | 9.461  | 83    | 1361562  | 105.238  | ug/l        | 96       |
| 40) Benzene                  | 8.461  | 78    | 3294078  | 96.991   | ug/l        | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092321\  
 Data File : VN068616.D  
 Acq On : 23 Sep 2021 12:11  
 Operator : JC/MD  
 Sample : VSTDIC100  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2021 6:58:50 PM

Quant Time: Sep 23 12:36:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 12:33:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.635  | 41   | 673043   | 100.124  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 1231217  | 87.203   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 2164371  | 93.912   | ug/l   | 100      |
| 44) Trichloroethene           | 9.217  | 130  | 800642   | 100.408  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 880222   | 97.058   | ug/l   | 99       |
| 46) Dibromomethane            | 9.579  | 93   | 574754   | 93.645   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.765  | 83   | 1203045  | 88.176   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.561  | 41   | 1089235  | 101.983  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 297811   | 2039.303 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 7014171  | 520.517  | ug/l   | 99       |
| 52) Toluene                   | 10.507 | 92   | 2164151  | 100.612  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 1406347  | 93.125   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 1438176  | 93.868   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 829617   | 99.583   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 1478418  | 99.592   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 1462167  | 96.708   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.043 | 63   | 1976523  | 464.628  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.087 | 43   | 5025624  | 510.057  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.240 | 129  | 940709   | 103.481  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 879142   | 100.783  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.979 | 164  | 706379   | 92.025   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.773 | 112  | 2318286  | 97.722   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 865260   | 97.833   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.848 | 91   | 4344870  | 93.522   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.956 | 106  | 3245457  | 194.964  | ug/l   | 88       |
| 69) o-Xylene                  | 12.283 | 106  | 1615655  | 99.340   | ug/l   | 89       |
| 70) Styrene                   | 12.296 | 104  | 2694243  | 100.369  | ug/l   | 95       |
| 71) Bromoform                 | 12.460 | 173  | 682733   | 101.406  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 4197589  | 92.611   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.390 | 43   | 1883967  | 86.820   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 1233204  | 91.060   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 992458m  | 81.002   | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 938990   | 100.233  | ug/l   | 81       |
| 78) n-propylbenzene           | 12.924 | 91   | 4876996  | 91.159   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 2870865  | 86.666   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 13.063 | 105  | 3359547  | 88.927   | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 436884   | 89.416   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 2846906  | 86.764   | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 3017007  | 98.627   | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 3308505  | 88.756   | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 4237192  | 98.247   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 3509029  | 100.377  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 1666798  | 99.732   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 1597854  | 95.408   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.943 | 91   | 2996159  | 92.995   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.214 | 117  | 646689   | 95.820   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 1535522  | 97.226   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.605 | 75   | 235167   | 72.353   | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 822170   | 100.486  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 396099   | 85.054   | ug/l   | 99       |
| 95) Naphthalene               | 15.507 | 128  | 2292426  | 93.810   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 778711   | 98.705   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092321\  
Data File : VN068616.D  
Acq On : 23 Sep 2021 12:11  
Operator : JC/MD  
Sample : VSTDICC100  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

MMDadoda  
9/24/2021 6:58:50 PM

Quant Time: Sep 23 12:36:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 12:33:58 2021  
Response via : Initial Calibration

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

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

