

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061021\  
 Data File : VN067277.D  
 Acq On : 10 Jun 2021 17:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/11/2021 6:07:46 PM

Quant Time: Jun 11 05:40:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 05:27:41 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 8.086  | 168   | 345159   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968  | 114   | 663857   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.747 | 117   | 627442   | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.675 | 152   | 276967   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.440  | 65    | 331192   | 50.766   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | = 101.540% |          |
| 35) Dibromofluoromethane     | 8.021  | 113   | 215530   | 50.949   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | = 101.900% |          |
| 50) Toluene-d8               | 10.443 | 98    | 828105   | 49.812   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | = 99.620%  |          |
| 62) 4-Bromofluorobenzene     | 12.734 | 95    | 346114   | 50.030   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | = 100.060% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.070  | 85    | 220533   | 51.340   | ug/l       | 99       |
| 3) Chloromethane             | 2.298  | 50    | 279894   | 50.833   | ug/l       | 96       |
| 4) Vinyl Chloride            | 2.440  | 62    | 269238   | 50.554   | ug/l       | 100      |
| 5) Bromomethane              | 2.826  | 94    | 128298   | 53.175   | ug/l       | 98       |
| 6) Chloroethane              | 3.003  | 64    | 159073   | 50.864   | ug/l       | 98       |
| 7) Trichlorofluoromethane    | 3.363  | 101   | 347961   | 51.642   | ug/l       | 97       |
| 8) Diethyl Ether             | 3.819  | 74    | 150648   | 51.996   | ug/l       | 75       |
| 9) 1,1,2-Trichlorotrifluo... | 4.197  | 101   | 202919   | 51.937   | ug/l #     | 84       |
| 10) Methyl Iodide            | 4.411  | 142   | 224154   | 52.930   | ug/l #     | 80       |
| 11) Tert butyl alcohol       | 5.390  | 59    | 286851   | 258.363  | ug/l #     | 81       |
| 12) 1,1-Dichloroethene       | 4.170  | 96    | 193044   | 51.113   | ug/l #     | 72       |
| 13) Acrolein                 | 4.039  | 56    | 107143   | 240.523  | ug/l       | 94       |
| 14) Allyl chloride           | 4.835  | 41    | 470599   | 51.330   | ug/l #     | 85       |
| 15) Acrylonitrile            | 5.557  | 53    | 617862   | 257.195  | ug/l       | 99       |
| 16) Acetone                  | 4.291  | 43    | 606007   | 230.050  | ug/l #     | 88       |
| 17) Carbon Disulfide         | 4.519  | 76    | 545984   | 49.446   | ug/l       | 100      |
| 18) Methyl Acetate           | 4.857  | 43    | 390997   | 53.323   | ug/l #     | 87       |
| 19) Methyl tert-butyl Ether  | 5.621  | 73    | 783207   | 51.912   | ug/l       | 96       |
| 20) Methylene Chloride       | 5.093  | 84    | 243918   | 51.622   | ug/l #     | 82       |
| 21) trans-1,2-Dichloroethene | 5.589  | 96    | 212287   | 51.830   | ug/l #     | 78       |
| 22) Diisopropyl ether        | 6.501  | 45    | 847566   | 51.569   | ug/l #     | 87       |
| 23) Vinyl Acetate            | 6.436  | 43    | 4023430  | 256.102  | ug/l #     | 92       |
| 24) 1,1-Dichloroethane       | 6.385  | 63    | 478462   | 51.281   | ug/l       | 96       |
| 25) 2-Butanone               | 7.343  | 43    | 1002831  | 249.533  | ug/l #     | 87       |
| 26) 2,2-Dichloropropane      | 7.327  | 77    | 429330   | 47.859   | ug/l       | 91       |
| 27) cis-1,2-Dichloroethene   | 7.327  | 96    | 259965   | 51.973   | ug/l       | 80       |
| 28) Bromochloromethane       | 7.657  | 49    | 228220   | 50.056   | ug/l #     | 64       |
| 29) Tetrahydrofuran          | 7.691  | 42    | 589484   | 260.150  | ug/l #     | 83       |
| 30) Chloroform               | 7.820  | 83    | 487462   | 52.623   | ug/l       | 99       |
| 31) Cyclohexane              | 8.094  | 56    | 372671   | 46.426   | ug/l       | 88       |
| 32) 1,1,1-Trichloroethane    | 8.016  | 97    | 452641   | 53.082   | ug/l #     | 94       |
| 36) 1,1-Dichloropropene      | 8.223  | 75    | 350937   | 49.910   | ug/l       | 92       |
| 37) Ethyl Acetate            | 7.418  | 43    | 405956   | 51.420   | ug/l       | 93       |
| 38) Carbon Tetrachloride     | 8.209  | 117   | 383459   | 52.301   | ug/l       | 97       |
| 39) Methylcyclohexane        | 9.462  | 83    | 342460   | 46.243   | ug/l #     | 88       |
| 40) Benzene                  | 8.461  | 78    | 1009009  | 50.207   | ug/l       | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 05:27:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.641  | 41   | 223490   | 52.316   | ug/l # | 77       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 430454   | 51.961   | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.566  | 43   | 743769   | 50.944   | ug/l # | 89       |
| 44) Trichloroethene           | 9.218  | 130  | 240403   | 51.836   | ug/l   | 79       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 284582   | 50.241   | ug/l   | 99       |
| 46) Dibromomethane            | 9.580  | 93   | 186933   | 51.956   | ug/l # | 76       |
| 47) Bromodichloromethane      | 9.765  | 83   | 417984   | 52.062   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.564  | 41   | 342697   | 50.355   | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.574  | 88   | 86303    | 1051.032 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.336 | 43   | 2229489  | 256.624  | ug/l   | 88       |
| 52) Toluene                   | 10.508 | 92   | 649543   | 51.334   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 472787   | 50.546   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 475770   | 49.928   | ug/l # | 78       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 250680   | 51.712   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 470436   | 52.412   | ug/l # | 71       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 459013   | 51.121   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 564879   | 245.444  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.090 | 43   | 1615699  | 257.565  | ug/l   | 85       |
| 60) Dibromochloromethane      | 11.242 | 129  | 305560   | 54.699   | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 257194   | 51.534   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.980 | 164  | 217888   | 50.308   | ug/l   | 90       |
| 65) Chlorobenzene             | 11.773 | 112  | 680518   | 50.977   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 253890   | 49.774   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.849 | 91   | 1338873  | 51.166   | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.956 | 106  | 960678   | 101.983  | ug/l   | 82       |
| 69) o-Xylene                  | 12.283 | 106  | 477248   | 51.655   | ug/l   | 82       |
| 70) Styrene                   | 12.296 | 104  | 813411   | 52.590   | ug/l # | 91       |
| 71) Bromoform                 | 12.460 | 173  | 211200   | 56.014   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.581 | 105  | 1274748  | 48.861   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.390 | 43   | 685826   | 53.464   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 408408   | 52.566   | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 360882m  | 49.049   | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 265450   | 51.173   | ug/l # | 56       |
| 78) n-propylbenzene           | 12.921 | 91   | 1514355  | 49.734   | ug/l   | 92       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 939485   | 50.246   | ug/l   | 86       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 1088987  | 48.866   | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 138002   | 47.980   | ug/l # | 78       |
| 82) 4-Chlorotoluene           | 13.010 | 91   | 937737   | 50.854   | ug/l   | 89       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 897777   | 48.980   | ug/l   | 84       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 1100027  | 50.397   | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 1308721  | 51.164   | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 1055206  | 48.741   | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 483593   | 51.126   | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 471215   | 50.687   | ug/l   | 93       |
| 89) n-Butylbenzene            | 13.943 | 91   | 961324   | 48.248   | ug/l   | 94       |
| 90) Hexachloroethane          | 14.211 | 117  | 194252   | 49.457   | ug/l   | 72       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 462349   | 51.486   | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 89460    | 47.766   | ug/l   | 62       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 245720   | 53.194   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 128800   | 47.752   | ug/l   | 100      |
| 95) Naphthalene               | 15.507 | 128  | 782351   | 51.480   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.703 | 180  | 239019   | 55.824   | ug/l   | 96       |

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

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