

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072921\  
 Data File : VN067960.D  
 Acq On : 29 Jul 2021 11:20  
 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  
 8/5/2021 7:29:56 PM

Quant Time: Jul 29 14:37:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 29 14:33:20 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 8.085  | 168   | 477013   | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968  | 114   | 829758   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.746 | 117   | 849411   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.677 | 152   | 414251   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.440  | 65    | 695567   | 96.662   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | = 193.320%# |          |
| 35) Dibromofluoromethane     | 8.021  | 113   | 546683   | 109.177  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | = 218.360%# |          |
| 50) Toluene-d8               | 10.443 | 98    | 2377808  | 114.376  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | = 228.760%# |          |
| 62) 4-Bromofluorobenzene     | 12.733 | 95    | 885797   | 121.589  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | = 243.180%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.070  | 85    | 515167   | 122.088  | ug/l        | 99       |
| 3) Chloromethane             | 2.300  | 50    | 588068   | 90.997   | ug/l        | 98       |
| 4) Vinyl Chloride            | 2.443  | 62    | 941194   | 95.909   | ug/l        | 98       |
| 5) Bromomethane              | 2.818  | 94    | 807320   | 99.575   | ug/l        | 99       |
| 6) Chloroethane              | 2.998  | 64    | 662898   | 90.763   | ug/l        | 97       |
| 7) Trichlorofluoromethane    | 3.360  | 101   | 1577846  | 86.986   | ug/l        | 100      |
| 8) Diethyl Ether             | 3.818  | 74    | 307681   | 82.553   | ug/l        | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.197  | 101   | 485666   | 106.967  | ug/l        | 95       |
| 10) Methyl Iodide            | 4.414  | 142   | 672882   | 124.221  | ug/l        | 91       |
| 11) Tert butyl alcohol       | 5.390  | 59    | 461417   | 449.631  | ug/l        | # 87     |
| 12) 1,1-Dichloroethene       | 4.170  | 96    | 466524   | 107.517  | ug/l        | 86       |
| 13) Acrolein                 | 4.038  | 56    | 351669   | 592.063  | ug/l        | 100      |
| 14) Allyl chloride           | 4.835  | 41    | 797481   | 101.713  | ug/l        | 96       |
| 15) Acrylonitrile            | 5.556  | 53    | 1371536  | 531.865  | ug/l        | 99       |
| 16) Acetone                  | 4.288  | 43    | 1086893  | 473.412  | ug/l        | 92       |
| 17) Carbon Disulfide         | 4.521  | 76    | 1378752  | 114.710  | ug/l        | 98       |
| 18) Methyl Acetate           | 4.856  | 43    | 592870   | 93.079   | ug/l        | 92       |
| 19) Methyl tert-butyl Ether  | 5.621  | 73    | 1822856  | 103.480  | ug/l        | 100      |
| 20) Methylene Chloride       | 5.092  | 84    | 566345   | 93.138   | ug/l        | 90       |
| 21) trans-1,2-Dichloroethene | 5.591  | 96    | 552984   | 109.034  | ug/l        | 89       |
| 22) Diisopropyl ether        | 6.498  | 45    | 1913295  | 108.380  | ug/l        | 96       |
| 23) Vinyl Acetate            | 6.436  | 43    | 8290575  | 549.928  | ug/l        | # 95     |
| 24) 1,1-Dichloroethane       | 6.385  | 63    | 1006109  | 101.410  | ug/l        | 99       |
| 25) 2-Butanone               | 7.340  | 43    | 1892936  | 504.456  | ug/l        | 93       |
| 26) 2,2-Dichloropropane      | 7.327  | 77    | 906453   | 104.576  | ug/l        | 93       |
| 27) cis-1,2-Dichloroethene   | 7.327  | 96    | 665353   | 105.696  | ug/l        | 84       |
| 28) Bromochloromethane       | 7.659  | 49    | 496828   | 102.477  | ug/l        | # 76     |
| 29) Tetrahydrofuran          | 7.686  | 42    | 1288533  | 523.294  | ug/l        | 92       |
| 30) Chloroform               | 7.817  | 83    | 1122091  | 101.202  | ug/l        | 100      |
| 31) Cyclohexane              | 8.094  | 56    | 955689   | 94.367   | ug/l        | 93       |
| 32) 1,1,1-Trichloroethane    | 8.013  | 97    | 1018053  | 105.911  | ug/l        | 97       |
| 36) 1,1-Dichloropropene      | 8.222  | 75    | 835853   | 108.000  | ug/l        | 95       |
| 37) Ethyl Acetate            | 7.418  | 43    | 812257   | 108.532  | ug/l        | 98       |
| 38) Carbon Tetrachloride     | 8.206  | 117   | 883252   | 115.747  | ug/l        | 98       |
| 39) Methylcyclohexane        | 9.461  | 83    | 963138   | 113.483  | ug/l        | 90       |
| 40) Benzene                  | 8.461  | 78    | 2533897  | 109.554  | ug/l        | 99       |

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 Sample : VSTDIC100  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDIC100

Manual Integrations  
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Quant Time: Jul 29 14:37:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 29 14:33:20 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.640  | 41   | 397235   | 104.805  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 877290   | 102.352  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.566  | 43   | 1401621  | 107.320  | ug/l   | 96       |
| 44) Trichloroethene           | 9.217  | 130  | 641121   | 109.069  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 621431   | 106.449  | ug/l   | 97       |
| 46) Dibromomethane            | 9.579  | 93   | 461628   | 111.347  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.764  | 83   | 913260   | 112.507  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.563  | 41   | 625008   | 108.062  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.571  | 88   | 222147   | 2244.543 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.336 | 43   | 4587305  | 572.190  | ug/l   | 94       |
| 52) Toluene                   | 10.507 | 92   | 1787092  | 118.429  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 1040462  | 125.622  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 1067683  | 118.689  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 661716   | 115.000  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 1086681  | 123.026  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 11.046 | 76   | 1090802  | 110.409  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.043 | 63   | 1087476  | 609.962  | ug/l   | 93       |
| 59) 2-Hexanone                | 11.087 | 43   | 3279227  | 587.613  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.239 | 129  | 758810   | 130.600  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.349 | 107  | 704240   | 119.663  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.979 | 164  | 627709   | 103.521  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.773 | 112  | 1937193  | 111.424  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.846 | 131  | 716377   | 117.198  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.848 | 91   | 3561342  | 112.268  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.956 | 106  | 2773677  | 231.499  | ug/l   | 85       |
| 69) o-Xylene                  | 12.283 | 106  | 1362720  | 115.752  | ug/l   | 87       |
| 70) Styrene                   | 12.296 | 104  | 2327838  | 123.831  | ug/l   | 92       |
| 71) Bromoform                 | 12.460 | 173  | 585164   | 144.162  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.580 | 105  | 3541735  | 105.492  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.390 | 43   | 1260902  | 103.638  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 985643   | 101.168  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 791647m  | 93.151   | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 839219   | 114.093  | ug/l   | 72       |
| 78) n-propylbenzene           | 12.924 | 91   | 4002882  | 105.279  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 2387773  | 104.028  | ug/l   | 88       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 2892925  | 105.936  | ug/l   | 92       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 316971   | 119.901  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 2396203  | 105.320  | ug/l   | 90       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 2493081  | 107.782  | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 2912111  | 108.980  | ug/l   | 92       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 3427955  | 106.586  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.618 | 119  | 2912573  | 112.367  | ug/l   | 92       |
| 87) 1,3-Dichlorobenzene       | 13.618 | 146  | 1528367  | 111.399  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 1475655  | 105.406  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.946 | 91   | 2343385  | 105.621  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.214 | 117  | 510406   | 118.684  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 1404263  | 106.649  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.605 | 75   | 169905   | 101.706  | ug/l   | 67       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 633124   | 114.237  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.372 | 225  | 268460   | 98.894   | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 1835689  | 117.982  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 599363   | 112.281  | ug/l   | 98       |

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Sample : VSTDICC100  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

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

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

