

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081721\  
 Data File : VN068137.D  
 Acq On : 17 Aug 2021 11:57  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/19/2021 5:54:12 PM

Quant Time: Aug 17 12:45:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 12:36:25 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 654101     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 958107     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 948285     | 50.000   | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 514478     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 306777     | 35.521   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 71.040%  |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 285788     | 51.156   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 102.320% |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 1121417    | 50.076   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 100.160% |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 386839     | 50.262   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 100.520% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.070          | 85   | 238652     | 37.598   | ug/l   | 99       |
| 3) Chloromethane             | 2.301          | 50   | 256256     | 32.890   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.443          | 62   | 405418     | 33.456   | ug/l   | 96       |
| 5) Bromomethane              | 2.837          | 94   | 346674     | 31.847   | ug/l   | 96       |
| 6) Chloroethane              | 3.006          | 64   | 300625     | 31.984   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.368          | 101  | 788771     | 35.404   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.813          | 74   | 205750     | 47.186   | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 4.200          | 101  | 245524     | 37.897   | ug/l # | 85       |
| 10) Methyl Iodide            | 4.414          | 142  | 385197     | 50.646   | ug/l # | 87       |
| 11) Tert butyl alcohol       | 5.390          | 59   | 197771     | 173.370  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.170          | 96   | 233542     | 39.485   | ug/l # | 78       |
| 13) Acrolein                 | 4.039          | 56   | 130945     | 172.621  | ug/l   | 100      |
| 14) Allyl chloride           | 4.832          | 41   | 306948     | 31.468   | ug/l # | 91       |
| 15) Acrylonitrile            | 5.557          | 53   | 578281     | 178.112  | ug/l   | 99       |
| 16) Acetone                  | 4.288          | 43   | 438749     | 138.618  | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.521          | 76   | 628582     | 36.841   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.854          | 43   | 258473     | 31.452   | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.621          | 73   | 820237     | 37.533   | ug/l   | 96       |
| 20) Methylene Chloride       | 5.093          | 84   | 278167     | 33.602   | ug/l # | 81       |
| 21) trans-1,2-Dichloroethene | 5.594          | 96   | 273101     | 39.693   | ug/l # | 77       |
| 22) Diisopropyl ether        | 6.498          | 45   | 723752     | 33.521   | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.436          | 43   | 2843711    | 159.826  | ug/l # | 88       |
| 24) 1,1-Dichloroethane       | 6.383          | 63   | 453481     | 35.726   | ug/l   | 97       |
| 25) 2-Butanone               | 7.340          | 43   | 741174     | 163.206  | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 7.324          | 77   | 397047     | 35.820   | ug/l   | 90       |
| 27) cis-1,2-Dichloroethene   | 7.324          | 96   | 328176     | 40.206   | ug/l   | 75       |
| 28) Bromochloromethane       | 7.659          | 49   | 200644     | 33.325   | ug/l # | 42       |
| 29) Tetrahydrofuran          | 7.689          | 42   | 494895     | 170.867  | ug/l # | 79       |
| 30) Chloroform               | 7.818          | 83   | 542684     | 38.255   | ug/l   | 100      |
| 31) Cyclohexane              | 8.094          | 56   | 407691     | 32.172   | ug/l # | 82       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 500419     | 40.761   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.223          | 75   | 392337     | 45.635   | ug/l   | 92       |
| 37) Ethyl Acetate            | 7.415          | 43   | 318017     | 40.191   | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 459082     | 53.251   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.462          | 83   | 455514     | 48.802   | ug/l # | 83       |
| 40) Benzene                  | 8.461          | 78   | 1206934    | 47.213   | ug/l   | 99       |

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 8/19/2021 5:54:12 PM

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 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 12:36:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 150592   | 40.021   | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 400953   | 42.912   | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.566  | 43   | 545162   | 41.344   | ug/l # | 90       |
| 44) Trichloroethene           | 9.218  | 130  | 362560   | 54.438   | ug/l   | 76       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 282243   | 44.736   | ug/l   | 98       |
| 46) Dibromomethane            | 9.580  | 93   | 227502   | 49.031   | ug/l # | 77       |
| 47) Bromodichloromethane      | 9.765  | 83   | 433341   | 49.407   | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.561  | 41   | 235158   | 41.411   | ug/l # | 79       |
| 49) 1,4-Dioxane               | 9.572  | 88   | 109785   | 1007.652 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 1710085  | 210.512  | ug/l   | 89       |
| 52) Toluene                   | 10.508 | 92   | 844815   | 50.615   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 454224   | 50.123   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 474579   | 48.960   | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 327383   | 50.252   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 452924   | 49.307   | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 502757   | 47.978   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 387033   | 257.869  | ug/l # | 83       |
| 59) 2-Hexanone                | 11.087 | 43   | 1224488  | 209.549  | ug/l   | 86       |
| 60) Dibromochloromethane      | 11.240 | 129  | 396016   | 59.728   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 356165   | 53.007   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 370755   | 54.204   | ug/l   | 87       |
| 65) Chlorobenzene             | 11.773 | 112  | 965456   | 50.424   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 380774   | 56.661   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.846 | 91   | 1656862  | 49.361   | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.956 | 106  | 1355654  | 106.836  | ug/l   | 78       |
| 69) o-Xylene                  | 12.283 | 106  | 658258   | 52.860   | ug/l   | 79       |
| 70) Styrene                   | 12.296 | 104  | 1090843  | 54.439   | ug/l # | 90       |
| 71) Bromoform                 | 12.460 | 173  | 334637   | 71.786   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 1679040  | 41.113   | ug/l   | 94       |
| 74) N-amyl acetate            | 12.390 | 43   | 451485   | 33.003   | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.827 | 83   | 470896   | 38.307   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 375789m  | 37.502   | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 478372   | 49.384   | ug/l   | 53       |
| 78) n-propylbenzene           | 12.924 | 91   | 1832615  | 40.072   | ug/l   | 90       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 1099022  | 39.399   | ug/l   | 81       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 1398150  | 42.455   | ug/l   | 90       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 132353   | 42.601   | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 1087874  | 38.953   | ug/l   | 83       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 1232906  | 44.604   | ug/l   | 81       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 1381987  | 43.352   | ug/l   | 90       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 1637857  | 42.655   | ug/l   | 91       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 1417782  | 46.237   | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 841978   | 47.946   | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 831900   | 47.794   | ug/l   | 91       |
| 89) n-Butylbenzene            | 13.946 | 91   | 1029450  | 39.691   | ug/l   | 95       |
| 90) Hexachloroethane          | 14.211 | 117  | 252315   | 47.773   | ug/l   | 64       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 802791   | 48.423   | ug/l   | 91       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 77246    | 39.594   | ug/l # | 30       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 388881   | 53.055   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 214752   | 58.909   | ug/l   | 97       |
| 95) Naphthalene               | 15.507 | 128  | 918544   | 45.205   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.703 | 180  | 371439   | 51.842   | 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

