

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061421\  
 Data File : VN067332.D  
 Acq On : 14 Jun 2021 20:02  
 Operator : JC/MD  
 Sample : M2262-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2021

Manual Integrations  
 APPROVED

MMDadoda  
 6/15/2021 5:16:19 PM

Quant Time: Jun 15 04:43:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 15 04:39:21 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 337002              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.971          | 114  | 661283              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.749         | 117  | 606856              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.680         | 152  | 236250              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 343431              | 51.658 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 103.320% |        |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 218362              | 49.650 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 99.300%  |        |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 838778              | 49.758 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 99.520%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.733         | 95   | 336046              | 48.306 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 96.620%  |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.070          | 85   | 22774               | 4.604  | ug/l   | 95       |
| 3) Chloromethane             | 2.298          | 50   | 26399               | 5.160  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.440          | 62   | 25220               | 5.028  | ug/l   | 97       |
| 5) Bromomethane              | 2.832          | 94   | 14265               | 6.704  | ug/l   | 86       |
| 6) Chloroethane              | 3.003          | 64   | 15771               | 5.118  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.363          | 101  | 35743               | 5.134  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.813          | 74   | 14443               | 5.100  | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 4.197          | 101  | 20628               | 4.926  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.406          | 142  | 14978               | 4.071  | ug/l # | 93       |
| 11) Tert butyl alcohol       | 5.396          | 59   | 32020               | 29.258 | ug/l # | 77       |
| 12) 1,1-Dichloroethene       | 4.173          | 96   | 20624               | 5.103  | ug/l   | 97       |
| 13) Acrolein                 | 4.039          | 56   | 18352               | 26.864 | ug/l   | 95       |
| 14) Allyl chloride           | 4.830          | 41   | 42634               | 4.754  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.557          | 53   | 60413               | 25.150 | ug/l # | 64       |
| 16) Acetone                  | 4.293          | 43   | 63721               | 24.977 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.519          | 76   | 61846               | 4.738  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.862          | 43   | 34829               | 5.630  | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.624          | 73   | 80512               | 4.963  | ug/l   | 95       |
| 20) Methylene Chloride       | 5.082          | 84   | 28289m              | 5.329  | ug/l   |          |
| 21) trans-1,2-Dichloroethene | 5.599          | 96   | 22504               | 5.024  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.498          | 45   | 81518               | 4.924  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.434          | 43   | 351231              | 23.156 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 48392               | 5.211  | ug/l   | 97       |
| 25) 2-Butanone               | 7.345          | 43   | 97863               | 26.845 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.324          | 77   | 45796               | 4.866  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.327          | 96   | 29195               | 5.539  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.657          | 49   | 23843               | 5.517  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.694          | 42   | 55219               | 24.025 | ug/l   | 97       |
| 30) Chloroform               | 7.820          | 83   | 51435               | 5.276  | ug/l   | 95       |
| 31) Cyclohexane              | 8.091          | 56   | 48424               | 5.358  | ug/l # | 84       |
| 32) 1,1,1-Trichloroethane    | 8.013          | 97   | 46223               | 5.162  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.225          | 75   | 35891               | 4.841  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.420          | 43   | 39819               | 5.070  | ug/l # | 80       |
| 38) Carbon Tetrachloride     | 8.201          | 117  | 38409               | 4.820  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.459          | 83   | 35478               | 4.522  | ug/l   | 99       |
| 40) Benzene                  | 8.461          | 78   | 105737              | 5.110  | ug/l   | 98       |

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 Operator : JC/MD  
 Sample : M2262-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2021

Manual Integrations  
 APPROVED

MMDadoda  
 6/15/2021 5:16:19 PM

Quant Time: Jun 15 04:43:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 15 04:39:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.643  | 41   | 22611    | 5.538   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.534  | 62   | 46376    | 5.304   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.566  | 43   | 73924    | 5.244   | ug/l   | 99       |
| 44) Trichloroethene           | 9.215  | 130  | 24787    | 5.123   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.494  | 63   | 28304    | 5.129   | ug/l   | 95       |
| 46) Dibromomethane            | 9.579  | 93   | 20029    | 5.334   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.765  | 83   | 41668    | 4.947   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.563  | 41   | 33339    | 5.186   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.579  | 88   | 8861     | 100.718 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 214341   | 26.408  | ug/l   | 100      |
| 52) Toluene                   | 10.507 | 92   | 66326    | 5.097   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 44839    | 4.808   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 46106    | 4.891   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 26735    | 5.314   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 46118    | 5.099   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.049 | 76   | 46772    | 5.090   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.046 | 63   | 55523    | 21.095  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.089 | 43   | 155616   | 26.170  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.242 | 129  | 27792    | 5.053   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.350 | 107  | 26601    | 5.051   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.977 | 164  | 22814    | 5.295   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.773 | 112  | 67972    | 5.147   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.846 | 131  | 25690    | 5.224   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.848 | 91   | 134680   | 5.157   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.958 | 106  | 93718    | 10.096  | ug/l   | 97       |
| 69) o-Xylene                  | 12.286 | 106  | 45973    | 5.063   | ug/l   | 95       |
| 70) Styrene                   | 12.299 | 104  | 74891    | 4.962   | ug/l   | 99       |
| 71) Bromoform                 | 12.463 | 173  | 17576    | 4.678   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.583 | 105  | 122677   | 5.412   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.393 | 43   | 57788    | 5.221   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.833 | 83   | 37314    | 5.521   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.886 | 75   | 34734m   | 5.662   | ug/l   |          |
| 77) Bromobenzene              | 12.865 | 156  | 25305    | 5.481   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.924 | 91   | 143718   | 5.330   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.012 | 91   | 89839    | 5.351   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.063 | 105  | 103406   | 5.415   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 11541    | 4.662   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 89969    | 5.382   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 83490    | 5.491   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 101982   | 5.405   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.506 | 105  | 112038   | 5.204   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.621 | 119  | 91695    | 5.277   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 44547    | 5.349   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.699 | 146  | 43726    | 5.220   | ug/l   | 91       |
| 89) n-Butylbenzene            | 13.946 | 91   | 84970    | 5.205   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.214 | 117  | 16108    | 4.741   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.994 | 146  | 41795    | 5.290   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.605 | 75   | 9116     | 5.396   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180  | 19861    | 4.814   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.378 | 225  | 11655    | 4.920   | ug/l   | 97       |
| 95) Naphthalene               | 15.509 | 128  | 57423    | 4.568   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.710 | 180  | 18896    | 4.771   | ug/l   | 98       |

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 Sample : M2262-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 LOQ-WATER-02-QT2-2021

**Manual Integrations**  
**APPROVED**

MMDadoda  
 6/15/2021 5:16:19 PM

Quant Time: Jun 15 04:43:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 15 04:39:21 2021  
 Response via : Initial Calibration

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

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

