

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN060421\  
 Data File : VN067209.D  
 Acq On : 4 Jun 2021 20:50  
 Operator : JC/MD  
 Sample : VN0604WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0604WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 6/7/2021 7:21:07 PM

Quant Time: Jun 05 05:31:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060421W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 04 19:00:20 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.094  | 168   | 155626   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.971  | 114   | 278086   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.752 | 117   | 279426   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.680 | 152   | 146682   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.445  | 65    | 109006   | 51.385   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 102.760% |
| 35) Dibromofluoromethane     | 8.027  | 113   | 83440    | 48.400   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 96.800%  |
| 50) Toluene-d8               | 10.446 | 98    | 368351   | 52.463   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 104.920% |
| 62) 4-Bromofluorobenzene     | 12.736 | 95    | 129065   | 47.729   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 95.460%  |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073  | 85    | 29705    | 16.952   | ug/l   | 98       |
| 3) Chloromethane             | 2.303  | 50    | 47328    | 21.454   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.448  | 62    | 64999    | 23.245   | ug/l   | 99       |
| 5) Bromomethane              | 2.874  | 94    | 52825    | 24.911   | ug/l   | 99       |
| 6) Chloroethane              | 3.027  | 64    | 46293    | 23.875   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.384  | 101   | 47251    | 18.282   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.835  | 74    | 18292    | 18.316   | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.229  | 101   | 25941m   | 17.482   | ug/l   |          |
| 10) Methyl Iodide            | 4.433  | 142   | 31748    | 16.705   | ug/l # | 88       |
| 11) Tert butyl alcohol       | 5.366  | 59    | 32609    | 93.722   | ug/l # | 72       |
| 12) 1,1-Dichloroethene       | 4.191  | 96    | 26552    | 17.890   | ug/l   | 90       |
| 13) Acrolein                 | 4.049  | 56    | 11767    | 112.974  | ug/l # | 55       |
| 14) Allyl chloride           | 4.851  | 41    | 49262    | 18.153   | ug/l # | 84       |
| 15) Acrylonitrile            | 5.562  | 53    | 70331    | 92.159   | ug/l   | 99       |
| 16) Acetone                  | 4.293  | 43    | 61174    | 83.572   | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.543  | 76    | 79339    | 18.302   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.867  | 43    | 39821    | 19.191   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.624  | 73    | 95110    | 18.048   | ug/l   | 97       |
| 20) Methylene Chloride       | 5.109  | 84    | 33363    | 18.100   | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.607  | 96    | 30735    | 17.817   | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.501  | 45    | 99511    | 19.125   | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.439  | 43    | 474984   | 93.885   | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.393  | 63    | 58662    | 18.673   | ug/l   | 99       |
| 25) 2-Butanone               | 7.340  | 43    | 112237   | 95.755   | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.335  | 77    | 52654    | 17.352   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.332  | 96    | 37355    | 18.694   | ug/l   | 95       |
| 28) Bromochloromethane       | 7.662  | 49    | 27183    | 17.522   | ug/l # | 77       |
| 29) Tetrahydrofuran          | 7.694  | 42    | 68096    | 97.695   | ug/l   | 93       |
| 30) Chloroform               | 7.823  | 83    | 63708    | 18.747   | ug/l   | 98       |
| 31) Cyclohexane              | 8.102  | 56    | 54700    | 19.205   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.021  | 97    | 59452    | 18.732   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.228  | 75    | 47010    | 18.304   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.418  | 43    | 47795    | 19.305   | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 8.212  | 117   | 49946    | 17.807   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.467  | 83    | 54611    | 18.770   | ug/l   | 97       |
| 40) Benzene                  | 8.466  | 78    | 150555   | 18.892   | ug/l   | 97       |

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 Sample : VN0604WBSD01  
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0604WBSD01

Manual Integrations  
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MMDadoda  
 6/7/2021 7:21:07 PM

Quant Time: Jun 05 05:31:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060421W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 04 19:00:20 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.643  | 41   | 26668    | 20.807  | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.533  | 62   | 50661    | 18.513  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.566  | 43   | 90642    | 19.254  | ug/l   | 93       |
| 44) Trichloroethene           | 9.223  | 130  | 37056    | 18.479  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.496  | 63   | 37799    | 19.051  | ug/l   | 94       |
| 46) Dibromomethane            | 9.582  | 93   | 26346    | 18.828  | ug/l # | 83       |
| 47) Bromodichloromethane      | 9.767  | 83   | 54588    | 19.146  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.566  | 41   | 38398    | 18.823  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.574  | 88   | 11717    | 363.500 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.336 | 43   | 271278   | 98.328  | ug/l   | 91       |
| 52) Toluene                   | 10.510 | 92   | 100876   | 19.191  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 63427    | 18.865  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.194 | 75   | 62694    | 18.433  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 38109    | 19.099  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.768 | 69   | 62133    | 19.081  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 11.046 | 76   | 64183    | 19.518  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.046 | 63   | 61590    | 89.021  | ug/l   | 95       |
| 59) 2-Hexanone                | 11.089 | 43   | 197866   | 98.683  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.242 | 129  | 44630    | 18.930  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.352 | 107  | 38080    | 18.141  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.982 | 164  | 35164    | 18.500  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.773 | 112  | 108210   | 18.167  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.846 | 131  | 41087    | 18.141  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.848 | 91   | 200595   | 18.305  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.958 | 106  | 158539   | 36.860  | ug/l   | 93       |
| 69) o-Xylene                  | 12.286 | 106  | 78510    | 18.677  | ug/l   | 92       |
| 70) Styrene                   | 12.299 | 104  | 127874   | 17.814  | ug/l   | 96       |
| 71) Bromoform                 | 12.463 | 173  | 32897    | 17.628  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.583 | 105  | 202881   | 18.178  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.393 | 43   | 81429    | 18.104  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 57683    | 18.141  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.886 | 75   | 52928m   | 18.764  | ug/l   |          |
| 77) Bromobenzene              | 12.868 | 156  | 45295    | 17.824  | ug/l   | 83       |
| 78) n-propylbenzene           | 12.927 | 91   | 236197   | 18.162  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 13.109 | 91   | 143112   | 18.124  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.066 | 105  | 174001   | 18.005  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 19368    | 16.800  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.012 | 91   | 136967   | 18.067  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.329 | 119  | 150447   | 18.189  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 182554   | 18.993  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.506 | 105  | 211139   | 18.389  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.621 | 119  | 181246   | 17.834  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.618 | 146  | 92686    | 19.129  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.699 | 146  | 92983    | 18.985  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.948 | 91   | 163817   | 17.910  | ug/l   | 95       |
| 90) Hexachloroethane          | 14.214 | 117  | 31292    | 17.900  | ug/l   | 80       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 87702    | 18.372  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.608 | 75   | 11845    | 18.012  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.271 | 180  | 38679    | 17.630  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.378 | 225  | 20914    | 16.815  | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 99040    | 18.268  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.705 | 180  | 33442    | 17.172  | ug/l   | 98       |

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ALS Vial : 13 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
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Quant Time: Jun 05 05:31:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060421W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 04 19:00:20 2021  
Response via : Initial Calibration

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

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

