

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081222\  
 Data File : VN073844.D  
 Acq On : 12 Aug 2022 12:07  
 Operator : JC\MD  
 Sample : VN0812WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0812WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/13/2022  
 Supervised By : Mahesh Dadoda 08/14/2022

Quant Time: Aug 13 05:01:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 05:09:32 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.016          | 168  | 360520     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904          | 114  | 555012     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686         | 117  | 504868     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.615         | 152  | 244713     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369          | 65   | 212960     | 48.471   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 96.940%  |        |          |
| 35) Dibromofluoromethane     | 7.951          | 113  | 182159     | 52.268   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 104.540% |        |          |
| 50) Toluene-d8               | 10.380         | 98   | 661651     | 48.245   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 96.500%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.668         | 95   | 213183     | 44.595   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 89.180%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 59614      | 17.048   | ug/l   | 100      |
| 3) Chloromethane             | 2.269          | 50   | 76106      | 16.426   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.404          | 62   | 91000      | 14.880   | ug/l   | 99       |
| 5) Bromomethane              | 2.804          | 94   | 78190      | 22.045   | ug/l   | 99       |
| 6) Chloroethane              | 2.963          | 64   | 64967      | 16.801   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.316          | 101  | 112269     | 17.812   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.763          | 74   | 44551      | 18.825   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.140          | 101  | 68681      | 19.696   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.351          | 142  | 63038      | 17.782   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.287          | 59   | 97102      | 102.480  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.116          | 96   | 59293      | 17.335   | ug/l   | 91       |
| 13) Acrolein                 | 3.981          | 56   | 54889      | 58.432   | ug/l   | 98       |
| 14) Allyl chloride           | 4.757          | 41   | 98115      | 17.941   | ug/l   | 98       |
| 15) Acrylonitrile            | 5.469          | 53   | 260924     | 99.550   | ug/l   | 99       |
| 16) Acetone                  | 4.222          | 43   | 222848     | 94.435   | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.457          | 76   | 135070     | 14.893   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.769          | 43   | 137322     | 23.390   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.534          | 73   | 237632     | 20.336   | ug/l   | 95       |
| 20) Methylene Chloride       | 5.010          | 84   | 81004      | 19.892   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.510          | 96   | 66263      | 17.896   | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.404          | 45   | 232648     | 19.719   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.351          | 43   | 966214     | 97.678   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.310          | 63   | 132168     | 18.209   | ug/l   | 98       |
| 25) 2-Butanone               | 7.257          | 43   | 358698     | 97.879   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.245          | 77   | 106822     | 19.129   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.245          | 96   | 86423      | 18.944   | ug/l   | 95       |
| 28) Bromochloromethane       | 7.581          | 49   | 58297      | 19.129   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.610          | 42   | 232196     | 100.214  | ug/l   | 98       |
| 30) Chloroform               | 7.745          | 83   | 145566     | 19.249   | ug/l   | 100      |
| 31) Cyclohexane              | 8.022          | 56   | 108775     | 16.630   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.939          | 97   | 117693     | 18.743   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.151          | 75   | 95189      | 19.164   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.334          | 43   | 136871     | 20.923   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.133          | 117  | 102730     | 20.363   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.392          | 83   | 112136     | 18.892   | ug/l   | 96       |
| 40) Benzene                  | 8.386          | 78   | 312183     | 19.355   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081222\  
 Data File : VN073844.D  
 Acq On : 12 Aug 2022 12:07  
 Operator : JC\MD  
 Sample : VN0812WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0812WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/13/2022  
 Supervised By : Mahesh Dadoda 08/14/2022

Quant Time: Aug 13 05:01:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 05:09:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.563  | 41   | 57784    | 19.521  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.463  | 62   | 113741   | 20.923  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.492  | 43   | 186372   | 21.093  | ug/l   | 100      |
| 44) Trichloroethene           | 9.151  | 130  | 78779    | 19.260  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.428  | 63   | 81965    | 20.330  | ug/l   | 97       |
| 46) Dibromomethane            | 9.510  | 93   | 59359    | 21.213  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.698  | 83   | 113618   | 21.156  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.498  | 41   | 88355    | 22.845  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.504  | 88   | 49342    | 452.587 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43   | 684666   | 108.039 | ug/l   | 99       |
| 52) Toluene                   | 10.445 | 92   | 195684   | 19.862  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.657 | 75   | 110995   | 20.921  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.127 | 75   | 122487   | 20.487  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.839 | 97   | 88192    | 21.466  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.704 | 69   | 124457   | 21.979  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.986 | 76   | 144864   | 20.782  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.980  | 63   | 279027   | 99.357  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.027 | 43   | 526113   | 109.576 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.174 | 129  | 90924    | 22.246  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.286 | 107  | 88477    | 20.910  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.916 | 164  | 79852    | 19.902  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.710 | 112  | 214542   | 20.006  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 82982    | 21.574  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.786 | 91   | 364016   | 20.121  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.892 | 106  | 278851   | 40.412  | ug/l   | 99       |
| 69) o-Xylene                  | 12.221 | 106  | 135845   | 20.194  | ug/l   | 98       |
| 70) Styrene                   | 12.233 | 104  | 226816   | 21.063  | ug/l   | 97       |
| 71) Bromoform                 | 12.398 | 173  | 72367    | 22.794  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.521 | 105  | 361117   | 20.159  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.327 | 43   | 141276   | 20.873  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.768 | 83   | 138388   | 20.020  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.821 | 75   | 99781m   | 20.346  | ug/l   |          |
| 77) Bromobenzene              | 12.798 | 156  | 94939    | 20.351  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.863 | 91   | 408286   | 20.256  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.945 | 91   | 247353   | 19.662  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.998 | 105  | 304548   | 20.659  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.568 | 75   | 38822    | 20.559  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.045 | 91   | 238477   | 20.001  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.263 | 119  | 262307   | 20.088  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.310 | 105  | 301813   | 20.821  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.439 | 105  | 364064   | 20.173  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.557 | 119  | 301079   | 21.163  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.551 | 146  | 165858   | 19.478  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.633 | 146  | 161106   | 18.910  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.880 | 91   | 226993   | 19.609  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.151 | 117  | 56453    | 20.000  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.927 | 146  | 174210   | 20.190  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.539 | 75   | 28446    | 20.481  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.198 | 180  | 93657    | 21.857  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.304 | 225  | 50485    | 21.672  | ug/l   | 98       |
| 95) Naphthalene               | 15.439 | 128  | 297495   | 21.395  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 99882    | 22.148  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081222\  
Data File : VN073844.D  
Acq On : 12 Aug 2022 12:07  
Operator : JC\MD  
Sample : VN0812WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0812WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/13/2022  
Supervised By :Mahesh Dadoda 08/14/2022

Quant Time: Aug 13 05:01:34 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 10 05:09:32 2022  
Response via : Initial Calibration

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

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

