

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052323\  
 Data File : VN077845.D  
 Acq On : 24 May 2023 07:01  
 Operator : JC\MD  
 Sample : 02884-03 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 2002

Quant Time: May 24 08:19:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 8.235  | 168   | 7113     | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 9.112  | 114   | 11101    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.876 | 117   | 8648     | 50.000   | ug/l  | # 0.00    |
| 72) 1,4-Dichlorobenzene-d4  | 13.800 | 152   | 4107     | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 2837     | 26.656   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 53.320%#  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 4717     | 65.162   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 130.320%# |
| 50) Toluene-d8              | 10.576 | 98    | 9365     | 33.611   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 67.220%#  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 17110    | 173.872  | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 347.740%# |
| Target Compounds            |        |       |          |          |       |           |
|                             |        |       |          |          |       | Qvalue    |
| 3) Chloromethane            | 2.371  | 50    | 1011     | 10.359   | ug/l  | # 83      |
| 4) Vinyl Chloride           | 2.518  | 62    | 58       | 0.568    | ug/l  | # 42      |
| 5) Bromomethane             | 2.942  | 94    | 58       | 0.768    | ug/l  | # 4       |
| 6) Chloroethane             | 3.130  | 64    | 146      | 1.985    | ug/l  | # 43      |
| 7) Trichlorofluoromethane   | 3.236  | 101   | 54       | 0.380    | ug/l  | # 19      |
| 11) Tert butyl alcohol      | 5.541  | 59    | 481      | 32.747   | ug/l  | # 72      |
| 12) 1,1-Dichloroethene      | 4.124  | 96    | 68       | 0.909    | ug/l  | # 1       |
| 13) Acrolein                | 4.194  | 56    | 3885     | 447.904  | ug/l  | # 75      |
| 14) Allyl chloride          | 5.030  | 41    | 77       | 0.701    | ug/l  | # 70      |
| 16) Acetone                 | 4.447  | 43    | 17471    | 521.774  | ug/l  | # 50      |
| 17) Carbon Disulfide        | 4.724  | 76    | 547      | 2.714    | ug/l  | # 75      |
| 18) Methyl Acetate          | 5.047  | 43    | 3494     | 24.874   | ug/l  | # 71      |
| 20) Methylene Chloride      | 5.277  | 84    | 718      | 6.520    | ug/l  | # 76      |
| 22) Diisopropyl ether       | 6.730  | 45    | 27285    | 105.917  | ug/l  | # 1       |
| 23) Vinyl Acetate           | 6.735  | 43    | 69197    | 433.544  | ug/l  | # 62      |
| 25) 2-Butanone              | 7.494  | 43    | 9815     | 187.385  | ug/l  | # 68      |
| 26) 2,2-Dichloropropane     | 7.447  | 77    | 184      | 1.372    | ug/l  | # 53      |
| 27) cis-1,2-Dichloroethene  | 7.688  | 96    | 67       | 0.665    | ug/l  | # 1       |
| 29) Tetrahydrofuran         | 7.841  | 42    | 74       | 2.158    | ug/l  | # 20      |
| 30) Chloroform              | 7.988  | 83    | 53       | 0.305    | ug/l  | # 48      |
| 31) Cyclohexane             | 8.235  | 56    | 122      | 0.843    | ug/l  | # 9       |
| 36) 1,1-Dichloropropene     | 8.229  | 75    | 565      | 5.336    | ug/l  | # 40      |
| 37) Ethyl Acetate           | 7.565  | 43    | 985      | 10.438   | ug/l  | # 73      |
| 38) Carbon Tetrachloride    | 8.247  | 117   | 142      | 1.328    | ug/l  | # 12      |
| 39) Methylcyclohexane       | 9.729  | 83    | 56       | 0.432    | ug/l  | # 23      |
| 40) Benzene                 | 8.618  | 78    | 277      | 0.887    | ug/l  | # 52      |
| 41) Methacrylonitrile       | 7.812  | 41    | 140      | 2.786    | ug/l  | # 34      |
| 42) 1,2-Dichloroethane      | 8.788  | 62    | 65       | 0.573    | ug/l  | # 73      |
| 43) Isopropyl Acetate       | 8.706  | 43    | 22942    | 148.833  | ug/l  | # 50      |
| 45) 1,2-Dichloropropane     | 9.823  | 63    | 60       | 0.753    | ug/l  | # 45      |
| 47) Bromodichloromethane    | 9.935  | 83    | 57       | 0.522    | ug/l  | # 26      |
| 48) Methyl methacrylate     | 9.706  | 41    | 125      | 1.710    | ug/l  | # 31      |
| 51) 4-Methyl-2-Pentanone    | 10.429 | 43    | 9285     | 101.336  | ug/l  | # 34      |
| 53) t-1,3-Dichloropropene   | 10.823 | 75    | 543      | 4.696    | ug/l  | # 42      |
| 54) cis-1,3-Dichloropropene | 10.341 | 75    | 96       | 0.753    | ug/l  | # 39      |
| 55) 1,1,2-Trichloroethane   | 11.106 | 97    | 102      | 1.321    | ug/l  | # 16      |

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 Quant Title : SW846 8260  
 QLast Update : Tue May 16 04:07:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 56) Ethyl methacrylate        | 10.953 | 69   | 343      | 2.937   | ug/l # | 1        |
| 59) 2-Hexanone                | 10.947 | 43   | 11803    | 174.157 | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.323 | 129  | 54       | 0.677   | ug/l # | 11       |
| 67) Ethyl Benzene             | 11.964 | 91   | 118      | 0.351   | ug/l # | 43       |
| 71) Bromoform                 | 12.847 | 173  | 116      | 2.688   | ug/l # | 28       |
| 73) Isopropylbenzene          | 12.711 | 105  | 122      | 0.345   | ug/l # | 49       |
| 74) N-amyl acetate            | 12.512 | 43   | 184      | 1.406   | ug/l # | 47       |
| 75) 1,1,2,2-Tetrachloroethane | 12.800 | 83   | 14804    | 135.927 | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75   | 9114     | 88.611  | ug/l # | 1        |
| 78) n-propylbenzene           | 13.047 | 91   | 313      | 0.750   | ug/l # | 53       |
| 79) 2-Chlorotoluene           | 13.047 | 91   | 313      | 1.257   | ug/l # | 42       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 9114     | 283.247 | ug/l # | 15       |
| 82) 4-Chlorotoluene           | 13.047 | 91   | 313      | 1.263   | ug/l # | 41       |
| 84) 1,2,4-Trimethylbenzene    | 13.629 | 105  | 79       | 0.270   | ug/l # | 32       |
| 85) sec-Butylbenzene          | 13.629 | 105  | 79       | 0.214   | ug/l # | 57       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 77       | 0.515   | ug/l # | 24       |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146  | 77       | 0.519   | ug/l # | 25       |
| 89) n-Butylbenzene            | 14.070 | 91   | 62       | 0.229   | ug/l # | 33       |
| 91) 1,2-Dichlorobenzene       | 14.111 | 146  | 73       | 0.523   | ug/l # | 24       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.853 | 75   | 56       | 2.656   | ug/l # | 4        |
| 95) Naphthalene               | 15.635 | 128  | 656      | 2.337   | ug/l # | 70       |
| -----                         |        |      |          |         |        |          |

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

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