

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050821\  
 Data File : VN067060.D  
 Acq On : 7 May 2021 18:58  
 Operator : JC/MD  
 Sample : VN0508WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0508WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2021 2:24:18 PM

Quant Time: May 08 03:28:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 05 07:24:52 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.592  | 168   | 388136   | 50.00    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.517  | 114   | 658331   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.350 | 117   | 608164   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.289 | 152   | 271408   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 7.954  | 65    | 319839   | 52.35    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =     | 104.70%  |
| 35) Dibromofluoromethane     | 7.514  | 113   | 226834   | 50.74    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =     | 101.48%  |
| 50) Toluene-d8               | 10.030 | 98    | 851462   | 50.01    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =     | 100.02%  |
| 62) 4-Bromofluorobenzene     | 12.347 | 95    | 293727   | 50.95    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =     | 101.90%  |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.837  | 85    | 92872    | 17.72    | ug/l  | 97       |
| 3) Chloromethane             | 2.035  | 50    | 130553   | 17.36    | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.164  | 62    | 130478   | 18.07    | ug/l  | 98       |
| 5) Bromomethane              | 2.510  | 94    | 63160    | 16.44    | ug/l  | 99       |
| 6) Chloroethane              | 2.657  | 64    | 76605    | 17.99    | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 2.971  | 101   | 161912   | 18.89    | ug/l  | 98       |
| 8) Diethyl Ether             | 3.357  | 74    | 55280    | 17.95    | ug/l  | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 3.695  | 101   | 77369    | 17.75    | ug/l  | 93       |
| 10) Methyl Iodide            | 3.883  | 142   | 62084    | 10.80    | ug/l  | # 87     |
| 11) Tert butyl alcohol       | 4.714  | 59    | 83541    | 96.85    | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 3.674  | 96    | 73997    | 17.44    | ug/l  | 86       |
| 13) Acrolein                 | 3.548  | 56    | 70626    | 98.41    | ug/l  | 99       |
| 14) Allyl chloride           | 4.248  | 41    | 146604   | 17.23    | ug/l  | 96       |
| 15) Acrylonitrile            | 4.899  | 53    | 237358   | 92.72    | ug/l  | 99       |
| 16) Acetone                  | 3.754  | 43    | 191961   | 89.32    | ug/l  | 98       |
| 17) Carbon Disulfide         | 3.982  | 76    | 226941   | 17.26    | ug/l  | 98       |
| 18) Methyl Acetate           | 4.256  | 43    | 122722   | 19.96    | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 4.961  | 73    | 283095   | 18.61    | ug/l  | 98       |
| 20) Methylene Chloride       | 4.470  | 84    | 100623   | 18.46    | ug/l  | 90       |
| 21) trans-1,2-Dichloroethene | 4.953  | 96    | 82459    | 17.87    | ug/l  | # 83     |
| 22) Diisopropyl ether        | 5.865  | 45    | 311512   | 18.09    | ug/l  | 88       |
| 23) Vinyl Acetate            | 5.809  | 43    | 1232961  | 89.43    | ug/l  | 98       |
| 24) 1,1-Dichloroethane       | 5.758  | 63    | 183619   | 18.44    | ug/l  | 96       |
| 25) 2-Butanone               | 6.753  | 43    | 286443   | 90.39    | ug/l  | 94       |
| 26) 2,2-Dichloropropane      | 6.734  | 77    | 152235   | 18.21    | ug/l  | 94       |
| 27) cis-1,2-Dichloroethene   | 6.742  | 96    | 95844    | 18.12    | ug/l  | 86       |
| 28) Bromochloromethane       | 7.115  | 49    | 87204    | 18.94    | ug/l  | 82       |
| 29) Tetrahydrofuran          | 7.131  | 42    | 191795   | 91.22    | ug/l  | 96       |
| 30) Chloroform               | 7.294  | 83    | 179069   | 18.84    | ug/l  | 97       |
| 31) Cyclohexane              | 7.579  | 56    | 145514   | 16.93    | ug/l  | 91       |
| 32) 1,1,1-Trichloroethane    | 7.490  | 97    | 157131   | 19.17    | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 7.718  | 75    | 120080   | 17.51    | ug/l  | 95       |
| 37) Ethyl Acetate            | 6.844  | 43    | 125231   | 17.92    | ug/l  | 100      |
| 38) Carbon Tetrachloride     | 7.699  | 117   | 132287   | 18.50    | ug/l  | 99       |
| 39) Methylcyclohexane        | 9.016  | 83    | 129979   | 17.01    | ug/l  | 94       |
| 40) Benzene                  | 7.968  | 78    | 389676   | 18.10    | ug/l  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050821\  
 Data File : VN067060.D  
 Acq On : 7 May 2021 18:58  
 Operator : JC/MD  
 Sample : VN0508WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0508WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/10/2021 2:24:18 PM

Quant Time: May 08 03:28:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 05 07:24:52 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.093  | 41   | 52830m   | 17.59  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.053  | 62   | 146492   | 19.08  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.096  | 43   | 206442   | 18.20  | ug/l # | 90       |
| 44) Trichloroethene           | 8.772  | 130  | 85004    | 17.93  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.054  | 63   | 110226   | 18.33  | ug/l   | 98       |
| 46) Dibromomethane            | 9.145  | 93   | 65973    | 18.60  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.338  | 83   | 142160   | 18.54  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.140  | 41   | 92328    | 18.37  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.137  | 88   | 28488    | 357.50 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 9.923  | 43   | 607965   | 92.70  | ug/l   | 98       |
| 52) Toluene                   | 10.094 | 92   | 226247   | 17.88  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.325 | 75   | 146913   | 17.97  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 9.778  | 75   | 161512   | 17.89  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.502 | 97   | 93268    | 18.58  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.373 | 69   | 118148   | 18.59  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.647 | 76   | 161520   | 18.16  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.636  | 63   | 204143   | 169.84 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.695 | 43   | 356015   | 94.23  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.843 | 129  | 102252   | 18.19  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.947 | 107  | 88537    | 18.11  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.572 | 164  | 75303    | 18.12  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.376 | 112  | 237632   | 18.26  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.452 | 131  | 94797    | 18.78  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.457 | 91   | 403437   | 17.60  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.567 | 106  | 297399   | 34.86  | ug/l   | 92       |
| 69) o-Xylene                  | 11.894 | 106  | 147397   | 17.85  | ug/l   | 93       |
| 70) Styrene                   | 11.916 | 104  | 226036   | 18.61  | ug/l   | 95       |
| 71) Bromoform                 | 12.076 | 173  | 65475    | 17.95  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.194 | 105  | 385698   | 18.32  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.060 | 43   | 4645     | 1.22   | ug/l # | 76       |
| 75) 1,1,2,2-Tetrachloroethane | 12.449 | 83   | 143152   | 19.40  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.503 | 75   | 128162m  | 19.82  | ug/l   |          |
| 77) Bromobenzene              | 12.471 | 156  | 93160    | 18.76  | ug/l   | 83       |
| 78) n-propylbenzene           | 12.538 | 91   | 446591   | 18.69  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.621 | 91   | 289684   | 18.51  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.680 | 105  | 343069   | 18.68  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.251 | 75   | 21645    | 14.87  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.720 | 91   | 278193   | 18.46  | ug/l   | 92       |
| 83) tert-Butylbenzene         | 12.940 | 119  | 286560   | 18.59  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 12.986 | 105  | 319655   | 18.23  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.117 | 105  | 370845   | 18.53  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.238 | 119  | 311346   | 18.10  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.230 | 146  | 154808   | 17.97  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.310 | 146  | 160511   | 18.52  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.568 | 91   | 237910   | 19.05  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.817 | 117  | 64059    | 16.54  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.602 | 146  | 164591   | 19.10  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.230 | 75   | 22061    | 16.87  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 14.858 | 180  | 81463    | 17.87  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.951 | 225  | 54931    | 19.68  | ug/l   | 99       |
| 95) Naphthalene               | 15.078 | 128  | 222696   | 18.68  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.255 | 180  | 80608    | 18.24  | ug/l   | 96       |

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Sample : VN0508WBS01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0508WBS01

Manual Integrations  
APPROVED

MMDadoda  
5/10/2021 2:24:18 PM

Quant Time: May 08 03:28:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050421W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 05 07:24:52 2021  
Response via : Initial Calibration

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

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

