

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082021\  
 Data File : VN068239.D  
 Acq On : 20 Aug 2021 12:43  
 Operator : JC/MD  
 Sample : VN0820MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 20 15:16:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 8.086     | 168   | 516333   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968     | 114   | 782008   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.746    | 117   | 743845   | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.677    | 152   | 366786   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.437     | 65    | 293904   | 53.311   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 61 - 141 | Recovery | = 106.620% |          |
| 35) Dibromofluoromethane     | 8.024     | 113   | 260225   | 53.003   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 69 - 133 | Recovery | = 106.000% |          |
| 50) Toluene-d8               | 10.443    | 98    | 996027   | 53.242   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 65 - 126 | Recovery | = 106.480% |          |
| 62) 4-Bromofluorobenzene     | 12.733    | 95    | 332973   | 53.467   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 58 - 135 | Recovery | = 106.940% |          |
| Target Compounds             |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073     | 85    | 76672    | 18.740   | ug/l       | 98       |
| 3) Chloromethane             | 2.301     | 50    | 83036    | 17.964   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.443     | 62    | 129803   | 17.922   | ug/l       | 98       |
| 5) Bromomethane              | 2.850     | 94    | 126645   | 20.324   | ug/l       | 98       |
| 6) Chloroethane              | 3.017     | 64    | 97914    | 19.911   | ug/l       | 100      |
| 7) Trichlorofluoromethane    | 3.371     | 101   | 260504   | 18.296   | ug/l       | 100      |
| 8) Diethyl Ether             | 3.821     | 74    | 84376    | 25.547   | ug/l       | 79       |
| 9) 1,1,2-Trichlorotrifluo... | 4.202     | 101   | 84942    | 19.511   | ug/l #     | 84       |
| 10) Methyl Iodide            | 4.417     | 142   | 113078   | 18.267   | ug/l       | 88       |
| 11) Tert butyl alcohol       | 5.385     | 59    | 68299    | 99.342   | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 4.173     | 96    | 75395    | 18.012   | ug/l #     | 75       |
| 13) Acrolein                 | 4.038     | 56    | 61870    | 132.204  | ug/l       | 97       |
| 14) Allyl chloride           | 4.835     | 41    | 99585    | 18.612   | ug/l #     | 92       |
| 15) Acrylonitrile            | 5.556     | 53    | 192723   | 99.497   | ug/l       | 100      |
| 16) Acetone                  | 4.293     | 43    | 156670   | 97.333   | ug/l #     | 89       |
| 17) Carbon Disulfide         | 4.521     | 76    | 189282   | 17.492   | ug/l       | 97       |
| 18) Methyl Acetate           | 4.859     | 43    | 92819    | 20.701   | ug/l #     | 86       |
| 19) Methyl tert-butyl Ether  | 5.621     | 73    | 266134   | 19.721   | ug/l       | 97       |
| 20) Methylene Chloride       | 5.095     | 84    | 95013    | 20.063   | ug/l #     | 79       |
| 21) trans-1,2-Dichloroethene | 5.599     | 96    | 84652    | 18.064   | ug/l #     | 77       |
| 22) Diisopropyl ether        | 6.500     | 45    | 225871   | 19.325   | ug/l #     | 94       |
| 23) Vinyl Acetate            | 6.436     | 43    | 879826   | 96.704   | ug/l #     | 88       |
| 24) 1,1-Dichloroethane       | 6.385     | 63    | 143926   | 18.430   | ug/l       | 97       |
| 25) 2-Butanone               | 7.343     | 43    | 243032   | 96.883   | ug/l #     | 88       |
| 26) 2,2-Dichloropropane      | 7.327     | 77    | 129969   | 19.424   | ug/l       | 91       |
| 27) cis-1,2-Dichloroethene   | 7.324     | 96    | 102572   | 18.280   | ug/l       | 76       |
| 28) Bromochloromethane       | 7.659     | 49    | 70942    | 20.659   | ug/l #     | 47       |
| 29) Tetrahydrofuran          | 7.689     | 42    | 158488   | 98.791   | ug/l #     | 81       |
| 30) Chloroform               | 7.820     | 83    | 172100   | 18.500   | ug/l       | 97       |
| 31) Cyclohexane              | 8.094     | 56    | 129896   | 17.888   | ug/l #     | 79       |
| 32) 1,1,1-Trichloroethane    | 8.016     | 97    | 157002   | 18.924   | ug/l       | 93       |
| 36) 1,1-Dichloropropene      | 8.217     | 75    | 116709   | 18.257   | ug/l       | 89       |
| 37) Ethyl Acetate            | 7.418     | 43    | 103555   | 19.015   | ug/l #     | 94       |
| 38) Carbon Tetrachloride     | 8.206     | 117   | 138553   | 18.792   | ug/l       | 98       |
| 39) Methylcyclohexane        | 9.461     | 83    | 145242   | 20.117   | ug/l       | 87       |
| 40) Benzene                  | 8.461     | 78    | 375240   | 19.232   | ug/l       | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 20 15:16:35 2021  
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 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 48535    | 19.520  | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 129976   | 19.557  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 168848   | 19.355  | ug/l # | 90       |
| 44) Trichloroethene           | 9.217  | 130  | 110654   | 18.859  | ug/l   | 78       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 90513    | 19.722  | ug/l   | 99       |
| 46) Dibromomethane            | 9.579  | 93   | 73228    | 19.560  | ug/l # | 78       |
| 47) Bromodichloromethane      | 9.764  | 83   | 135683   | 19.503  | ug/l # | 97       |
| 48) Methyl methacrylate       | 9.563  | 41   | 72396    | 19.914  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.577  | 88   | 34732    | 395.268 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 536051   | 100.033 | ug/l   | 90       |
| 52) Toluene                   | 10.507 | 92   | 255384   | 19.200  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 135083   | 19.769  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 147590   | 19.935  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 104658   | 19.689  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 135172   | 19.802  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 11.046 | 76   | 161028   | 19.669  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.043 | 63   | 105190   | 85.236  | ug/l # | 84       |
| 59) 2-Hexanone                | 11.087 | 43   | 380137   | 102.163 | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.240 | 129  | 117775   | 19.640  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 107890   | 19.571  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.979 | 164  | 109431   | 19.026  | ug/l   | 90       |
| 65) Chlorobenzene             | 11.773 | 112  | 292164   | 19.183  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 115172   | 20.047  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.846 | 91   | 476748   | 18.977  | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.956 | 106  | 392850   | 39.091  | ug/l   | 80       |
| 69) o-Xylene                  | 12.283 | 106  | 188526   | 19.416  | ug/l   | 82       |
| 70) Styrene                   | 12.296 | 104  | 306854   | 19.743  | ug/l # | 90       |
| 71) Bromoform                 | 12.460 | 173  | 90966    | 19.744  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 485472   | 18.610  | ug/l   | 94       |
| 74) N-amyl acetate            | 12.390 | 43   | 125567   | 18.486  | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 145953   | 18.656  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 164910   | 27.051  | ug/l # | 100      |
| 77) Bromobenzene              | 12.865 | 156  | 136105   | 18.938  | ug/l   | 55       |
| 78) n-propylbenzene           | 12.924 | 91   | 529239   | 18.913  | ug/l   | 91       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 319610   | 18.469  | ug/l   | 82       |
| 80) 1,3,5-Trimethylbenzene    | 13.063 | 105  | 404575   | 19.171  | ug/l   | 89       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 34534    | 18.558  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 312281   | 18.591  | ug/l   | 85       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 354883   | 18.938  | ug/l   | 85       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 403975   | 19.610  | ug/l   | 89       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 481430   | 19.511  | ug/l   | 92       |
| 86) p-Isopropyltoluene        | 13.618 | 119  | 410902   | 20.175  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.618 | 146  | 233107   | 19.022  | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 234146   | 18.860  | ug/l   | 93       |
| 89) n-Butylbenzene            | 13.946 | 91   | 289818   | 19.075  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.214 | 117  | 72758    | 19.253  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 231460   | 19.838  | ug/l   | 91       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.605 | 75   | 22222    | 18.753  | ug/l # | 34       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 100830   | 18.279  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.372 | 225  | 61424    | 19.439  | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 226066   | 17.996  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.705 | 180  | 97431    | 18.654  | ug/l   | 97       |

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Response via : Initial Calibration

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

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

