

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071421\  
 Data File : VN067740.D  
 Acq On : 14 Jul 2021 13:55  
 Operator : JC/MD  
 Sample : VN0714MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0714MBS01

Manual Integrations  
 APPROVED

Quant Time: Jul 14 17:50:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 07 16:18:53 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.088  | 168  | 383844   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 694897   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.747 | 117  | 661653   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.678 | 152  | 301128   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 280665   | 48.382   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 96.760% |
| 35) Dibromofluoromethane    | 8.024  | 113   | 206460   | 49.176   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 98.360% |
| 50) Toluene-d8              | 10.443 | 98    | 856357   | 48.730   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 97.460% |
| 62) 4-Bromofluorobenzene    | 12.734 | 95    | 302266   | 48.690   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 97.380% |

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|                              |       |     |          |         |      |      |
|------------------------------|-------|-----|----------|---------|------|------|
| Target Compounds             |       |     |          | Qvalue  |      |      |
| 2) Dichlorodifluoromethane   | 2.070 | 85  | 64701    | 19.831  | ug/l | 97   |
| 3) Chloromethane             | 2.301 | 50  | 85635    | 16.572  | ug/l | 96   |
| 4) Vinyl Chloride            | 2.443 | 62  | 137981   | 17.693  | ug/l | 97   |
| 5) Bromomethane              | 2.851 | 94  | 119835   | 19.615  | ug/l | 99   |
| 6) Chloroethane              | 3.017 | 64  | 108519   | 18.316  | ug/l | 97   |
| 7) Trichlorofluoromethane    | 3.368 | 101 | 264844   | 20.353  | ug/l | 98   |
| 8) Diethyl Ether             | 3.819 | 74  | 52396    | 16.877  | ug/l | 95   |
| 9) 1,1,2-Trichlorotrifluo... | 4.200 | 101 | 73963    | 20.792  | ug/l | 97   |
| 10) Methyl Iodide            | 4.411 | 142 | 83986    | 19.819  | ug/l | 92   |
| 11) Tert butyl alcohol       | 5.388 | 59  | 74096    | 88.886  | ug/l | # 86 |
| 12) 1,1-Dichloroethene       | 4.170 | 96  | 67386    | 19.744  | ug/l | 88   |
| 13) Acrolein                 | 4.033 | 56  | 51422    | 124.451 | ug/l | 99   |
| 14) Allyl chloride           | 4.835 | 41  | 114250   | 18.210  | ug/l | 91   |
| 15) Acrylonitrile            | 5.557 | 53  | 199493   | 96.485  | ug/l | 99   |
| 16) Acetone                  | 4.291 | 43  | 167757   | 91.904  | ug/l | 100  |
| 17) Carbon Disulfide         | 4.521 | 76  | 171871   | 18.179  | ug/l | 100  |
| 18) Methyl Acetate           | 4.857 | 43  | 93966    | 18.328  | ug/l | 95   |
| 19) Methyl tert-butyl Ether  | 5.618 | 73  | 272157   | 19.243  | ug/l | 99   |
| 20) Methylene Chloride       | 5.093 | 84  | 86895    | 19.974  | ug/l | 90   |
| 21) trans-1,2-Dichloroethene | 5.594 | 96  | 78165    | 19.371  | ug/l | 88   |
| 22) Diisopropyl ether        | 6.498 | 45  | 269813   | 18.952  | ug/l | # 96 |
| 23) Vinyl Acetate            | 6.436 | 43  | 1119890m | 92.008  | ug/l |      |
| 24) 1,1-Dichloroethane       | 6.388 | 63  | 152973   | 19.274  | ug/l | 99   |
| 25) 2-Butanone               | 7.340 | 43  | 276980   | 91.380  | ug/l | 96   |
| 26) 2,2-Dichloropropane      | 7.324 | 77  | 130674   | 18.840  | ug/l | 96   |
| 27) cis-1,2-Dichloroethene   | 7.324 | 96  | 96069    | 19.024  | ug/l | 86   |
| 28) Bromochloromethane       | 7.659 | 49  | 64899    | 16.757  | ug/l | # 83 |
| 29) Tetrahydrofuran          | 7.689 | 42  | 184505   | 92.563  | ug/l | 94   |
| 30) Chloroform               | 7.818 | 83  | 167046   | 18.738  | ug/l | 98   |
| 31) Cyclohexane              | 8.094 | 56  | 144252   | 17.734  | ug/l | 92   |
| 32) 1,1,1-Trichloroethane    | 8.016 | 97  | 146441   | 18.944  | ug/l | 99   |
| 36) 1,1-Dichloropropene      | 8.223 | 75  | 118172   | 18.307  | ug/l | 97   |
| 37) Ethyl Acetate            | 7.415 | 43  | 113818   | 18.198  | ug/l | 99   |
| 38) Carbon Tetrachloride     | 8.206 | 117 | 122127   | 19.181  | ug/l | 100  |
| 39) Methylcyclohexane        | 9.462 | 83  | 135351   | 19.154  | ug/l | 94   |
| 40) Benzene                  | 8.461 | 78  | 363040   | 18.789  | ug/l | 96   |

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 Sample : VN0714MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0714MBS01

Manual Integrations  
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Quant Time: Jul 14 17:50:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 07 16:18:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.641  | 41   | 56664    | 17.628  | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 136767   | 19.061  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 204114   | 18.553  | ug/l   | 97       |
| 44) Trichloroethene           | 9.218  | 130  | 94012    | 19.172  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 93234    | 19.059  | ug/l   | 99       |
| 46) Dibromomethane            | 9.577  | 93   | 66076    | 19.036  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.765  | 83   | 127465   | 18.784  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.563  | 41   | 89576    | 18.409  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.572  | 88   | 31689    | 348.950 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 635236   | 93.986  | ug/l   | 96       |
| 52) Toluene                   | 10.508 | 92   | 243993   | 19.278  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 134584   | 17.807  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 144146   | 19.101  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 93723    | 19.323  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 144174   | 19.294  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 155499   | 18.696  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 128306   | 77.019  | ug/l   | 94       |
| 59) 2-Hexanone                | 11.087 | 43   | 452135   | 95.837  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.240 | 129  | 93634    | 17.344  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 95503    | 19.286  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.980 | 164  | 90245    | 19.322  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.773 | 112  | 262439   | 19.312  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 94191    | 19.705  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.846 | 91   | 481495   | 19.463  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.956 | 106  | 368880   | 39.424  | ug/l   | 87       |
| 69) o-Xylene                  | 12.283 | 106  | 182201   | 19.806  | ug/l   | 87       |
| 70) Styrene                   | 12.296 | 104  | 298384   | 20.276  | ug/l   | 93       |
| 71) Bromoform                 | 12.460 | 173  | 59230    | 16.258  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.581 | 105  | 470106   | 19.349  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.390 | 43   | 164473   | 18.660  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 138025   | 19.574  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 118352m  | 19.246  | ug/l   |          |
| 77) Bromobenzene              | 12.865 | 156  | 104547   | 19.442  | ug/l   | 79       |
| 78) n-propylbenzene           | 12.924 | 91   | 544860   | 19.828  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 327893   | 19.750  | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 392397   | 19.932  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 34133    | 17.895  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 331082   | 20.153  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 331483   | 19.744  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 393467   | 20.398  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 470140   | 20.234  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 381924   | 20.369  | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 199212   | 19.969  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 199251   | 19.508  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.946 | 91   | 322615   | 20.060  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.214 | 117  | 62443    | 20.052  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 193272   | 20.071  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 23831    | 19.459  | ug/l   | 79       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 84044    | 18.532  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 40951    | 20.238  | ug/l   | 99       |
| 95) Naphthalene               | 15.509 | 128  | 235873   | 18.047  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.703 | 180  | 80945    | 18.580  | ug/l   | 98       |

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Acq On : 14 Jul 2021 13:55  
Operator : JC/MD  
Sample : VN0714MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0714MBS01

Manual Integrations  
APPROVED

Quant Time: Jul 14 17:50:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 07 16:18:53 2021  
Response via : Initial Calibration

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

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

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