

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112421\  
 Data File : VN069645.D  
 Acq On : 24 Nov 2021 16:23  
 Operator : JC/MD  
 Sample : VN1124MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1124MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/26/2021  
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 26 07:00:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.086  | 168  | 1077512  | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 1760707  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.744 | 117  | 1589575  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.675 | 152  | 654137   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.437  | 65    | 825009   | 52.806   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 105.620% |      |
| 35) Dibromofluoromethane    | 8.021  | 113   | 577731   | 54.710   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 109.420% |      |
| 50) Toluene-d8              | 10.440 | 98    | 2215295  | 53.339   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 106.680% |      |
| 62) 4-Bromofluorobenzene    | 12.731 | 95    | 773277   | 50.682   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 101.360% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.073 | 85  | 205298  | 17.834  | ug/l   | 99  |
| 3) Chloromethane             | 2.306 | 50  | 223504  | 16.742  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.448 | 62  | 225513  | 16.870  | ug/l   | 100 |
| 5) Bromomethane              | 2.861 | 94  | 120714  | 13.905  | ug/l   | 96  |
| 6) Chloroethane              | 3.022 | 64  | 142254  | 15.766  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.379 | 101 | 335424  | 16.236  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.824 | 74  | 128186  | 19.177  | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 4.210 | 101 | 188722  | 19.392  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.419 | 142 | 189684  | 15.891  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.374 | 59  | 263500  | 93.597  | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.183 | 96  | 167411  | 19.169  | ug/l   | 90  |
| 13) Acrolein                 | 4.052 | 56  | 29723m  | 69.791  | ug/l   |     |
| 14) Allyl chloride           | 4.840 | 41  | 367835  | 19.051  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.557 | 53  | 734412  | 101.869 | ug/l   | 98  |
| 16) Acetone                  | 4.291 | 43  | 850585  | 100.906 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.532 | 76  | 290648  | 14.079  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.857 | 43  | 536382  | 19.575  | ug/l   | 92  |
| 19) Methyl tert-butyl Ether  | 5.618 | 73  | 765978  | 20.725  | ug/l   | 96  |
| 20) Methylene Chloride       | 5.098 | 84  | 223316  | 18.683  | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.602 | 96  | 177916  | 18.240  | ug/l   | 91  |
| 22) Diisopropyl ether        | 6.495 | 45  | 863491  | 20.761  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.436 | 43  | 3244516 | 100.858 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.393 | 63  | 423225  | 19.978  | ug/l   | 97  |
| 25) 2-Butanone               | 7.337 | 43  | 1153297 | 101.041 | ug/l   | 91  |
| 26) 2,2-Dichloropropane      | 7.327 | 77  | 318240  | 19.200  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.327 | 96  | 239753  | 19.828  | ug/l   | 87  |
| 28) Bromochloromethane       | 7.659 | 49  | 277853  | 25.611  | ug/l # | 80  |
| 29) Tetrahydrofuran          | 7.686 | 42  | 713950  | 101.926 | ug/l   | 90  |
| 30) Chloroform               | 7.817 | 83  | 445101  | 20.494  | ug/l   | 100 |
| 31) Cyclohexane              | 8.094 | 56  | 376247  | 17.627  | ug/l   | 89  |
| 32) 1,1,1-Trichloroethane    | 8.016 | 97  | 360777  | 19.901  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 8.222 | 75  | 288937  | 19.503  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.415 | 43  | 426179  | 21.280  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 8.206 | 117 | 287379  | 20.092  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.459 | 83  | 330136  | 17.913  | ug/l   | 90  |
| 40) Benzene                  | 8.461 | 78  | 919408  | 20.105  | ug/l   | 98  |

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 Sample : VN1124MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1124MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/26/2021  
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 26 07:00:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 217031   | 20.973  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 381387   | 21.300  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 681073   | 21.173  | ug/l   | 94       |
| 44) Trichloroethene           | 9.217  | 130  | 220337   | 20.132  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 255456   | 20.909  | ug/l   | 99       |
| 46) Dibromomethane            | 9.577  | 93   | 167719   | 20.495  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.762  | 83   | 320502   | 20.988  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.561  | 41   | 303402   | 20.047  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 104064   | 372.473 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 2261660  | 108.925 | ug/l   | 96       |
| 52) Toluene                   | 10.505 | 92   | 573595   | 20.134  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 320884   | 18.826  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 355895   | 19.097  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 246615   | 21.475  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.760 | 69   | 396669   | 19.629  | ug/l   | 86       |
| 57) 1,3-Dichloropropane       | 11.044 | 76   | 426205   | 21.120  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 358539   | 81.332  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.087 | 43   | 1602301  | 96.435  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.237 | 129  | 224592   | 19.374  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 241238   | 19.488  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.977 | 164  | 194559   | 20.271  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.771 | 112  | 618002   | 20.887  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.840 | 131  | 229353   | 22.349  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.846 | 91   | 1127937  | 20.670  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.953 | 106  | 812420   | 40.480  | ug/l   | 92       |
| 69) o-Xylene                  | 12.280 | 106  | 414379   | 20.711  | ug/l   | 92       |
| 70) Styrene                   | 12.294 | 104  | 657932   | 19.278  | ug/l   | 95       |
| 71) Bromoform                 | 12.455 | 173  | 152214   | 19.338  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.578 | 105  | 1102636  | 21.171  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.388 | 43   | 443256   | 20.082  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.827 | 83   | 389157   | 22.154  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 343538m  | 22.757  | ug/l   |          |
| 77) Bromobenzene              | 12.860 | 156  | 256940   | 21.571  | ug/l   | 81       |
| 78) n-propylbenzene           | 12.919 | 91   | 1199382  | 20.466  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.007 | 91   | 761501   | 20.986  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.058 | 105  | 886248   | 21.049  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 79440    | 19.638  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 13.104 | 91   | 707047   | 20.440  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.324 | 119  | 810870   | 21.976  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.366 | 105  | 856352   | 21.068  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.501 | 105  | 1063518  | 20.634  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 845991   | 20.676  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 419367   | 20.307  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.694 | 146  | 407767   | 20.127  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.943 | 91   | 649405   | 19.033  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.209 | 117  | 140321   | 20.013  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 425846   | 21.671  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 62411    | 20.220  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 179595   | 19.470  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.370 | 225  | 110542   | 21.650  | ug/l   | 100      |
| 95) Naphthalene               | 15.507 | 128  | 527363   | 20.995  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.700 | 180  | 179473   | 20.242  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112421\  
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Sample : VN1124MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1124MBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/26/2021  
Supervised By :Mahesh Dadoda 11/26/2021

Quant Time: Nov 26 07:00:32 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 09 18:18:22 2021  
Response via : Initial Calibration

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

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

