

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050421\  
 Data File : VN066976.D  
 Acq On : 5 May 2021 8:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/5/2021 5:34:57 PM

Quant Time: May 05 08:40:15 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        | 7.590          | 168  | 354217             | 50.00  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.518          | 114  | 644987             | 50.00  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.350         | 117  | 600929             | 50.00  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.289         | 152  | 262740             | 50.00  | ug/l  | 0.00     |
|                              |                |      |                    |        |       |          |
| System Monitoring Compounds  |                |      |                    |        |       |          |
| 33) 1,2-Dichloroethane-d4    | 7.952          | 65   | 361945             | 64.92  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 129.84% |        |       |          |
| 35) Dibromofluoromethane     | 7.512          | 113  | 253295             | 57.83  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 115.66% |        |       |          |
| 50) Toluene-d8               | 10.027         | 98   | 850383             | 50.98  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 101.96% |        |       |          |
| 62) 4-Bromofluorobenzene     | 12.345         | 95   | 302520             | 53.57  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 107.14% |        |       |          |
|                              |                |      |                    |        |       |          |
| Target Compounds             |                |      |                    |        |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.834          | 85   | 216099             | 45.17  | ug/l  | 96       |
| 3) Chloromethane             | 2.033          | 50   | 390277             | 56.85  | ug/l  | 98       |
| 4) Vinyl Chloride            | 2.161          | 62   | 359916             | 54.61  | ug/l  | 99       |
| 5) Bromomethane              | 2.499          | 94   | 204274             | 58.27  | ug/l  | 96       |
| 6) Chloroethane              | 2.649          | 64   | 221194             | 56.93  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 2.966          | 101  | 376109             | 48.08  | ug/l  | 99       |
| 8) Diethyl Ether             | 3.355          | 74   | 177572             | 63.19  | ug/l  | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 3.695          | 101  | 160615             | 40.37  | ug/l  | 94       |
| 10) Methyl Iodide            | 3.883          | 142  | 314410             | 59.95  | ug/l  | # 88     |
| 11) Tert butyl alcohol       | 4.709          | 59   | 268284             | 340.81 | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 3.671          | 96   | 199996             | 51.64  | ug/l  | 89       |
| 13) Acrolein                 | 3.545          | 56   | 184565             | 281.80 | ug/l  | 97       |
| 14) Allyl chloride           | 4.242          | 41   | 427214             | 55.01  | ug/l  | 92       |
| 15) Acrylonitrile            | 4.894          | 53   | 789271             | 337.83 | ug/l  | 99       |
| 16) Acetone                  | 3.754          | 43   | 653513             | 333.19 | ug/l  | 98       |
| 17) Carbon Disulfide         | 3.982          | 76   | 597526             | 49.79  | ug/l  | 98       |
| 18) Methyl Acetate           | 4.251          | 43   | 398340             | 70.99  | ug/l  | 95       |
| 19) Methyl tert-butyl Ether  | 4.956          | 73   | 929795             | 66.98  | ug/l  | 96       |
| 20) Methylene Chloride       | 4.468          | 84   | 310738             | 62.46  | ug/l  | 90       |
| 21) trans-1,2-Dichloroethene | 4.951          | 96   | 231776             | 55.03  | ug/l  | 85       |
| 22) Diisopropyl ether        | 5.862          | 45   | 1015861            | 64.63  | ug/l  | 95       |
| 23) Vinyl Acetate            | 5.806          | 43   | 4218964            | 335.31 | ug/l  | 96       |
| 24) 1,1-Dichloroethane       | 5.758          | 63   | 551144             | 60.66  | ug/l  | 97       |
| 25) 2-Butanone               | 6.747          | 43   | 971703             | 336.01 | ug/l  | 94       |
| 26) 2,2-Dichloropropane      | 6.731          | 77   | 221966             | 29.10  | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 6.739          | 96   | 286924             | 59.44  | ug/l  | 92       |
| 28) Bromochloromethane       | 7.112          | 49   | 269448             | 64.14  | ug/l  | # 78     |
| 29) Tetrahydrofuran          | 7.128          | 42   | 669096             | 348.70 | ug/l  | 94       |
| 30) Chloroform               | 7.289          | 83   | 535148             | 61.71  | ug/l  | 98       |
| 31) Cyclohexane              | 7.579          | 56   | 293691             | 37.44  | ug/l  | 91       |
| 32) 1,1,1-Trichloroethane    | 7.493          | 97   | 407480             | 54.47  | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 7.716          | 75   | 294509             | 43.84  | ug/l  | 97       |
| 37) Ethyl Acetate            | 6.844          | 43   | 426436             | 62.29  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 7.697          | 117  | 320483             | 45.75  | ug/l  | 99       |
| 39) Methylcyclohexane        | 9.016          | 83   | 254809             | 34.03  | ug/l  | 90       |
| 40) Benzene                  | 7.968          | 78   | 1128804            | 53.52  | ug/l  | 99       |

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 Sample : VSTDCCC050  
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 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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MMDadoda  
 5/5/2021 5:34:57 PM

Quant Time: May 05 08:40:15 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         | 7.088  | 41   | 198742   | 67.56   | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.051  | 62   | 451618   | 60.03   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.094  | 43   | 688808   | 61.97   | ug/l # | 89       |
| 44) Trichloroethene           | 8.770  | 130  | 220090   | 47.37   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.051  | 63   | 331240   | 56.22   | ug/l   | 98       |
| 46) Dibromomethane            | 9.145  | 93   | 205199   | 59.05   | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.338  | 83   | 438481   | 58.37   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.137  | 41   | 312805   | 63.51   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.137  | 88   | 99209    | 1270.76 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 9.923  | 43   | 2116576  | 329.40  | ug/l   | 97       |
| 52) Toluene                   | 10.095 | 92   | 615977   | 49.70   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.323 | 75   | 408679   | 51.01   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.778  | 75   | 460952   | 52.12   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.502 | 97   | 287845   | 58.54   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.371 | 69   | 426026   | 54.51   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.647 | 76   | 510840   | 58.61   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.633  | 63   | 418043   | 354.98  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.693 | 43   | 1376181  | 288.25  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.843 | 129  | 323231   | 58.70   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.947 | 107  | 282411   | 58.95   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.572 | 164  | 164990   | 40.17   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.374 | 112  | 632967   | 49.21   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.449 | 131  | 271754   | 54.48   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.454 | 91   | 1041725  | 45.99   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.564 | 106  | 786548   | 93.31   | ug/l   | 94       |
| 69) o-Xylene                  | 11.891 | 106  | 402501   | 49.33   | ug/l   | 94       |
| 70) Styrene                   | 11.910 | 104  | 672944   | 46.58   | ug/l   | 95       |
| 71) Bromoform                 | 12.071 | 173  | 216095   | 59.95   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.195 | 105  | 964643   | 47.33   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.026 | 43   | 211328   | 57.46   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.449 | 83   | 466940   | 65.36   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.498 | 75   | 416558m  | 66.55   | ug/l   |          |
| 77) Bromobenzene              | 12.471 | 156  | 266147   | 55.35   | ug/l   | 77       |
| 78) n-propylbenzene           | 12.535 | 91   | 1063737  | 45.98   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.618 | 91   | 736056   | 48.58   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.677 | 105  | 847801   | 47.67   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.248 | 75   | 100987   | 50.51   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.717 | 91   | 732170   | 50.20   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 12.937 | 119  | 669337   | 44.86   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 12.986 | 105  | 834540   | 49.16   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.117 | 105  | 837148   | 43.20   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.235 | 119  | 731532   | 43.93   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.227 | 146  | 422780   | 50.69   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.310 | 146  | 418096   | 49.84   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.562 | 91   | 538292   | 37.52   | ug/l   | 97       |
| 90) Hexachloroethane          | 13.814 | 117  | 167368   | 44.65   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.600 | 146  | 461077   | 55.27   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.222 | 75   | 82203    | 64.94   | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 14.855 | 180  | 228298   | 51.72   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.949 | 225  | 112564   | 41.66   | ug/l   | 99       |
| 95) Naphthalene               | 15.072 | 128  | 695938   | 60.31   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.252 | 180  | 228302   | 53.36   | ug/l   | 99       |

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Quant Time: May 05 08:40:15 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

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