

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102121\  
 Data File : VN069078.D  
 Acq On : 21 Oct 2021 10:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/22/2021 7:09:10 PM

Quant Time: Oct 21 12:59:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 310920     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 543087     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 520415     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 231160     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 199336     | 48.626   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 97.260%  |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 152496     | 48.262   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 96.520%  |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 612244     | 48.427   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 96.860%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 242686     | 50.879   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 101.760% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 170398     | 44.160   | ug/l   | 100      |
| 3) Chloromethane             | 2.301          | 50   | 176146     | 46.351   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.445          | 62   | 207836     | 53.844   | ug/l   | 99       |
| 5) Bromomethane              | 2.832          | 94   | 137908     | 64.953   | ug/l   | 100      |
| 6) Chloroethane              | 3.006          | 64   | 137239     | 60.330   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.371          | 101  | 277958     | 51.426   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.827          | 74   | 102169     | 50.676   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.216          | 101  | 157034     | 54.032   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.425          | 142  | 192525     | 45.641   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.363          | 59   | 165372     | 220.771  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.183          | 96   | 145794     | 48.529   | ug/l   | 98       |
| 13) Acrolein                 | 4.044          | 56   | 79922      | 241.190  | ug/l   | 99       |
| 14) Allyl chloride           | 4.843          | 41   | 255965     | 47.527   | ug/l   | 95       |
| 15) Acrylonitrile            | 5.554          | 53   | 414497     | 246.954  | ug/l   | 98       |
| 16) Acetone                  | 4.285          | 43   | 457113     | 298.804  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.535          | 76   | 366429     | 44.942   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.854          | 43   | 295068     | 50.851   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.616          | 73   | 586789     | 52.455   | ug/l   | 100      |
| 20) Methylene Chloride       | 5.101          | 84   | 176285     | 50.066   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.599          | 96   | 159015     | 48.993   | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.495          | 45   | 587525     | 52.458   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.434          | 43   | 2177459    | 257.172  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.391          | 63   | 313489     | 51.517   | ug/l   | 100      |
| 25) 2-Butanone               | 7.332          | 43   | 616468     | 266.486  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 296609     | 51.147   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.327          | 96   | 197597     | 50.363   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.659          | 49   | 135883     | 49.303   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.683          | 42   | 372611     | 248.321  | ug/l   | 97       |
| 30) Chloroform               | 7.820          | 83   | 345495     | 53.874   | ug/l   | 100      |
| 31) Cyclohexane              | 8.096          | 56   | 289080     | 45.354   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 307674     | 51.465   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.225          | 75   | 243014     | 52.387   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.410          | 43   | 238488     | 49.779   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.209          | 117  | 259024     | 50.842   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.462          | 83   | 315540     | 52.849   | ug/l   | 97       |
| 40) Benzene                  | 8.461          | 78   | 737239     | 52.192   | ug/l   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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MMDadoda  
 10/22/2021 7:09:10 PM

Quant Time: Oct 21 12:59:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 122584   | 50.758  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 279261   | 55.829  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 432910   | 51.213  | ug/l   | 99       |
| 44) Trichloroethene           | 9.217  | 130  | 184483   | 52.184  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 194984   | 53.196  | ug/l   | 98       |
| 46) Dibromomethane            | 9.577  | 93   | 133753   | 53.458  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.762  | 83   | 280388   | 54.079  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.561  | 41   | 199023   | 50.109  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 71951    | 931.973 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 1267247  | 258.544 | ug/l   | 100      |
| 52) Toluene                   | 10.507 | 92   | 489508   | 53.863  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 318004   | 54.146  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 328042   | 53.684  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 196468   | 54.832  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.762 | 69   | 321764   | 53.485  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 331493   | 56.107  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 372815   | 213.619 | ug/l   | 98       |
| 59) 2-Hexanone                | 11.087 | 43   | 958514   | 272.692 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.240 | 129  | 216648   | 53.568  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 201957   | 54.952  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 157965   | 47.119  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.773 | 112  | 535267   | 54.354  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 200345   | 51.978  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.846 | 91   | 993568   | 54.315  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.956 | 106  | 744408   | 107.349 | ug/l   | 99       |
| 69) o-Xylene                  | 12.283 | 106  | 372299   | 53.637  | ug/l   | 99       |
| 70) Styrene                   | 12.296 | 104  | 625326   | 55.344  | ug/l   | 99       |
| 71) Bromoform                 | 12.460 | 173  | 153006   | 49.554  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 994614   | 51.693  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.390 | 43   | 375734   | 51.544  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 294352   | 52.938  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 267663m  | 54.420  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 222770   | 52.360  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.924 | 91   | 1156037  | 53.465  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 703012   | 52.750  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.063 | 105  | 837265   | 52.243  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 98467    | 47.897  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 702600   | 54.556  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.326 | 119  | 735019   | 52.686  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 822508   | 53.267  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 1040544  | 53.856  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 842918   | 54.391  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 400600   | 54.434  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 392502   | 53.737  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.946 | 91   | 722158   | 55.975  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.214 | 117  | 160587   | 49.329  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 378150   | 52.896  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 52121    | 48.618  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 182269   | 47.107  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 99973    | 49.112  | ug/l   | 100      |
| 95) Naphthalene               | 15.507 | 128  | 485511   | 45.619  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 172900   | 46.965  | ug/l   | 99       |

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10/22/2021 7:09:10 PM

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Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 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

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