

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102121\  
 Data File : VN069081.D  
 Acq On : 21 Oct 2021 12:06  
 Operator : JC/MD  
 Sample : VN1021WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/22/2021 7:09:11 PM

Quant Time: Oct 21 13:01:06 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  | 322909              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.971          | 114  | 566706              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 520913              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 226539              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 225519              | 52.971 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 105.940% |        |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 173435              | 52.602 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 105.200% |        |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 702267              | 53.233 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 106.460% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 258803              | 51.996 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 104.000% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.075          | 85   | 68681               | 17.899 | ug/l   | 98       |
| 3) Chloromethane             | 2.303          | 50   | 74521               | 18.881 | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.445          | 62   | 86712               | 21.630 | ug/l   | 100      |
| 5) Bromomethane              | 2.856          | 94   | 60800               | 27.573 | ug/l   | 98       |
| 6) Chloroethane              | 3.022          | 64   | 56764               | 24.027 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.376          | 101  | 116408              | 20.737 | ug/l   | 97       |
| 8) Diethyl Ether             | 3.829          | 74   | 41078               | 19.618 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.218          | 101  | 64965               | 21.523 | ug/l   | 99       |
| 10) Methyl Iodide            | 4.427          | 142  | 71757               | 16.380 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.366          | 59   | 67124               | 86.283 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.189          | 96   | 60275               | 19.318 | ug/l   | 97       |
| 13) Acrolein                 | 4.047          | 56   | 21736               | 63.160 | ug/l   | 99       |
| 14) Allyl chloride           | 4.846          | 41   | 102903              | 18.398 | ug/l # | 87       |
| 15) Acrylonitrile            | 5.554          | 53   | 165223              | 94.784 | ug/l   | 98       |
| 16) Acetone                  | 4.288          | 43   | 154216              | 97.065 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.537          | 76   | 145875              | 17.227 | ug/l   | 98       |
| 18) Methyl Acetate           | 4.859          | 43   | 119702              | 19.863 | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.616          | 73   | 231411              | 19.918 | ug/l   | 100      |
| 20) Methylene Chloride       | 5.101          | 84   | 73342               | 20.056 | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.605          | 96   | 63916               | 18.961 | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.498          | 45   | 229250              | 19.709 | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.434          | 43   | 838109              | 95.311 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.393          | 63   | 126819              | 20.067 | ug/l   | 100      |
| 25) 2-Butanone               | 7.335          | 43   | 229022              | 95.325 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 118097              | 19.608 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.329          | 96   | 79827               | 19.591 | ug/l   | 99       |
| 28) Bromochloromethane       | 7.659          | 49   | 47456               | 16.579 | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.686          | 42   | 145826              | 93.575 | ug/l   | 96       |
| 30) Chloroform               | 7.820          | 83   | 136996              | 20.569 | ug/l   | 99       |
| 31) Cyclohexane              | 8.099          | 56   | 122890              | 18.565 | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 122103              | 19.666 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 99693               | 20.595 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.412          | 43   | 93701               | 18.743 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.209          | 117  | 104817              | 19.716 | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.462          | 83   | 125902              | 20.208 | ug/l   | 97       |
| 40) Benzene                  | 8.461          | 78   | 299279              | 20.304 | ug/l   | 99       |

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 Sample : VN1021WBS01  
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 ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations  
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MMDadoda  
 10/22/2021 7:09:11 PM

Quant Time: Oct 21 13:01:06 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         | 7.640  | 41   | 45769    | 18.162  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 108229   | 20.735  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.560  | 43   | 173935   | 19.719  | ug/l   | 100      |
| 44) Trichloroethene           | 9.217  | 130  | 74108    | 20.089  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 78246    | 20.458  | ug/l   | 98       |
| 46) Dibromomethane            | 9.580  | 93   | 53138    | 20.353  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.765  | 83   | 108481   | 20.051  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.561  | 41   | 76880    | 18.550  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.571  | 88   | 28260    | 373.014 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 491899   | 96.175  | ug/l   | 100      |
| 52) Toluene                   | 10.507 | 92   | 194490   | 20.509  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 118316   | 19.306  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 124928   | 19.592  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 76696    | 20.513  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 122680   | 19.543  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 128060   | 20.771  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 125588   | 81.664  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.087 | 43   | 351190   | 95.748  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.240 | 129  | 79589    | 18.859  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 77838    | 20.297  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.980 | 164  | 65382    | 19.484  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.773 | 112  | 209784   | 21.282  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 76927    | 19.939  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.846 | 91   | 388988   | 21.244  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.956 | 106  | 290824   | 41.899  | ug/l   | 100      |
| 69) o-Xylene                  | 12.283 | 106  | 142801   | 20.554  | ug/l   | 98       |
| 70) Styrene                   | 12.296 | 104  | 233402   | 20.637  | ug/l   | 100      |
| 71) Bromoform                 | 12.460 | 173  | 53522    | 17.318  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 382078   | 20.263  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.390 | 43   | 132268   | 18.515  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 111336   | 20.432  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 110003m  | 22.822  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 82402    | 19.763  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.921 | 91   | 433030   | 20.435  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 265497   | 20.328  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 319166   | 20.321  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 32997    | 16.378  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 259351   | 20.549  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 282194   | 20.640  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 310095   | 20.492  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 392111   | 20.709  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 314944   | 20.737  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 148922   | 20.649  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 147450   | 20.599  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.946 | 91   | 254300   | 20.113  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.214 | 117  | 57428    | 18.001  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 145413   | 20.755  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 18877    | 17.967  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 60777    | 17.744  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 38794    | 19.446  | ug/l   | 99       |
| 95) Naphthalene               | 15.509 | 128  | 151628   | 17.135  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 58020    | 17.735  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

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10/22/2021 7:09:11 PM

Quant Time: Oct 21 13:01:06 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

