

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102721\  
 Data File : VN069182.D  
 Acq On : 26 Oct 2021 13:49  
 Operator : JC/MD  
 Sample : VN1027WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1027WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 10/27/2021 5:05:01 PM

Quant Time: Oct 27 06:54:07 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  | 245996              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 424820              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 400104              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 175624              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 175779              | 54.196  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 108.400% |         |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 132458              | 53.591  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 107.180% |         |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 520390              | 52.621  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 105.240% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 200388              | 53.706  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 107.420% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.075          | 85   | 49543               | 17.015  | ug/l   | 98       |
| 3) Chloromethane             | 2.303          | 50   | 49956               | 16.615  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.445          | 62   | 59906               | 19.616  | ug/l   | 98       |
| 5) Bromomethane              | 2.864          | 94   | 40302               | 23.991  | ug/l   | 96       |
| 6) Chloroethane              | 3.025          | 64   | 40387               | 22.440  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.382          | 101  | 86178               | 20.152  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.832          | 74   | 32141               | 20.149  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.218          | 101  | 47697               | 20.743  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.427          | 142  | 48853               | 14.638  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.366          | 59   | 63916               | 107.848 | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 4.191          | 96   | 43688               | 18.380  | ug/l   | 96       |
| 13) Acrolein                 | 4.047          | 56   | 10949               | 41.763  | ug/l   | 99       |
| 14) Allyl chloride           | 4.851          | 41   | 78836               | 18.502  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.554          | 53   | 153084              | 115.277 | ug/l   | 99       |
| 16) Acetone                  | 4.288          | 43   | 152397              | 125.910 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.537          | 76   | 101958              | 15.805  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.857          | 43   | 105789              | 23.043  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 183843              | 20.772  | ug/l   | 100      |
| 20) Methylene Chloride       | 5.101          | 84   | 55368               | 19.875  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.608          | 96   | 47513               | 18.502  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.498          | 45   | 170292              | 19.218  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.436          | 43   | 668790              | 99.835  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.391          | 63   | 93992               | 19.523  | ug/l   | 100      |
| 25) 2-Butanone               | 7.335          | 43   | 216611              | 118.349 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.329          | 77   | 85993               | 18.742  | ug/l   | 78       |
| 27) cis-1,2-Dichloroethene   | 7.324          | 96   | 61628               | 19.853  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.657          | 49   | 40683               | 18.657  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.686          | 42   | 137608              | 115.910 | ug/l   | 97       |
| 30) Chloroform               | 7.820          | 83   | 103260              | 20.351  | ug/l   | 95       |
| 31) Cyclohexane              | 8.099          | 56   | 88146               | 17.479  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 8.019          | 97   | 89650               | 18.954  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.225          | 75   | 73635               | 20.293  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.412          | 43   | 85088               | 22.704  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.209          | 117  | 74884               | 18.791  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.462          | 83   | 89885               | 19.246  | ug/l   | 97       |
| 40) Benzene                  | 8.464          | 78   | 221349              | 20.033  | ug/l   | 99       |

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 Sample : VN1027WBSD02  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VN1027WBSD02

Manual Integrations  
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MMDadoda  
 10/27/2021 5:05:01 PM

Quant Time: Oct 27 06:54:07 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   | 40489    | 21.433  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 84927    | 21.705  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 142452   | 21.543  | ug/l   | 99       |
| 44) Trichloroethene           | 9.217  | 130  | 56954    | 20.595  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.494  | 63   | 57221    | 19.957  | ug/l   | 97       |
| 46) Dibromomethane            | 9.580  | 93   | 42102    | 21.512  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.765  | 83   | 80581    | 19.868  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.561  | 41   | 65078    | 20.946  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.566  | 88   | 25845    | 447.235 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 438473   | 114.362 | ug/l   | 99       |
| 52) Toluene                   | 10.507 | 92   | 146591   | 20.621  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 91452    | 19.906  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 94914    | 19.857  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 60577    | 21.613  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 98462    | 20.923  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 100191   | 21.679  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 120190   | 99.067  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.087 | 43   | 328341   | 119.416 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.240 | 129  | 60491    | 19.121  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 63439    | 22.067  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 50658    | 19.655  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.771 | 112  | 159648   | 21.086  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 58318    | 19.680  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.846 | 91   | 291006   | 20.692  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.956 | 106  | 220177   | 41.299  | ug/l   | 100      |
| 69) o-Xylene                  | 12.283 | 106  | 107730   | 20.188  | ug/l   | 98       |
| 70) Styrene                   | 12.296 | 104  | 180843   | 20.818  | ug/l   | 99       |
| 71) Bromoform                 | 12.460 | 173  | 42707    | 17.991  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 287368   | 19.658  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.390 | 43   | 109394   | 19.753  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 94960    | 22.479  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 82290m   | 22.022  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 67114    | 20.763  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.921 | 91   | 332809   | 20.259  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 202378   | 19.987  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 240508   | 19.753  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 27263    | 17.455  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 200788   | 20.521  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 210667   | 19.876  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 236824   | 20.187  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 298686   | 20.348  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 241935   | 20.548  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 118827   | 21.252  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 118801   | 21.408  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.946 | 91   | 205247   | 20.940  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.214 | 117  | 41371    | 16.727  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 112349   | 20.685  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 18106    | 22.230  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180  | 57633    | 21.124  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 31649    | 20.464  | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 166504   | 22.683  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 56199    | 21.531  | ug/l   | 98       |

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ALS Vial : 7 Sample Multiplier: 1

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Manual Integrations  
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10/27/2021 5:05:01 PM

Quant Time: Oct 27 06:54:07 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

