

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082521\  
 Data File : VN068300.D  
 Acq On : 25 Aug 2021 15:12  
 Operator : JC/MD  
 Sample : VN0825WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0825WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/26/2021 9:05:36 AM

Quant Time: Aug 26 04:02:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 534288              | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 819755              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 799658              | 50.000  | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 380631              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 300552              | 52.685  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 105.360% |         |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 275264              | 53.484  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 106.960% |         |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 1044021             | 53.238  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 106.480% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 341558              | 52.320  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 104.640% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 78079               | 18.443  | ug/l   | 96       |
| 3) Chloromethane             | 2.303          | 50   | 89986               | 18.814  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.443          | 62   | 147098              | 19.627  | ug/l   | 98       |
| 5) Bromomethane              | 2.851          | 94   | 142700              | 22.424  | ug/l   | 97       |
| 6) Chloroethane              | 3.017          | 64   | 108400              | 21.625  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.371          | 101  | 298637              | 20.269  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.821          | 74   | 98662               | 28.869  | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 4.202          | 101  | 91599               | 20.333  | ug/l # | 85       |
| 10) Methyl Iodide            | 4.414          | 142  | 122797              | 19.170  | ug/l   | 89       |
| 11) Tert butyl alcohol       | 5.393          | 59   | 76771               | 107.912 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.173          | 96   | 85734               | 19.794  | ug/l # | 76       |
| 13) Acrolein                 | 4.036          | 56   | 22586               | 40.158  | ug/l   | 98       |
| 14) Allyl chloride           | 4.838          | 41   | 111394              | 20.120  | ug/l # | 94       |
| 15) Acrylonitrile            | 5.559          | 53   | 215922              | 107.727 | ug/l   | 99       |
| 16) Acetone                  | 4.293          | 43   | 187903              | 112.813 | ug/l # | 88       |
| 17) Carbon Disulfide         | 4.519          | 76   | 206360              | 18.430  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.857          | 43   | 101324              | 22.029  | ug/l # | 85       |
| 19) Methyl tert-butyl Ether  | 5.621          | 73   | 293607              | 21.026  | ug/l   | 97       |
| 20) Methylene Chloride       | 5.093          | 84   | 108434              | 22.356  | ug/l # | 80       |
| 21) trans-1,2-Dichloroethene | 5.594          | 96   | 96560               | 19.913  | ug/l # | 79       |
| 22) Diisopropyl ether        | 6.501          | 45   | 254582              | 21.049  | ug/l # | 94       |
| 23) Vinyl Acetate            | 6.436          | 43   | 975635              | 103.631 | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 161622              | 20.000  | ug/l   | 97       |
| 25) 2-Butanone               | 7.343          | 43   | 282211              | 108.721 | ug/l # | 85       |
| 26) 2,2-Dichloropropane      | 7.324          | 77   | 151927              | 21.942  | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene   | 7.324          | 96   | 115446              | 19.883  | ug/l   | 77       |
| 28) Bromochloromethane       | 7.657          | 49   | 74240               | 20.892  | ug/l # | 43       |
| 29) Tetrahydrofuran          | 7.689          | 42   | 180560              | 108.767 | ug/l # | 81       |
| 30) Chloroform               | 7.818          | 83   | 199186              | 20.692  | ug/l   | 98       |
| 31) Cyclohexane              | 8.097          | 56   | 144948              | 19.290  | ug/l # | 83       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 183695              | 21.398  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.220          | 75   | 131799              | 19.668  | ug/l   | 91       |
| 37) Ethyl Acetate            | 7.418          | 43   | 110661              | 19.384  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.204          | 117  | 162485              | 21.023  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.462          | 83   | 164137              | 21.687  | ug/l   | 86       |
| 40) Benzene                  | 8.461          | 78   | 418889              | 20.480  | ug/l   | 100      |

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 ALS Vial : 12 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.641  | 41   | 54803    | 21.026  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 142471   | 20.450  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 191881   | 20.983  | ug/l # | 89       |
| 44) Trichloroethene           | 9.218  | 130  | 120749   | 19.632  | ug/l   | 79       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 101045   | 21.003  | ug/l   | 98       |
| 46) Dibromomethane            | 9.577  | 93   | 81064    | 20.656  | ug/l # | 79       |
| 47) Bromodichloromethane      | 9.765  | 83   | 154158   | 21.139  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.561  | 41   | 81199    | 21.307  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.572  | 88   | 39916    | 433.347 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 616788   | 109.800 | ug/l   | 90       |
| 52) Toluene                   | 10.508 | 92   | 292816   | 21.000  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 153077   | 21.371  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 164685   | 21.220  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 117629   | 21.110  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 149628   | 20.911  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 177419   | 20.673  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 106941   | 83.226  | ug/l # | 83       |
| 59) 2-Hexanone                | 11.087 | 43   | 428632   | 109.891 | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.240 | 129  | 135998   | 21.634  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 125322   | 21.687  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 127843   | 20.675  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.774 | 112  | 325864   | 19.903  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 130150   | 21.073  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.849 | 91   | 548801   | 20.321  | ug/l   | 92       |
| 68) m/p-Xylenes               | 11.956 | 106  | 449161   | 41.575  | ug/l   | 79       |
| 69) o-Xylene                  | 12.283 | 106  | 215367   | 20.632  | ug/l   | 80       |
| 70) Styrene                   | 12.296 | 104  | 348274   | 20.844  | ug/l # | 90       |
| 71) Bromoform                 | 12.460 | 173  | 106423   | 21.486  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 553117   | 20.432  | ug/l   | 93       |
| 74) N-amyl acetate            | 12.390 | 43   | 133039   | 18.873  | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 166643   | 20.526  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 138735m  | 21.929  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 150105   | 20.127  | ug/l   | 56       |
| 78) n-propylbenzene           | 12.924 | 91   | 593277   | 20.430  | ug/l   | 90       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 363913   | 20.264  | ug/l   | 81       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 468665   | 21.401  | ug/l   | 91       |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 41193    | 21.332  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 345210   | 19.804  | ug/l   | 83       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 413698   | 21.273  | ug/l   | 84       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 447311   | 20.923  | ug/l   | 88       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 553030   | 21.598  | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 452643   | 21.416  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 257618   | 20.258  | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 248636   | 19.299  | ug/l   | 92       |
| 89) n-Butylbenzene            | 13.946 | 91   | 312468   | 19.818  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.214 | 117  | 85889    | 21.901  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 247592   | 20.449  | ug/l   | 91       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 26289    | 21.378  | ug/l # | 41       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 101222   | 17.770  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 68952    | 21.027  | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 215393   | 16.796  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.703 | 180  | 95186    | 17.727  | ug/l   | 96       |

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| 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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