

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071422\  
 Data File : VN073460.D  
 Acq On : 14 Jul 2022 14:51  
 Operator : JC\MD  
 Sample : VN0714WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0714WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/15/2022  
 Supervised By : Mahesh Dadoda 07/15/2022

Quant Time: Jul 15 02:01:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.016          | 168  | 178194              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904          | 114  | 316560              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686         | 117  | 285767              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.610         | 152  | 131932              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369          | 65   | 157861              | 61.367  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 122.740% |         |        |          |
| 35) Dibromofluoromethane     | 7.951          | 113  | 123478              | 58.628  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 117.260% |         |        |          |
| 50) Toluene-d8               | 10.381         | 98   | 414620              | 55.429  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 110.860% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.669         | 95   | 165089              | 57.430  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 114.860% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 53219               | 20.428  | ug/l   | 94       |
| 3) Chloromethane             | 2.269          | 50   | 47989               | 18.973  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.405          | 62   | 43705               | 20.337  | ug/l   | 100      |
| 5) Bromomethane              | 2.799          | 94   | 21898               | 21.574  | ug/l   | 95       |
| 6) Chloroethane              | 2.969          | 64   | 27761               | 21.960  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.316          | 101  | 79336               | 21.354  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.769          | 74   | 35112               | 23.216  | ug/l   | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 4.140          | 101  | 46170               | 21.031  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.346          | 142  | 45873               | 18.302  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.293          | 59   | 86773               | 139.247 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.116          | 96   | 42651               | 20.332  | ug/l   | 92       |
| 13) Acrolein                 | 3.981          | 56   | 23131               | 58.726  | ug/l   | 94       |
| 14) Allyl chloride           | 4.757          | 41   | 101749              | 23.025  | ug/l # | 91       |
| 15) Acrylonitrile            | 5.481          | 53   | 219804              | 137.020 | ug/l   | 99       |
| 16) Acetone                  | 4.222          | 43   | 206973              | 143.338 | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.457          | 76   | 95023               | 17.470  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.781          | 43   | 120910              | 29.880  | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 5.540          | 73   | 188086              | 24.601  | ug/l   | 100      |
| 20) Methylene Chloride       | 5.022          | 84   | 55815               | 21.995  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.516          | 96   | 46812               | 21.357  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.410          | 45   | 212230              | 25.737  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.351          | 43   | 912204              | 123.556 | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.304          | 63   | 103624              | 24.283  | ug/l   | 97       |
| 25) 2-Butanone               | 7.263          | 43   | 340911              | 148.292 | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 7.245          | 77   | 83731               | 21.216  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.245          | 96   | 59757               | 22.513  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.587          | 49   | 51244               | 28.673  | ug/l # | 80       |
| 29) Tetrahydrofuran          | 7.610          | 42   | 224169              | 142.409 | ug/l   | 86       |
| 30) Chloroform               | 7.745          | 83   | 103647              | 24.115  | ug/l   | 100      |
| 31) Cyclohexane              | 8.022          | 56   | 86220               | 20.465  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 7.939          | 97   | 88165               | 23.018  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.151          | 75   | 68922               | 21.268  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.334          | 43   | 125329              | 25.595  | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 8.134          | 117  | 70157               | 20.934  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.392          | 83   | 79673               | 19.747  | ug/l   | 93       |
| 40) Benzene                  | 8.392          | 78   | 221156              | 22.113  | ug/l   | 98       |

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 ALS Vial : 7 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.563  | 41   | 53312    | 22.449  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.463  | 62   | 88060    | 24.290  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.492  | 43   | 177177   | 25.177  | ug/l # | 92       |
| 44) Trichloroethene           | 9.151  | 130  | 52976    | 20.815  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.422  | 63   | 60764    | 23.837  | ug/l   | 98       |
| 46) Dibromomethane            | 9.516  | 93   | 40436    | 23.362  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.698  | 83   | 81440    | 24.294  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.498  | 41   | 79104    | 24.277  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.504  | 88   | 35004    | 565.899 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43   | 634657   | 142.213 | ug/l   | 89       |
| 52) Toluene                   | 10.445 | 92   | 138474   | 22.404  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.657 | 75   | 82356    | 22.316  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.128 | 75   | 90303    | 22.666  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.839 | 97   | 60088    | 23.615  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.698 | 69   | 95320    | 23.177  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 10.986 | 76   | 104302   | 23.912  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.981  | 63   | 184880   | 100.795 | ug/l   | 93       |
| 59) 2-Hexanone                | 11.028 | 43   | 477444   | 140.351 | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.180 | 129  | 59384    | 24.478  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.286 | 107  | 60447    | 23.783  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.916 | 164  | 49240    | 21.101  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.710 | 112  | 142226   | 22.006  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 54496    | 22.924  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.786 | 91   | 251375   | 21.424  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.892 | 106  | 196408   | 44.354  | ug/l   | 97       |
| 69) o-Xylene                  | 12.222 | 106  | 98735    | 21.841  | ug/l   | 94       |
| 70) Styrene                   | 12.233 | 104  | 159220   | 22.813  | ug/l   | 98       |
| 71) Bromoform                 | 12.398 | 173  | 42823    | 24.619  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.522 | 105  | 253703   | 22.269  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.327 | 43   | 131527   | 23.056  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.769 | 83   | 98104    | 25.949  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.822 | 75   | 83393m   | 24.174  | ug/l   |          |
| 77) Bromobenzene              | 12.798 | 156  | 58846    | 22.216  | ug/l   | 84       |
| 78) n-propylbenzene           | 12.857 | 91   | 285931   | 22.592  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.945 | 91   | 178660   | 22.303  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.998 | 105  | 212193   | 22.851  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75   | 27436    | 21.811  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 13.045 | 91   | 172898   | 22.295  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.263 | 119  | 184068   | 22.110  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.304 | 105  | 210472   | 22.702  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.439 | 105  | 253528   | 22.679  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.551 | 119  | 201052   | 22.264  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.551 | 146  | 105146   | 22.127  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.633 | 146  | 104251   | 21.896  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.880 | 91   | 164598   | 21.873  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.145 | 117  | 37299    | 22.163  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 13.927 | 146  | 111309   | 22.994  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.539 | 75   | 23870    | 25.977  | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 15.192 | 180  | 52609    | 20.872  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.298 | 225  | 24748    | 22.087  | ug/l   | 99       |
| 95) Naphthalene               | 15.433 | 128  | 222474   | 21.879  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 58516    | 22.506  | ug/l   | 99       |

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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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