

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062822\  
 Data File : VN073207.D  
 Acq On : 28 Jun 2022 19:25  
 Operator : JC\MD  
 Sample : VN0628WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0628WBS01

Quant Time: Jun 29 02:02:59 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

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/30/2022  
 Supervised By :Semsettin Yesilyurt 06/30/2022

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.016          | 168  | 249716     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904          | 114  | 435313     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.680         | 117  | 389270     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.610         | 152  | 181306     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369          | 65   | 178967     | 49.645  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 99.300% |        |          |
| 35) Dibromofluoromethane     | 7.951          | 113  | 142886     | 49.336  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.680% |        |          |
| 50) Toluene-d8               | 10.375         | 98   | 490724     | 47.706  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 95.420% |        |          |
| 62) 4-Bromofluorobenzene     | 12.669         | 95   | 192149     | 48.609  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.220% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 71145      | 19.487  | ug/l   | 98       |
| 3) Chloromethane             | 2.269          | 50   | 67455      | 19.031  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.405          | 62   | 57726      | 19.168  | ug/l   | 100      |
| 5) Bromomethane              | 2.804          | 94   | 27265      | 19.168  | ug/l   | 92       |
| 6) Chloroethane              | 2.975          | 64   | 34948      | 19.727  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.322          | 101  | 99405      | 19.092  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.769          | 74   | 42654      | 20.125  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 4.151          | 101  | 55189      | 17.939  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.351          | 142  | 56451      | 16.441  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.293          | 59   | 91807      | 105.130 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.122          | 96   | 55966      | 19.038  | ug/l   | 99       |
| 13) Acrolein                 | 3.987          | 56   | 58235      | 105.504 | ug/l   | 100      |
| 14) Allyl chloride           | 4.763          | 41   | 116243     | 18.771  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.475          | 53   | 234400     | 104.269 | ug/l   | 99       |
| 16) Acetone                  | 4.222          | 43   | 207365     | 102.478 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.463          | 76   | 143077     | 18.770  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.781          | 43   | 115533     | 20.374  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.534          | 73   | 213457     | 19.923  | ug/l   | 93       |
| 20) Methylene Chloride       | 5.016          | 84   | 68744      | 19.331  | ug/l # | 85       |
| 21) trans-1,2-Dichloroethene | 5.516          | 96   | 60897      | 19.826  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.410          | 45   | 233264     | 20.186  | ug/l # | 90       |
| 23) Vinyl Acetate            | 6.351          | 43   | 1065123    | 102.948 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.310          | 63   | 119530     | 19.988  | ug/l   | 98       |
| 25) 2-Butanone               | 7.263          | 43   | 334029     | 103.683 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.251          | 77   | 93682      | 16.938  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.251          | 96   | 69396      | 18.656  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.581          | 49   | 54559      | 21.784  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.616          | 42   | 228724     | 103.686 | ug/l   | 88       |
| 30) Chloroform               | 7.745          | 83   | 120437     | 19.996  | ug/l   | 98       |
| 31) Cyclohexane              | 8.022          | 56   | 107226     | 18.162  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.939          | 97   | 103929     | 19.362  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.145          | 75   | 84126      | 18.878  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.339          | 43   | 140702     | 20.896  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.134          | 117  | 83958      | 18.218  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.392          | 83   | 99284      | 17.895  | ug/l   | 93       |
| 40) Benzene                  | 8.392          | 78   | 269242     | 19.577  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062822\  
 Data File : VN073207.D  
 Acq On : 28 Jun 2022 19:25  
 Operator : JC\MD  
 Sample : VN0628WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0628WBS01

Quant Time: Jun 29 02:02:59 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

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/30/2022  
 Supervised By :Semsettin Yesilyurt 06/30/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.563  | 41   | 64906    | 19.876  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.463  | 62   | 99161    | 19.890  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.492  | 43   | 200115   | 20.679  | ug/l   | 93       |
| 44) Trichloroethene           | 9.151  | 130  | 63266    | 18.077  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.422  | 63   | 68471    | 19.533  | ug/l   | 92       |
| 46) Dibromomethane            | 9.510  | 93   | 45648    | 19.179  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.698  | 83   | 90329    | 19.595  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.498  | 41   | 85358    | 19.050  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.504  | 88   | 34734    | 408.348 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43   | 641214   | 104.486 | ug/l   | 91       |
| 52) Toluene                   | 10.439 | 92   | 160032   | 18.829  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.657 | 75   | 95674    | 18.853  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.128 | 75   | 106826   | 19.498  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.839 | 97   | 67450    | 19.277  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.698 | 69   | 113610   | 20.088  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.980 | 76   | 117308   | 19.557  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.980  | 63   | 269395   | 106.805 | ug/l   | 96       |
| 59) 2-Hexanone                | 11.022 | 43   | 487358   | 104.182 | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.175 | 129  | 68025    | 20.391  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.280 | 107  | 69774    | 19.964  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.910 | 164  | 58658    | 18.454  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.710 | 112  | 165122   | 18.756  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 63669    | 19.662  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.780 | 91   | 297195   | 18.594  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.892 | 106  | 225950   | 37.458  | ug/l   | 96       |
| 69) o-Xylene                  | 12.216 | 106  | 114807   | 18.644  | ug/l   | 97       |
| 70) Styrene                   | 12.233 | 104  | 184224   | 19.377  | ug/l   | 98       |
| 71) Bromoform                 | 12.398 | 173  | 47655    | 20.112  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.516 | 105  | 289942   | 18.519  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.327 | 43   | 155253   | 19.804  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.769 | 83   | 102284   | 19.687  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.821 | 75   | 101617m  | 21.435  | ug/l   |          |
| 77) Bromobenzene              | 12.798 | 156  | 69692    | 19.146  | ug/l   | 88       |
| 78) n-propylbenzene           | 12.857 | 91   | 319828   | 18.388  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.945 | 91   | 206682   | 18.775  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.998 | 105  | 237168   | 18.585  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75   | 31393    | 18.160  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 13.045 | 91   | 193641   | 18.170  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.257 | 119  | 209380   | 18.301  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.304 | 105  | 239338   | 18.785  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.439 | 105  | 282007   | 18.357  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.551 | 119  | 232250   | 18.715  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.551 | 146  | 118485   | 18.144  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.627 | 146  | 117203   | 17.913  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.880 | 91   | 184780   | 17.868  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.145 | 117  | 43256    | 18.703  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.921 | 146  | 126450   | 19.008  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.539 | 75   | 26002    | 20.591  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.192 | 180  | 62230    | 17.966  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.298 | 225  | 26828    | 17.423  | ug/l   | 99       |
| 95) Naphthalene               | 15.433 | 128  | 255533   | 18.287  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 63240    | 17.699  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062822\  
Data File : VN073207.D  
Acq On : 28 Jun 2022 19:25  
Operator : JC\MD  
Sample : VN0628WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0628WBS01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 06/30/2022  
Supervised By :Semsettin Yesilyurt 06/30/2022

Quant Time: Jun 29 02:02:59 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

