

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120121\  
 Data File : VN069689.D  
 Acq On : 1 Dec 2021 13:57  
 Operator : JC/MD  
 Sample : VN1201WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1201WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/02/2021  
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 02 07:25:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 1115867    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 1800876    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.744         | 117  | 1641707    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.675         | 152  | 676085     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 788866     | 48.757   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 97.520%  |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 551225     | 51.035   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 102.080% |        |          |
| 50) Toluene-d8               | 10.441         | 98   | 2068290    | 48.689   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 97.380%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.731         | 95   | 750438     | 48.088   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 96.180%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.075          | 85   | 175288     | 14.704   | ug/l   | 98       |
| 3) Chloromethane             | 2.303          | 50   | 198545     | 14.361   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.448          | 62   | 203020     | 14.666   | ug/l   | 97       |
| 5) Bromomethane              | 2.861          | 94   | 129083     | 14.358   | ug/l   | 98       |
| 6) Chloroethane              | 3.025          | 64   | 132866     | 14.219   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.379          | 101  | 307757     | 14.385   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.824          | 74   | 124473     | 17.982   | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210          | 101  | 185053     | 18.362   | ug/l   | 95       |
| 10) Methyl Iodide            | 4.422          | 142  | 198148     | 16.030   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.377          | 59   | 249527     | 85.587   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.181          | 96   | 155581     | 17.203   | ug/l   | 90       |
| 13) Acrolein                 | 4.044          | 56   | 26759      | 59.784   | ug/l   | 95       |
| 14) Allyl chloride           | 4.841          | 41   | 362517     | 18.130   | ug/l # | 93       |
| 15) Acrylonitrile            | 5.559          | 53   | 686385     | 91.934   | ug/l   | 98       |
| 16) Acetone                  | 4.288          | 43   | 837880     | 95.982   | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.532          | 76   | 259446     | 12.136   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.857          | 43   | 504715     | 17.786   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.621          | 73   | 729605     | 19.062   | ug/l   | 96       |
| 20) Methylene Chloride       | 5.095          | 84   | 212470     | 17.164   | ug/l   | 87       |
| 21) trans-1,2-Dichloroethene | 5.597          | 96   | 166648     | 16.497   | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.495          | 45   | 843585     | 19.585   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.436          | 43   | 3134215    | 94.081   | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 404892     | 18.455   | ug/l   | 99       |
| 25) 2-Butanone               | 7.337          | 43   | 1085366    | 91.821   | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 322722     | 18.801   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.324          | 96   | 225925     | 18.042   | ug/l   | 85       |
| 28) Bromochloromethane       | 7.659          | 49   | 227062     | 20.210   | ug/l # | 80       |
| 29) Tetrahydrofuran          | 7.689          | 42   | 661673     | 91.216   | ug/l   | 90       |
| 30) Chloroform               | 7.818          | 83   | 430229     | 19.129   | ug/l   | 96       |
| 31) Cyclohexane              | 8.094          | 56   | 354870     | 16.054   | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 346812     | 18.473   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.223          | 75   | 276847     | 18.270   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.413          | 43   | 405493     | 19.796   | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 276289     | 18.886   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.459          | 83   | 314512     | 16.685   | ug/l   | 91       |
| 40) Benzene                  | 8.459          | 78   | 877097     | 18.752   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120121\  
 Data File : VN069689.D  
 Acq On : 1 Dec 2021 13:57  
 Operator : JC/MD  
 Sample : VN1201WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1201WBS01

Quant Time: Dec 02 07:25:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/02/2021  
 Supervised By : Mahesh Dadoda 12/03/2021

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.638  | 41   | 209515   | 19.795  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 365954   | 19.982  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.560  | 43   | 642385   | 19.524  | ug/l # | 94       |
| 44) Trichloroethene           | 9.215  | 130  | 210931   | 18.843  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.488  | 63   | 251730   | 20.144  | ug/l   | 100      |
| 46) Dibromomethane            | 9.577  | 93   | 159188   | 19.019  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.762  | 83   | 315610   | 20.207  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.561  | 41   | 285833   | 18.465  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.572  | 88   | 96107    | 340.111 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.331 | 43   | 2117997  | 99.731  | ug/l   | 95       |
| 52) Toluene                   | 10.505 | 92   | 545556   | 18.723  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 318896   | 18.367  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.188 | 75   | 347042   | 18.287  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 237228   | 20.197  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.760 | 69   | 373427   | 18.230  | ug/l # | 87       |
| 57) 1,3-Dichloropropane       | 11.044 | 76   | 406368   | 19.688  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 437255   | 92.596  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.084 | 43   | 1494280  | 88.628  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.237 | 129  | 221449   | 18.764  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.344 | 107  | 225860   | 17.929  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.977 | 164  | 189534   | 19.120  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.771 | 112  | 595639   | 19.492  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.840 | 131  | 218005   | 20.568  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.843 | 91   | 1070553  | 18.995  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.953 | 106  | 774892   | 37.384  | ug/l   | 93       |
| 69) o-Xylene                  | 12.280 | 106  | 392179   | 18.979  | ug/l   | 93       |
| 70) Styrene                   | 12.294 | 104  | 635514   | 18.128  | ug/l   | 96       |
| 71) Bromoform                 | 12.457 | 173  | 150171   | 18.626  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.578 | 105  | 1044419  | 19.402  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.388 | 43   | 413949   | 18.145  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.825 | 83   | 366407   | 20.182  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 308806m  | 19.792  | ug/l   |          |
| 77) Bromobenzene              | 12.860 | 156  | 240664   | 19.548  | ug/l   | 80       |
| 78) n-propylbenzene           | 12.921 | 91   | 1168287  | 19.288  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.007 | 91   | 729206   | 19.443  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.058 | 105  | 843539   | 19.384  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.624 | 75   | 78490    | 19.029  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.104 | 91   | 688669   | 19.263  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.324 | 119  | 766807   | 20.108  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.367 | 105  | 813180   | 19.356  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.501 | 105  | 1022967  | 19.203  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 812032   | 19.202  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 407836   | 19.108  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.694 | 146  | 389767   | 18.614  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.940 | 91   | 625668   | 17.742  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.209 | 117  | 136706   | 18.989  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 399716   | 19.681  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.600 | 75   | 58073    | 18.383  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 164907   | 17.644  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.370 | 225  | 113506   | 21.508  | ug/l   | 99       |
| 95) Naphthalene               | 15.507 | 128  | 387543   | 16.214  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.703 | 180  | 156423   | 17.566  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120121\  
Data File : VN069689.D  
Acq On : 1 Dec 2021 13:57  
Operator : JC/MD  
Sample : VN1201WBS01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1201WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/02/2021  
Supervised By :Mahesh Dadoda 12/03/2021

Quant Time: Dec 02 07:25:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 09 18:18:22 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

