

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080921\  
 Data File : VN068037.D  
 Acq On : 9 Aug 2021 14:42  
 Operator : JC/MD  
 Sample : VN0809WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2021 7:28:13 PM

Quant Time: Aug 10 03:49:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 29 15:02:35 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 375179              | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 674754              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.749         | 117  | 630715              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 283865              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 293187              | 55.201  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 110.400% |         |       |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 226427              | 57.580  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 115.160% |         |       |          |
| 50) Toluene-d8               | 10.443         | 98   | 873860              | 48.294  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 96.580%  |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 305390              | 46.374  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 92.740%  |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 81393               | 21.172  | ug/l  | 99       |
| 3) Chloromethane             | 2.301          | 50   | 95370               | 19.971  | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.443          | 62   | 146252              | 19.629  | ug/l  | 97       |
| 5) Bromomethane              | 2.848          | 94   | 122240              | 18.409  | ug/l  | 97       |
| 6) Chloroethane              | 3.014          | 64   | 111839              | 19.359  | ug/l  | 96       |
| 7) Trichlorofluoromethane    | 3.371          | 101  | 272218              | 20.163  | ug/l  | 99       |
| 8) Diethyl Ether             | 3.821          | 74   | 56696               | 22.100  | ug/l  | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 4.199          | 101  | 85628               | 22.001  | ug/l  | 94       |
| 10) Methyl Iodide            | 4.414          | 142  | 97403               | 21.084  | ug/l  | 92       |
| 11) Tert butyl alcohol       | 5.382          | 59   | 82760               | 116.297 | ug/l  | 96       |
| 12) 1,1-Dichloroethene       | 4.170          | 96   | 76610               | 21.535  | ug/l  | 85       |
| 13) Acrolein                 | 4.041          | 56   | 66084               | 136.837 | ug/l  | 99       |
| 14) Allyl chloride           | 4.832          | 41   | 128128              | 21.207  | ug/l  | # 95     |
| 15) Acrylonitrile            | 5.557          | 53   | 234040              | 117.340 | ug/l  | 99       |
| 16) Acetone                  | 4.291          | 43   | 207261              | 106.948 | ug/l  | # 89     |
| 17) Carbon Disulfide         | 4.521          | 76   | 200859              | 19.468  | ug/l  | 99       |
| 18) Methyl Acetate           | 4.859          | 43   | 110031              | 23.561  | ug/l  | 93       |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 307954              | 23.060  | ug/l  | 100      |
| 20) Methylene Chloride       | 5.093          | 84   | 100026              | 22.195  | ug/l  | 90       |
| 21) trans-1,2-Dichloroethene | 5.597          | 96   | 88108               | 21.294  | ug/l  | 86       |
| 22) Diisopropyl ether        | 6.501          | 45   | 293819              | 21.908  | ug/l  | 95       |
| 23) Vinyl Acetate            | 6.436          | 43   | 1255500m            | 104.409 | ug/l  |          |
| 24) 1,1-Dichloroethane       | 6.385          | 63   | 165901              | 21.389  | ug/l  | 98       |
| 25) 2-Butanone               | 7.340          | 43   | 316561              | 112.593 | ug/l  | 95       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 145610              | 21.465  | ug/l  | 95       |
| 27) cis-1,2-Dichloroethene   | 7.329          | 96   | 107264              | 21.806  | ug/l  | 85       |
| 28) Bromochloromethane       | 7.659          | 49   | 81425               | 22.011  | ug/l  | # 78     |
| 29) Tetrahydrofuran          | 7.689          | 42   | 208770              | 115.957 | ug/l  | 92       |
| 30) Chloroform               | 7.817          | 83   | 190129              | 22.133  | ug/l  | 100      |
| 31) Cyclohexane              | 8.094          | 56   | 154291              | 19.693  | ug/l  | 91       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 159982              | 21.561  | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 129087              | 20.682  | ug/l  | 94       |
| 37) Ethyl Acetate            | 7.418          | 43   | 130877              | 22.281  | ug/l  | 97       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 135238              | 22.033  | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.462          | 83   | 145451              | 21.564  | ug/l  | 93       |
| 40) Benzene                  | 8.461          | 78   | 399791              | 21.637  | ug/l  | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080921\  
 Data File : VN068037.D  
 Acq On : 9 Aug 2021 14:42  
 Operator : JC/MD  
 Sample : VN0809WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2021 7:28:13 PM

Quant Time: Aug 10 03:49:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 29 15:02:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.643  | 41   | 65361    | 23.358  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 151258   | 22.163  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 226200   | 23.110  | ug/l   | 97       |
| 44) Trichloroethene           | 9.217  | 130  | 102438   | 21.918  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 103812   | 22.549  | ug/l   | 98       |
| 46) Dibromomethane            | 9.580  | 93   | 75272    | 22.614  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.762  | 83   | 145148   | 22.881  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.561  | 41   | 95164    | 20.906  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.574  | 88   | 34260    | 440.035 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 700935   | 105.890 | ug/l   | 96       |
| 52) Toluene                   | 10.507 | 92   | 264016   | 21.990  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 152604   | 20.690  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 159514   | 20.558  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 107489   | 23.092  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 154030   | 20.362  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 174839   | 23.035  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 97780    | 77.756  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.087 | 43   | 480798   | 102.834 | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.240 | 129  | 107667   | 20.600  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 107438   | 22.474  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 97890    | 21.670  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.773 | 112  | 284009   | 22.139  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 105885   | 21.563  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.848 | 91   | 503965   | 22.061  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.956 | 106  | 391383   | 41.686  | ug/l   | 86       |
| 69) o-Xylene                  | 12.283 | 106  | 186942   | 22.260  | ug/l   | 88       |
| 70) Styrene                   | 12.296 | 104  | 311687   | 20.460  | ug/l   | 93       |
| 71) Bromoform                 | 12.460 | 173  | 69533    | 19.888  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.583 | 105  | 474752   | 20.499  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.390 | 43   | 167260   | 20.778  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 151524   | 21.651  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 125204m  | 21.962  | ug/l   |          |
| 77) Bromobenzene              | 12.865 | 156  | 113758   | 21.393  | ug/l   | 75       |
| 78) n-propylbenzene           | 12.924 | 91   | 550738   | 21.072  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 336205   | 21.107  | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 403390   | 21.489  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 38959    | 21.212  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 336812   | 21.061  | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 334232   | 21.413  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 401202   | 22.059  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 459034   | 21.024  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 375333   | 21.607  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 206030   | 21.094  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 206755   | 21.436  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.946 | 91   | 316655   | 21.259  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.211 | 117  | 64782    | 21.804  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 196868   | 21.405  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 24513    | 21.938  | ug/l   | 68       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 85192    | 22.117  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 42033    | 21.994  | ug/l   | 97       |
| 95) Naphthalene               | 15.509 | 128  | 223067   | 20.793  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 78542    | 21.553  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080921\  
Data File : VN068037.D  
Acq On : 9 Aug 2021 14:42  
Operator : JC/MD  
Sample : VN0809WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD01

Manual Integrations  
APPROVED

MMDadoda  
8/10/2021 7:28:13 PM

Quant Time: Aug 10 03:49:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 29 15:02:35 2021  
Response via : Initial Calibration

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

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

