

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081021\  
 Data File : VN068055.D  
 Acq On : 10 Aug 2021 12:38  
 Operator : JC/MD  
 Sample : VN0810WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0810WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/11/2021 5:05:43 PM

Quant Time: Aug 11 06:30:47 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  | 366074              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.971          | 114  | 660669              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 636743              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 284219              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.437          | 65   | 271887              | 52.463  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 104.920% |         |        |          |
| 35) Dibromofluoromethane     | 8.021          | 113  | 209012              | 54.285  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 108.560% |         |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 824505              | 46.679  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 93.360%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 294511              | 45.751  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 91.500%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 76553               | 20.409  | ug/l   | 99       |
| 3) Chloromethane             | 2.301          | 50   | 90489               | 19.420  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.443          | 62   | 135930              | 18.698  | ug/l   | 95       |
| 5) Bromomethane              | 2.848          | 94   | 119657              | 18.468  | ug/l   | 99       |
| 6) Chloroethane              | 3.014          | 64   | 108243              | 19.203  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.368          | 101  | 257246              | 19.528  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.819          | 74   | 51888               | 20.729  | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 4.208          | 101  | 80434               | 21.180  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.417          | 142  | 93783               | 20.847  | ug/l   | 89       |
| 11) Tert butyl alcohol       | 5.388          | 59   | 75403               | 108.594 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.175          | 96   | 70349               | 20.266  | ug/l   | 87       |
| 13) Acrolein                 | 4.036          | 56   | 51118               | 108.480 | ug/l   | 99       |
| 14) Allyl chloride           | 4.838          | 41   | 122738              | 20.821  | ug/l # | 93       |
| 15) Acrylonitrile            | 5.554          | 53   | 219497              | 112.786 | ug/l   | 99       |
| 16) Acetone                  | 4.288          | 43   | 178424              | 94.358  | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.521          | 76   | 186509              | 18.527  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.859          | 43   | 106082              | 23.279  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 290195              | 22.271  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.093          | 84   | 96146               | 21.860  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.597          | 96   | 85828               | 21.259  | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.498          | 45   | 287833              | 21.995  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.434          | 43   | 1191626             | 101.802 | ug/l # | 95       |
| 24) 1,1-Dichloroethane       | 6.385          | 63   | 162132              | 21.423  | ug/l   | 99       |
| 25) 2-Butanone               | 7.340          | 43   | 286649              | 104.490 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.324          | 77   | 133644              | 20.191  | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 7.327          | 96   | 102073              | 21.267  | ug/l   | 85       |
| 28) Bromochloromethane       | 7.657          | 49   | 78775               | 21.824  | ug/l # | 81       |
| 29) Tetrahydrofuran          | 7.691          | 42   | 192427              | 109.538 | ug/l   | 92       |
| 30) Chloroform               | 7.818          | 83   | 178517              | 21.298  | ug/l   | 99       |
| 31) Cyclohexane              | 8.094          | 56   | 143951              | 18.830  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 8.013          | 97   | 152966              | 21.128  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.220          | 75   | 123177              | 20.156  | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.415          | 43   | 122201              | 21.247  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.206          | 117  | 129594              | 21.563  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.462          | 83   | 134822              | 20.414  | ug/l   | 94       |
| 40) Benzene                  | 8.461          | 78   | 381254              | 21.073  | ug/l   | 98       |

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Quant Time: Aug 11 06:30:47 2021  
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 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         | 7.638  | 41   | 61987    | 22.625  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 141010   | 21.102  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.563  | 43   | 209204   | 21.829  | ug/l # | 94       |
| 44) Trichloroethene           | 9.218  | 130  | 96992    | 21.195  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 99111    | 21.987  | ug/l   | 98       |
| 46) Dibromomethane            | 9.580  | 93   | 73750    | 22.629  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.765  | 83   | 141123   | 22.721  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.561  | 41   | 91335    | 20.538  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.572  | 88   | 34735    | 455.647 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 657113   | 101.921 | ug/l   | 95       |
| 52) Toluene                   | 10.508 | 92   | 257577   | 21.911  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 144880   | 20.148  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 154364   | 20.346  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 102695   | 22.532  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 147774   | 20.013  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 168574   | 22.683  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.041 | 63   | 108132   | 84.788  | ug/l   | 94       |
| 59) 2-Hexanone                | 11.090 | 43   | 459714   | 100.733 | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.240 | 129  | 105290   | 20.578  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 105843   | 22.613  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 88494    | 19.405  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.773 | 112  | 276305   | 21.335  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 101873   | 20.636  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.849 | 91   | 488235   | 21.170  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.956 | 106  | 377543   | 40.012  | ug/l   | 86       |
| 69) o-Xylene                  | 12.283 | 106  | 183521   | 21.645  | ug/l   | 87       |
| 70) Styrene                   | 12.296 | 104  | 303347   | 19.819  | ug/l   | 92       |
| 71) Bromoform                 | 12.460 | 173  | 68425    | 19.488  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 467700   | 20.169  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.390 | 43   | 164598   | 20.421  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 150727   | 21.510  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 123225m  | 21.588  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 110954   | 20.839  | ug/l   | 76       |
| 78) n-propylbenzene           | 12.921 | 91   | 533407   | 20.384  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 327833   | 20.556  | ug/l   | 89       |
| 80) 1,3,5-Trimethylbenzene    | 13.063 | 105  | 386713   | 20.575  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 36819    | 20.225  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 331443   | 20.699  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 326126   | 20.868  | ug/l   | 88       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 389279   | 21.377  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 447426   | 20.467  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 362489   | 20.842  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.619 | 146  | 201575   | 20.612  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 202889   | 21.009  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.946 | 91   | 296628   | 19.890  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.214 | 117  | 63060    | 21.198  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 196265   | 21.313  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.606 | 75   | 24996    | 22.343  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 78117    | 20.463  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.375 | 225  | 40893    | 21.371  | ug/l   | 98       |
| 95) Naphthalene               | 15.509 | 128  | 211837   | 19.882  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.705 | 180  | 72902    | 20.153  | ug/l   | 98       |

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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

