

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052121\  
 Data File : VN067160.D  
 Acq On : 21 May 2021 15:35  
 Operator : JC/MD  
 Sample : VSTDIC040  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC040

Manual Integrations  
 APPROVED

MMDadoda  
 5/24/2021 3:52:48 PM

Quant Time: May 21 16:27:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N052121W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 21 16:23:59 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.597  | 168   | 229625   | 50.00    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.525  | 114   | 443531   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.357 | 117   | 396720   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.299 | 152   | 153482   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 7.959  | 65    | 137257   | 50.82    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =     | 101.64%  |
| 35) Dibromofluoromethane     | 7.519  | 113   | 101511   | 35.12    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =     | 70.24%   |
| 50) Toluene-d8               | 10.037 | 98    | 398191   | 36.33    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =     | 72.66%   |
| 62) 4-Bromofluorobenzene     | 12.355 | 95    | 143236   | 38.60    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =     | 77.20%   |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.855  | 85    | 123758   | 54.58    | ug/l  | 98       |
| 3) Chloromethane             | 2.056  | 50    | 164834   | 58.26    | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.179  | 62    | 143097   | 52.52    | ug/l  | 100      |
| 5) Bromomethane              | 2.533  | 94    | 82131    | 45.40    | ug/l  | 98       |
| 6) Chloroethane              | 2.675  | 64    | 79183    | 49.54    | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 2.989  | 101   | 170099   | 49.30    | ug/l  | 98       |
| 8) Diethyl Ether             | 3.370  | 74    | 78052    | 52.77    | ug/l  | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 3.711  | 101   | 107823   | 48.93    | ug/l  | 87       |
| 10) Methyl Iodide            | 3.901  | 142   | 159312   | 45.01    | ug/l  | 93       |
| 11) Tert butyl alcohol       | 4.722  | 59    | 144344   | 302.99   | ug/l  | # 83     |
| 12) 1,1-Dichloroethene       | 3.689  | 96    | 109442   | 47.90    | ug/l  | 84       |
| 13) Acrolein                 | 3.560  | 56    | 117494   | 471.25   | ug/l  | 94       |
| 14) Allyl chloride           | 4.263  | 41    | 243506   | 64.21    | ug/l  | # 94     |
| 15) Acrylonitrile            | 4.907  | 53    | 330608   | 317.98   | ug/l  | 98       |
| 16) Acetone                  | 3.767  | 43    | 293003   | 330.04   | ug/l  | 96       |
| 17) Carbon Disulfide         | 3.998  | 76    | 343505   | 54.42    | ug/l  | 98       |
| 18) Methyl Acetate           | 4.266  | 43    | 165502   | 63.65    | ug/l  | 90       |
| 19) Methyl tert-butyl Ether  | 4.968  | 73    | 374669   | 53.46    | ug/l  | 96       |
| 20) Methylene Chloride       | 4.480  | 84    | 135874   | 46.44    | ug/l  | # 85     |
| 21) trans-1,2-Dichloroethene | 4.963  | 96    | 120724   | 49.61    | ug/l  | 87       |
| 22) Diisopropyl ether        | 5.875  | 45    | 422964   | 61.25    | ug/l  | # 95     |
| 23) Vinyl Acetate            | 5.816  | 43    | 2015276  | 328.62   | ug/l  | # 92     |
| 24) 1,1-Dichloroethane       | 5.768  | 63    | 245312   | 54.59    | ug/l  | 96       |
| 25) 2-Butanone               | 6.757  | 43    | 487632   | 347.51   | ug/l  | 89       |
| 26) 2,2-Dichloropropane      | 6.744  | 77    | 205732   | 50.61    | ug/l  | 96       |
| 27) cis-1,2-Dichloroethene   | 6.752  | 96    | 141741   | 48.81    | ug/l  | 88       |
| 28) Bromochloromethane       | 7.119  | 49    | 113019   | 58.63    | ug/l  | # 67     |
| 29) Tetrahydrofuran          | 7.136  | 42    | 306190   | 350.12   | ug/l  | # 84     |
| 30) Chloroform               | 7.299  | 83    | 237405   | 52.39    | ug/l  | 100      |
| 31) Cyclohexane              | 7.583  | 56    | 207851   | 54.25    | ug/l  | 88       |
| 32) 1,1,1-Trichloroethane    | 7.498  | 97    | 204169   | 50.34    | ug/l  | 95       |
| 36) 1,1-Dichloropropene      | 7.723  | 75    | 176861   | 42.94    | ug/l  | 95       |
| 37) Ethyl Acetate            | 6.851  | 43    | 210166   | 54.27    | ug/l  | # 92     |
| 38) Carbon Tetrachloride     | 7.704  | 117   | 170187   | 39.46    | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.024  | 83    | 196109   | 40.84    | ug/l  | 88       |
| 40) Benzene                  | 7.975  | 78    | 548963   | 43.75    | ug/l  | 100      |

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 Sample : VSTDIC040  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC040

Manual Integrations  
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MMDadoda  
 5/24/2021 3:52:48 PM

Quant Time: May 21 16:27:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N052121W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 21 16:23:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.098  | 41   | 102573   | 64.47  | ug/l # | 79       |
| 42) 1,2-Dichloroethane        | 8.058  | 62   | 187716   | 46.11  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.101  | 43   | 349257   | 54.74  | ug/l # | 86       |
| 44) Trichloroethene           | 8.777  | 130  | 124094   | 36.26  | ug/l   | 81       |
| 45) 1,2-Dichloropropane       | 9.059  | 63   | 149096   | 45.13  | ug/l   | 97       |
| 46) Dibromomethane            | 9.150  | 93   | 92074    | 42.25  | ug/l # | 81       |
| 47) Bromodichloromethane      | 9.345  | 83   | 192937   | 42.71  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.142  | 41   | 156533   | 57.49  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.144  | 88   | 40035    | 914.72 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 9.927  | 43   | 1034081  | 291.48 | ug/l   | 91       |
| 52) Toluene                   | 10.102 | 92   | 336922   | 41.97  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.330 | 75   | 212958   | 44.23  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.783  | 75   | 231797   | 43.03  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.509 | 97   | 130647   | 41.06  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.378 | 69   | 210406   | 47.71  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 10.654 | 76   | 228148   | 44.44  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.640  | 63   | 156299   | 246.11 | ug/l   | 90       |
| 59) 2-Hexanone                | 10.700 | 43   | 661723   | 291.52 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.850 | 129  | 137090   | 37.54  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.955 | 107  | 132253   | 40.79  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.579 | 164  | 105362   | 31.49  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.384 | 112  | 327881   | 37.59  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.459 | 131  | 123323   | 35.95  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.462 | 91   | 626193   | 41.68  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.574 | 106  | 457034   | 80.00  | ug/l   | 89       |
| 69) o-Xylene                  | 11.899 | 106  | 228086   | 39.57  | ug/l   | 89       |
| 70) Styrene                   | 11.917 | 104  | 359434   | 40.02  | ug/l   | 95       |
| 71) Bromoform                 | 12.081 | 173  | 88896    | 34.05  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.202 | 105  | 597776   | 45.40  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.038 | 43   | 99495    | 41.18  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.457 | 83   | 197830   | 48.28  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.508 | 75   | 174708m  | 50.99  | ug/l   |          |
| 77) Bromobenzene              | 12.478 | 156  | 126165   | 39.72  | ug/l   | 71       |
| 78) n-propylbenzene           | 12.545 | 91   | 672807   | 49.68  | ug/l   | 92       |
| 79) 2-Chlorotoluene           | 12.628 | 91   | 414547   | 46.37  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 12.687 | 105  | 486305   | 44.32  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.258 | 75   | 53339    | 54.08  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.727 | 91   | 402668   | 51.38  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 12.947 | 119  | 408779   | 39.87  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 12.993 | 105  | 453112   | 44.82  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.124 | 105  | 567974   | 45.85  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.242 | 119  | 454104   | 42.82  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.237 | 146  | 210110   | 40.79  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.317 | 146  | 210887   | 39.35  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.572 | 91   | 367011   | 44.66  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.827 | 117  | 85935    | 44.00  | ug/l   | 73       |
| 91) 1,2-Dichlorobenzene       | 13.607 | 146  | 202167   | 37.91  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.229 | 75   | 32775    | 52.64  | ug/l   | 70       |
| 93) 1,2,4-Trichlorobenzene    | 14.865 | 180  | 95898    | 36.14  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.962 | 225  | 52161    | 29.15  | ug/l   | 99       |
| 95) Naphthalene               | 15.085 | 128  | 278053   | 48.50  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.265 | 180  | 92739    | 37.65  | ug/l   | 94       |

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ALS Vial : 6 Sample Multiplier: 1

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Quant Time: May 21 16:27:51 2021  
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QLast Update : Fri May 21 16:23:59 2021  
Response via : Initial Calibration

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

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

