

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101221\  
 Data File : VN068886.D  
 Acq On : 13 Oct 2021 1:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

apatel  
 10/14/2021 1:29:51 PM

Quant Time: Oct 13 08:27:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 340148              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 587891              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 553457              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.675         | 152  | 250153              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 226380              | 50.478  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 100.960% |         |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 177966              | 52.031  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 104.060% |         |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 718068              | 52.469  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 104.940% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.734         | 95   | 271595              | 52.600  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 105.200% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 196180              | 46.408  | ug/l   | 100      |
| 3) Chloromethane             | 2.301          | 50   | 213722              | 51.406  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.443          | 62   | 237975              | 56.354  | ug/l   | 100      |
| 5) Bromomethane              | 2.840          | 94   | 138495              | 59.625  | ug/l   | 97       |
| 6) Chloroethane              | 3.011          | 64   | 140943              | 56.634  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.373          | 101  | 309074              | 52.269  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.827          | 74   | 115172              | 52.217  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.216          | 101  | 164842              | 51.845  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.425          | 142  | 236439              | 51.235  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.369          | 59   | 198458              | 242.176 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.186          | 96   | 166674              | 50.712  | ug/l   | 97       |
| 13) Acrolein                 | 4.041          | 56   | 72896               | 201.084 | ug/l   | 97       |
| 14) Allyl chloride           | 4.843          | 41   | 298587              | 50.677  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.551          | 53   | 475153              | 258.767 | ug/l   | 99       |
| 16) Acetone                  | 4.285          | 43   | 380997              | 227.649 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.535          | 76   | 458689              | 51.423  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.854          | 43   | 336762              | 53.050  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.618          | 73   | 647211              | 52.884  | ug/l   | 100      |
| 20) Methylene Chloride       | 5.098          | 84   | 195919              | 50.861  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.602          | 96   | 181642              | 51.155  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.498          | 45   | 662935              | 54.105  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.434          | 43   | 2470190             | 266.677 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.391          | 63   | 346486              | 52.047  | ug/l   | 100      |
| 25) 2-Butanone               | 7.332          | 43   | 652304              | 257.747 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.327          | 77   | 264303              | 41.660  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.329          | 96   | 219136              | 51.053  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.659          | 49   | 155995              | 51.737  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.683          | 42   | 441276              | 268.812 | ug/l   | 98       |
| 30) Chloroform               | 7.820          | 83   | 377543              | 53.813  | ug/l   | 99       |
| 31) Cyclohexane              | 8.096          | 56   | 335171              | 48.067  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.016          | 97   | 347843              | 53.185  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 272965              | 54.359  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.412          | 43   | 282646              | 54.500  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.209          | 117  | 301480              | 54.666  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.462          | 83   | 340229              | 52.641  | ug/l   | 98       |
| 40) Benzene                  | 8.461          | 78   | 825923              | 54.014  | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

apatel  
 10/14/2021 1:29:51 PM

Quant Time: Oct 13 08:27:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.635  | 41   | 140338   | 53.681  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 293868   | 54.272  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.560  | 43   | 515402   | 56.325  | ug/l   | 98       |
| 44) Trichloroethene           | 9.217  | 130  | 208527   | 54.490  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 213153   | 53.721  | ug/l   | 98       |
| 46) Dibromomethane            | 9.580  | 93   | 148756   | 54.924  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.765  | 83   | 305022   | 54.346  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.561  | 41   | 231641   | 53.876  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.569  | 88   | 80965    | 967.396 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43   | 1456485  | 274.506 | ug/l   | 100      |
| 52) Toluene                   | 10.508 | 92   | 546236   | 55.525  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.719 | 75   | 337039   | 53.013  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 345334   | 52.207  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.902 | 97   | 212929   | 54.898  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.762 | 69   | 356815   | 54.791  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 355564   | 55.595  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.044 | 63   | 485290   | 253.076 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.087 | 43   | 1052348  | 276.570 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.240 | 129  | 245418   | 56.057  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 221711   | 55.729  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.980 | 164  | 190608   | 53.462  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.771 | 112  | 568649   | 54.296  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 227867   | 55.589  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.846 | 91   | 1079126  | 55.470  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.956 | 106  | 813633   | 110.327 | ug/l   | 99       |
| 69) o-Xylene                  | 12.283 | 106  | 407628   | 55.221  | ug/l   | 99       |
| 70) Styrene                   | 12.296 | 104  | 675700   | 56.232  | ug/l   | 100      |
| 71) Bromoform                 | 12.460 | 173  | 184975   | 56.331  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 1075201  | 51.639  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.388 | 43   | 418765   | 53.086  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.827 | 83   | 316344   | 52.573  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.881 | 75   | 253122m  | 47.557  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 241836   | 52.526  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.921 | 91   | 1203315  | 51.426  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 739944   | 51.305  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 891832   | 51.423  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75   | 102592   | 46.114  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.106 | 91   | 722882   | 51.869  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.326 | 119  | 779843   | 51.655  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.369 | 105  | 871087   | 52.130  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 1084688  | 51.878  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.616 | 119  | 884193   | 52.723  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 428567   | 53.813  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 421228   | 53.291  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.943 | 91   | 722180   | 51.727  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.211 | 117  | 182555   | 51.820  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 421115   | 54.434  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603 | 75   | 60447    | 52.103  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180  | 196347   | 46.904  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.370 | 225  | 115335   | 52.357  | ug/l   | 99       |
| 95) Naphthalene               | 15.507 | 128  | 537514   | 46.583  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 189635   | 47.566  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

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

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

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