

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040122\  
 Data File : VN071746.D  
 Acq On : 01 Apr 2022 12:20  
 Operator : JC\MD  
 Sample : VN0401WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/02/2022  
 Supervised By : Mahesh Dadoda 04/02/2022

Quant Time: Apr 02 00:52:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 8.086          | 168  | 617820              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.963          | 114  | 959246              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.739         | 117  | 856925              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.674         | 152  | 319573              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.433          | 65   | 363633              | 51.556  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 103.120% |         |       |          |
| 35) Dibromofluoromethane     | 8.022          | 113  | 307597              | 54.494  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 108.980% |         |       |          |
| 50) Toluene-d8               | 10.439         | 98   | 1229551             | 53.249  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 106.500% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.727         | 95   | 380946              | 51.011  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 102.020% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.069          | 85   | 85854               | 17.479  | ug/l  | 100      |
| 3) Chloromethane             | 2.299          | 50   | 105806              | 17.000  | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.440          | 62   | 115443              | 16.890  | ug/l  | 99       |
| 5) Bromomethane              | 2.846          | 94   | 81124               | 18.258  | ug/l  | 96       |
| 6) Chloroethane              | 3.016          | 64   | 75932               | 15.443  | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 3.375          | 101  | 152048              | 17.485  | ug/l  | 97       |
| 8) Diethyl Ether             | 3.828          | 74   | 66637               | 18.132  | ug/l  | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.210          | 101  | 94082               | 17.556  | ug/l  | 98       |
| 10) Methyl Iodide            | 4.422          | 142  | 125696              | 16.780  | ug/l  | 99       |
| 11) Tert butyl alcohol       | 5.369          | 59   | 110318              | 96.381  | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 4.187          | 96   | 89172               | 17.486  | ug/l  | 93       |
| 13) Acrolein                 | 4.045          | 56   | 153296              | 109.841 | ug/l  | 100      |
| 14) Allyl chloride           | 4.845          | 41   | 145722              | 17.606  | ug/l  | 96       |
| 15) Acrylonitrile            | 5.551          | 53   | 327428              | 98.416  | ug/l  | 99       |
| 16) Acetone                  | 4.287          | 43   | 256746              | 85.177  | ug/l  | 96       |
| 17) Carbon Disulfide         | 4.534          | 76   | 189890              | 16.229  | ug/l  | 99       |
| 18) Methyl Acetate           | 4.857          | 43   | 143302              | 18.237  | ug/l  | 100      |
| 19) Methyl tert-butyl Ether  | 5.610          | 73   | 344459              | 18.182  | ug/l  | 97       |
| 20) Methylene Chloride       | 5.092          | 84   | 113142              | 17.808  | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 5.598          | 96   | 94270               | 16.840  | ug/l  | 98       |
| 22) Diisopropyl ether        | 6.498          | 45   | 329148              | 18.267  | ug/l  | 97       |
| 23) Vinyl Acetate            | 6.434          | 43   | 1384079             | 96.593  | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 6.381          | 63   | 194341              | 18.372  | ug/l  | 99       |
| 25) 2-Butanone               | 7.334          | 43   | 414680              | 95.429  | ug/l  | 98       |
| 26) 2,2-Dichloropropane      | 7.328          | 77   | 161546              | 17.777  | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 7.328          | 96   | 123236              | 17.952  | ug/l  | 99       |
| 28) Bromochloromethane       | 7.657          | 49   | 85477               | 20.032  | ug/l  | 99       |
| 29) Tetrahydrofuran          | 7.681          | 42   | 275485              | 97.908  | ug/l  | 99       |
| 30) Chloroform               | 7.816          | 83   | 203276              | 18.199  | ug/l  | 100      |
| 31) Cyclohexane              | 8.098          | 56   | 162690              | 16.961  | ug/l  | 96       |
| 32) 1,1,1-Trichloroethane    | 8.010          | 97   | 172104              | 18.011  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 137722              | 17.472  | ug/l  | 99       |
| 37) Ethyl Acetate            | 7.410          | 43   | 166417              | 19.289  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 8.204          | 117  | 139549              | 18.064  | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.457          | 83   | 165343              | 17.621  | ug/l  | 98       |
| 40) Benzene                  | 8.457          | 78   | 456324              | 18.326  | ug/l  | 98       |

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 ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Apr 02 00:52:06 2022  
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 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.639  | 41   | 80304    | 19.009  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 154278   | 17.911  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.557  | 43   | 267614   | 18.648  | ug/l   | 97       |
| 44) Trichloroethene           | 9.210  | 130  | 116500   | 18.160  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.486  | 63   | 115595   | 18.583  | ug/l   | 98       |
| 46) Dibromomethane            | 9.575  | 93   | 77296    | 18.301  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.757  | 83   | 160442   | 19.298  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.557  | 41   | 109829   | 18.447  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.563  | 88   | 53655    | 371.185 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.327 | 43   | 819092   | 99.276  | ug/l   | 98       |
| 52) Toluene                   | 10.504 | 92   | 297946   | 18.929  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.716 | 75   | 164783   | 18.911  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.186 | 75   | 183347   | 19.044  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.892 | 97   | 123059   | 18.996  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 179458   | 19.419  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 204279   | 18.860  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.039 | 63   | 187635   | 78.441  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.080 | 43   | 578629   | 99.610  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.233 | 129  | 124930   | 19.778  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.345 | 107  | 120834   | 18.949  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.974 | 164  | 97222    | 17.181  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.769 | 112  | 315075   | 18.362  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.839 | 131  | 121681   | 19.652  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.839 | 91   | 532904   | 18.346  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.951 | 106  | 410289   | 36.762  | ug/l   | 100      |
| 69) o-Xylene                  | 12.280 | 106  | 206865   | 18.674  | ug/l   | 97       |
| 70) Styrene                   | 12.292 | 104  | 319594   | 19.041  | ug/l   | 99       |
| 71) Bromoform                 | 12.457 | 173  | 92888    | 19.700  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.574 | 105  | 518418   | 19.251  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.386 | 43   | 155289   | 20.126  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 180729   | 20.114  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 140196m  | 18.937  | ug/l   |          |
| 77) Bromobenzene              | 12.857 | 156  | 125250   | 18.553  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.916 | 91   | 545199   | 19.246  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 350073   | 19.270  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 419354   | 19.654  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 47339    | 19.816  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.104 | 91   | 316135   | 18.774  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.321 | 119  | 374374   | 19.195  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 410750   | 19.730  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.498 | 105  | 491496   | 19.440  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.615 | 119  | 389946   | 19.343  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.615 | 146  | 198442   | 18.451  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.692 | 146  | 192064   | 18.305  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.939 | 91   | 265285   | 17.742  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.210 | 117  | 74509    | 20.191  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 198783   | 18.827  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 28760    | 20.636  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.262 | 180  | 83269    | 17.775  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.368 | 225  | 55056    | 17.680  | ug/l   | 98       |
| 95) Naphthalene               | 15.504 | 128  | 206745   | 16.929  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 81082    | 18.077  | ug/l   | 99       |

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

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

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